



Guideline for As-built Documentation 2026

As-built Guideline for Existing Power Systems

Instructions

- Please follow this guideline to write the As-built report.
- If scaled drawings are not available, unscaled drawings may be submitted, provided they are clearly labeled as "Not to Scale (NTS)" in CAD and / or PDF.
- All drawings (that includes map) shall include, legend, North direction, scale (or clearly marked NTS).
- All the main heading and sub-headings should be included in the As-built report.
- Any sections that are not relevant should be indicated.
- If any required data or information is unavailable, it shall be clearly stated under the relevant section as "Data not available".
- If any of the above instructions are not followed the report may be subjected for rejection.
- Documents submitted under 1, 2, 3, 4, 5, 6, 7.b and 7.c should be checked and verified by a URA Licensed Power Engineer who is issued with the relevant categories.
- DWG/DXF format of Parts 1.a, 1.b, 1.c, 3.a, 4.a, 4.b, 4.c, 4.d, 4.f & 7.b should be submitted
- XLS format of Parts 4.e & 6.a should be submitted
- Information on all documents should be legible.
- All drawing should be to scale, clear and legible and submitted in CAD and/or PDF.
- Proper referencing needs to be given where necessary.
- Additional information relevant to the Power System Design, apart from what is required in this document needs to be provided upon request by URA

1 General Information

1.1 Introduction of the Facility

Provide a brief Introduction of the facility including the geographical information (atoll, GPS location, distance from VIA airport etc).

1.2 Power Usage

- a Give a brief description of the power usage of the facility*
 - i Present daily power usage (average power consumption at present in kWh)*
 - ii Future power usage including time frame of 5 years, 10 years, 30 years etc (projected power consumption at 100% occupancy - depends on the powerhouse capacity)*

1.3 Location, Layout and Floor Plans

- a Powerhouse Layout - shall include the following details at minimum*
 - i Include island map or layout with facility marked*
 - ii Map to span up to the nearest habited buildings*
 - iii Show distances from neighboring buildings*
- b Powerhouse Floor Plan*
 - i All key structures of powerhouse*
 - ii Distance between generator sets (major dimensions)*
 - iii Distance from generator sets to nearest wall in all directions (major dimensions)*
 - iv Clearance available around major equipment (Panels, transformers, batteries, etc.)*
- c Power House Sectional View*
 - i Elevation*
 - ii End View*
 - iii Major Dimensions of the following:*
 - 1 Height of generator*
 - 2 Height of powerhouse*
 - 3 Height of chimney/exhaust*
 - 4 Height of other major equipment*
 - 5 Height of doors and relevant infrastructure*

2 Fuel System

2.1 Fuel System & Storage Details

- a Fuel System Layout Details*

- i Single line drawing of fuel system (including main tank and day tank piping)
 - ii Fuel system layout on a scale diagram
 - iii Drawings of fuel storage showing necessary protection measures such as bund wall
- b Table of fuel storage with the following
 - i Tank number
 - ii Tank type (Day/Bulk)
 - iii Tank material
 - iv Tank size
 - v Type of fuel
- c Table of Catchment details
 - i Type of catchment (concrete, metal, etc.)
 - ii Tanks contained (reference to tank number of the table in 2b)
 - iii Catchment volume
 - iv Catchment % (Catchment volume / total volume of tanks contained)

3 Generating & Transmission Equipment

3.1 Equipment Details

- a Table of numbered Diesel-powered Generating equipment with their 100% and 80% rating (in kW, kVA and A) along with the following information
 - i Engine brand
 - ii Engine model
 - iii Engine serial number
 - iv Alternator brand
 - v Alternator model
 - vi Alternator serial number
- b Datasheets of Diesel-powered Generating equipment. If Datasheet includes multiple models, the model number should be highlighted.

3.2 Generator Control Panel & Distribution Panels

- a Single Line Drawing of Main Switchboard (MSB) showing the following.
 - i Generators and downstream protection devices and controllers
 - ii Busbar configuration, dimensions, materials, and rating
 - iii Labelled Feeders and downstream protection devices
 - iv CT/VT Ratios where applicable
 - v Measuring instrumentation

3.3 Renewable Energy

- a Table of renewable energy generating equipment
 - i Number
 - ii Location
 - iii Inverter Brand
 - iv Inverter Model
 - v Output (kW)
 - vi Panel brand
 - vii Panel model
 - viii Quantity
 - ix Panel Output
 - x Total PV Output

Note: Add a row for each inverter installed

- b Datasheet(s) of generating source(s)

- c *Datasheet(s) of inverter(s)*
- d *Battery sizes and technical datasheets*
- e *BMS and EMS technical datasheet*

4 Network & Load

4.1 Distribution Network

- a *Layout of LV Distribution Network, Distribution Boxes and Service Cables on a scaled map*
- b *Layout of MV Distribution Network, Substations and Service Cables on a scaled map*
- c *Single Line Drawing of the LV Distribution Network with feeder pillars and distribution boxes, showing cable length, size, voltage drop, and percentage voltage drop.*
- d *Single Line Drawing of the MV Distribution Network with feeder pillars and substations, showing cable length, size, voltage drop, and percentage voltage drop.*

4.2 Voltage Drop

- a *Measured voltage drop from each distribution box and/or panel in the network*
 - i *Voltage between phase 1 and phase 2*
 - ii *Voltage between phase 2 and phase 3*
 - iii *Voltage between phase 3 and phase 1*
 - iv *Minimum voltage measured (from above mentioned 3 measurements)*
 - v *Voltage Drop (V) (Supply Voltage - Minimum Voltage)*
 - vi *Voltage Drop (%) (Voltage Drop / Supply Voltage)*

*Note: This includes all network distribution boxes.
Table should indicate supply voltage*

4.3 Distribution Panels

- a *Single Line Drawing of panels showing the following (For power distribution panels with MCCB $\geq$ 63A)*
 - i *Outgoing feeder ratings and protection devices*
 - ii *Busbar configuration and rating*
 - iii *CT/VT Ratios where applicable*
 - vi *Proper referencing to incoming feeder in MSB*

Note: This includes panels directly connected to MSB or sub-stations.

5 Cables

- a *Table of Cables consisting of the following information*
 - i *Fields Required*
 - 1 *From – To*
 - 2 *Size*
 - 3 *Length*
 - 4 *Conductor Material*
 - 5 *Jacket details*
 - ii *Table of cables should cover the following aspects of the power system*
 - 1 *Generator to MSB*
 - 2 *MSB/Feeders to Outgoing Panels/Distribution Boxes*
 - 3 *Subsequent Panels/Distribution Boxes*
 - 4 *Transmission cables*

Note: Cables used for building internal wiring are not required.

4.3 Load Profile

- a *Load profile should include the following:*
 - i *Peak hourly load (kW) of all outgoing feeders atleast over a continious 24-hour period*
 - ii *Date/period of load date*
 - iii *Occupancy (%)*

5 Operational cost

Provide the monthly operational cost required to maintain the powerhouse.

Note: Only required for residential utility systems.

6 Fire Fighting System & Lightning Protection

- a Certification or documentation of approval of firefighting system from the relevant government approved agency*
- b Most recent inspection report by MNDF if certificate or documentation of firefighting system approval is not available*
- c Lightning Protection coverage*
- d Lightning protection device(s) and their specification*

7 Environmental friendly design considerations

- i Short description of any environmental friendly technologies*

As-built Guideline for Existing Water Systems

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- Please follow this guideline to write the As-built report
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- All drawings (that includes map) shall include, legend, North direction, scale (or clearly marked NTS), coordinates (where applicable), pipe sizes, materials, and flow direction
- All the main heading and sub-headings should be included in the As-built report
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1 General Information

1.1 Introduction

Provide a brief Introduction including the geographical information (atoll, GPS location, distance from VIA airport etc.)

1.2 Location of Water Facility

- i Give a brief introduction of the water facility location*
- ii Water facility (RO building) location shall be marked on the approved masterplan/LUP file (can include this in Annex)*

1.3 Table of Approved Built-up Area (Commercial facilities only)

Resort built-up area approved by MoT or relevant Government agency

1.4 Table of Guest Accommodation (Commercial facilities only)

This table shall include the following details at minimum

- i Room Type (or Category)*
- ii Gross Floor Area*
- iii Maximum Occupancy*
- iv Quantity*
- v Totals*

1.5 Table of Staff Accommodation (Commercial facilities only)

This table shall include the following details at minimum

- i Room Type (or Category)*
- ii Gross Floor Area*
- iii Maximum Occupancy*
- iv Quantity*
- v Totals*

2 Details of Water Usage

2.1 Water Usage

Give a brief description of the water usage

- i - water consumption for drinking*
- water consumption for non-potable uses*
- i Present daily water usage (average water consumption at present in m3/day)*
- ii capacity)*

2.2 Water usage data

Provide the data of the daily water consumption for;

- i Rooms, separated by type (Guest + Staff)*
- ii Food and Beverage establishments*
- iii Pools, Entertainment establishments*

- iv For bottling plant
- v For laundry
- vi For any other purpose (if applicable only)

For non-commercial facilities, this has to be provided as per the consumer category

3 Water Treatment System

3.1	Feed / Sea water intake
i	Feed/sea water intake Provide a brief description of the of the sea water intake method (sea intake or borehole method), include the following information; - No of feed (sea water) intake pumps - Length and depth of feed intake pump
ii	Location of the feed / sea water intake point (sea intake or borehole) marked in the master file (can include in the Annex)
iii	Feed / sea water intake pump specs (Brand, Model, Head, Flow). Can present in a table
iv	Borehole details (if applicable only) -Scaled detailed cross sectional drawing of the borehole (if scaled diagram is not available provide a sketch) -Borehole Depth (mm) -Borehole diameter (mm) -Borehole pump specs (Brand, Model, Head, Flow). Can present in a table -Pictures of boreholes (can include as a figure)
vi	Pictures of feed intake pumps (can include as a figure)
3.2	Sedimentation / Raw water tank
	Provide a brief of the sedimentation / raw water tank. Include the following information;
i	Sedimentation tanks dimensions (LWH, Dia*H, Volume) Scaled drawings (Plan, Cross Sectional Elevation) of the Sedimentation Tanks. If scale diagram not available please provide a sketch.
ii	(can include in the Annex)
3.3	Filter feed pump
	Provide a brief description of the of the filter feed pump, include the following information; - No of filter feed pumps - Filter feed pump specs (Brand, Model, Head, Flow). Can present in a table
3.4	Details of Pre-treatment
	Provide a brief description of pretreatment methods adopted
i	Table of filters (Brand, Model, Micron size, Quantity)
ii	Table of Multimedia filters (Brand, Model, Micron size, Quantity)
3.5	Desalination Plant / SWRO plant
	Provide brief of the total Desalination / SWRO plant capacity, include the following information;
i	No. of Desalination / SWRO plants
ii	Capacity of each Desalination / SWRO plants
iii	Operation and standby Desalination / SWRO plants
iv	Provide a picture of each plant (can include as a figure)
v	Design justification (explain if the capacity of SWRO plant is enough or not)
3.6	Desalination / SWRO Plant Instrumentation Diagram
	P&ID or a process flow diagram of the plant, P&ID should have unique numbers given for easy identification of individual components (can provide this in the Annex)
3.7	Details of Vessel and Membrane
i	Table of Vessels (Brand, Model, Design Pressure, Dimensions, Quantity)
ii	Table of Membranes (Brand, Model, Permeate Flow, Dimensions, Quantity)
3.8	Details of Pumps

	<i>i</i>	<i>Table of Pumps (Brand, Model, Pressure, Quantity, Purpose: Filter Feed, Plant Feed, Transfer etc.)</i>
3.9		Details of Post Treatment
		Provide a brief description of post-treatment methods adopted
	<i>i</i>	<i>Table of Chemicals</i>
	<i>ii</i>	<i>Table of Chemical Dosing Equipment</i>
	<i>iii</i>	<i>Table of UV Treatment Equipment</i>
4		Water Storage
		Explain the total storage capacity and the number of storage tanks
	<i>i</i>	<i>Table of Storage tank (Type, Dimensions, Volume, Quantity)</i>
	<i>ii</i>	<i>Scaled drawings (Plan, Cross Sectional Elevation) of the Water storage tanks. If scale diagram not available please provide a sketch. (can provide in the Annex)</i>
	<i>iii</i>	<i>Pictures of water storage tanks (can include as a figure)</i>
	<i>iv</i>	<i>Design justification (explain if the capacity of Water storage capacity meets the 5 day requirement)</i>
5		Network
		Describe briefly the type of network, the total length of network.
5.1		Water Network Layout
	<i>i</i>	<i>Layout of the fresh water network on a scaled map (can include in the Annex)</i>
5.2		Valves
	<i>i</i>	<i>Provide valve schedule (gate valves, isolation valves, butterfly valves, ball valves etc.)</i>
5.3		Pipe details
	<i>i</i>	<i>Provide pipe details (pipe material and pipe sizes of main, lateral pipes and facility connection pipes). Can show in a table</i>
	<i>ii</i>	<i>Provide pipe schedule</i>
5.4		Network Zoning
		Explain the number of zones in the network.
	<i>i</i>	<i>Show the network zones in the network (can include in the Annex)</i>
5.5		Network flushing
	<i>i</i>	<i>Show the flushing points in the network (can include in the Annex)</i>
5.6		Water meters
	<i>i</i>	<i>Table of water meters (water meter size, location)</i>
	<i>ii</i>	<i>Provide a detail drawing of the water meter. (can include in the Annex). If not available please provide a picture of the water meter (can include as a figure)</i>
6		RO reject / Brine
6.1		Brine tank
	<i>i</i>	<i>Location of brine tank marked in the network (can include in the Annex)</i>
	<i>ii</i>	<i>Table of brine tank dimensions (LWH, Dia*H, Volume)</i>
6.2		Brine outfall
	<i>i</i>	<i>Location of brine outfall marked in the water network (can include in the Annex).</i>
	<i>ii</i>	<i>Table of brine outfall (pipe type, pipe size, length, depth)</i>
	<i>iii</i>	<i>Scale drawing of brine outfall (outfall pipe, diffuser and anchor drawings)</i>
7		Energy requirement
		Provide the monthly energy required to operate the water supply system.
8		Operational cost
		Provide the monthly operational cost required to operate the water supply system.
9		Fire safety
	<i>i</i>	<i>List of fire safety equipment</i>
	<i>ii</i>	<i>Pictures of fire safety equipment (can include as a figure)</i>
10		Environmental friendly design considerations
	<i>i</i>	<i>Details of Energy Recovery Device (ERD)</i>
	<i>ii</i>	<i>Details of any Solar integration</i>

iii Any other Environmental friendly technologies

11 Water testing

Briefly explain how water testing is conducted (frequency and lab standard)

11.1 Water test results

i Provide the water test results from a certified lab (last 3 months results). Can include in the Annex

ii Table of onsite water testing equipment (Equipment, parameter teste, picture)

Annex

- Annex 1. Water Consumption Data (PDF/Excel)
- Annex 2. Feed intake (PDF/CAD)
- Annex 3. Sedimentation / Raw water tank (PDF/CAD)
- Annex 4. Pre-treatment system (PDF/CAD)
 - Cartridge filter / Bag Filter
 - Multimedia / Sand Filter
- Annex 5. RO system (PDF/CAD)
 - RO facility layout
 - RO plant layout
 - Instrumentation (P&ID) diagrams
 - RO log daily log sheets for each plant
- Annex 6. Chemical list (PDF/Excel)
 - Pre-treatment chemical list
 - Post-treatment chemical list
- Annex 7. Water Storage Tank (PDF/CAD)
- Annex 8. Water Network
- Annex 9. Facility connection
- Annex 10. Brine tank
- Annex 11. Brine outfall
 - Brine outfall layout
 - Anchor block layout
 - Diffuser layout
- Annex 12. Energy requirement
- Annex 13. Operational cost
- Annex 14. RO plant operation and maintenance manual
- Annex 15. Maintenance log sheet
- Annex 16. Spare list
- Annex 17. Water testing equipment
- Annex 18. Water test results
- Annex 19. Catalogues
- Annex 19. Photos

As-built Guideline for Existing Sewer Systems

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1 General Information

1.1 Introduction

Provide a brief Introduction including the geographical information (Atoll, GPS location, distance from VIA airport etc.)

1.2 Location of Wastewater Facility

- i Give a brief introduction of the wastewater facility location*
- ii Wastewater facility (STP building) location shall be marked on the approved masterplan/LUP file (can include this in Annex)*

1.3 Table of Approved Built-up Area (Commercial facilities only)

Resort built-up area approved by MoT or relevant Government agency

1.4 Table of Guest Accommodation

This table shall include the following details at minimum

- i Room Type (or Category)*
- ii Gross Floor Area*
- iii Maximum Occupancy*
- iv Quantity*
- v Totals*

1.5 Table of Staff Accommodation (Commercial facilities only)

This table shall include the following details at minimum

- i Room Type (or Category)*
- ii Gross Floor Area*
- iii Maximum Occupancy*
- iv Quantity*
- v Totals*

2 Details of Wastewater Usage

2.1 Wastewater Usage

- i Give a brief description of the wastewater usage*
- i Average wastewater flow*
- ii Future wastewater flow (projected wastewater flow at 100% occupancy)*

2.2 Wastewater usage data

Provide the data of the daily wastewater usage data for (can include in the Annex);

- i Rooms, separated by type (Guest + Staff)*
- ii Food and Beverage establishments*
- iii Laundry*
- iv For other facilities in the resort*

- v *For all utility services (RO building, STP, Waste building, Power house)*

Note: For Non-commercial facilities, 2.2 is exempted.

3 Facility connection

3.1 Facility connection details

Facility connection details

- i *- Type of facility connection (junction, IC, catchpits)*
*- Dimensions of the facility connection (LWH, Dia*H, Volume)*
- ii *Drawing of the facility connection (can include in the Annex)*
- iii *A picture of the facility connection (can include as a figure)*

4 Pump Station / Lift Stations

Briefly explain about the number of pump stations and the type of pumps used

4.1 Pump Station / Lift Stations details

- i *Table of Pump station / Lift station (Pump Station no, number of pumps, pump station inlet and outlet pipe dia, dimensions of well (LWH))*
- ii *Cross sectional drawing of the pump station drawn to scale (if scaled diagram is not available provide a sketch)*
- iii *Picture of a pump station (can include as a figure)*

4.2 Sewer pumps

- i *Table of sewer pumps (Type of pump, brand, model, flow rate, head, pump rating (kW))*
- ii *Detail drawing of the sewer pump (can include in the Annex)*

4.3 Alarm system

Provide the details of alarm system established in the pump station

5 Oil and Grease trap

Briefly explain about the number grease traps and the locations

- i *Table of oil and grease trap (Dimensions, Location)*
- ii *Location of Oil and grease trap marked in the Sewer network layout (can include in the Annex)*
- iii *Cross sectional drawing of the Oil and Grease trap drawn to scale (if scaled diagram is not available provide a sketch)*

6 Sewerage Treatment Plant (STP)

Briefly explain the type and the capacity of the STP used

6.1 Influent details

- i *Table of influent quality*

6.2 STP details

- i *Explain the type of technology (Activated Sludge, Extended Aeration, MBBR, MBR, SBR)*
- ii *Capacity of STP (KLD)*
- iii *Design justification of STP capacity (based on the incoming wastewater flow)*

6.3 STP Instrumentation Diagram

- i *P&ID or a process flow diagram of the STP, P&ID should have unique numbers given for easy identification of individual components (can provide this in the Annex)*

6.4 Effluent details

- i *Table of effluent quality*

6.5 Wastewater reuse

- i *Wastewater reuse methods (irrigation, flushing, landscaping)*
- ii *Explain the type of effluent treatment used (Microfiltration, Ultrafiltration, Nanofiltration, UV, Ozone)*
- iii *Drawing of the wastewater reuse method (if scaled diagram is not available provide a sketch)*
- iv *Amount of treated wastewater reused (show in %) and disposal method of the unused treated wastewater.*

7 Sludge management

7.1 Sludge management

- i *Explain the sludge management process*
- ii *Details of the sludge treatment equipment (sludge dewatering machine, thickening machine, drying machine, etc.)*

	iii	<i>Method of sludge reuse / disposal</i>
8		Network
		<i>Describe briefly the type of network, the total length of network.</i>
8.1		Sewer Network Layout
	i	<i>Layout of the wastewater network on a scaled map (can include in the Annex)</i>
8.2		Valves
	i	<i>Valve schedule</i>
8.4		Network Zoning
	i	<i>Explain the number of zones in the network.</i>
	ii	<i>Show the network zones in the network on map (can include in the Annex)</i>
8.6		Manhole schedule
	i	<i>Construction details (precast / cast in-situ)</i>
	ii	<i>Provide manhole schedule (Manhole ID, type, size of manhole, depth)</i>
8.5		Pump schedule
	i	<i>Provide pump schedule (Pump ID, no of pumps, type of pumps, design flow, head, power requirement)</i>
9		Sewer outfall
9.1		Sewer outfall
	i	<i>Location of sewer outfall marked in the sewer network (can include in the Annex).</i>
	ii	<i>Table of sewer outfall (pipe type, pipe size, length, depth)</i>
	iii	<i>Scale drawing of sewer outfall (outfall pipe, diffuser and anchor drawings)</i>
10		Energy requirement
	i	<i>Monthly energy required to operate the sewer system. (pump station + STP)</i>
11		Operational cost
	i	<i>Provide the monthly operational cost required to operate the water supply system. (Pump stations + STP) (To be provided as an Annex)</i>
12		Fire safety
	i	<i>List of fire safety equipment in the STP building</i>
	ii	<i>Pictures of fire safety equipment (can include as a figure)</i>
13		Environmental friendly design considerations
	i	<i>Water reuse and recycling concepts</i>
	ii	<i>Compact and high efficiency STP technologies that give high effluent quality</i>
	iii	<i>Using solar energy to reduce the operational cost</i>
	iv	<i>Biogas recovery from sludge digestion for energy generation</i>
	v	<i>Converting sludge into fertilizers or soil conditioners</i>
14		Wastewater testing
		<i>Briefly explain how wastewater testing is conducted (frequency and lab standard)</i>
14.1		Wastewater test results
	i	<i>Provide the wastewater test results from a certified lab (last 3 months results). Can include in the Annex</i>
	ii	<i>Table of onsite wastewater testing equipment (Equipment, parameter teste, picture)</i>
Annex		
Annex 1.	Wastewater Usage Data (PDF/Excel)	
Annex 2.	Sewer Facility connection (PDF/CAD)	
Annex 3.	Oil and Grease Traps (PDF/CAD)	
Annex 4.	Pump Station / Lift Station (PDF/CAD)	
Annex 5.	Sewer network	
Annex 6.	STP (PDF/CAD)	

- STP facility layout
- STP layout
- Instrumentation (P&ID) diagrams
- STP daily log sheets
- Annex 7. Sludge management
- Annex 8. Wastewater reuse
- Annex 9. Sewer outfall
 - Sewer outfall layout
 - Anchor block layout
 - Diffuser layout
- Annex 12. Energy requirement
- Annex 13. Operational cost
- Annex 14. STP operation and Maintenance manual
- Annex 15. Maintenance log sheet
- Annex 16. Spare list
- Annex 17. Wastewater testing equipment
- Annex 18. Wastewater test results
- Annex 19. Catalogues
- Annex 20. Photos

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1 Basic Information

a	Island/facility description
<i>i</i>	<i>Name and Type of Facility (Resort, inhabited island, industrial facility, regional facility etc)</i>
<i>ii</i>	<i>Island name and atoll</i>
<i>iii</i>	<i>Location of the facility (GPS coordinates)</i>
<i>iv</i>	<i>General description of land use and surrounding context</i>
b	Demographic aspects
<i>i</i>	<i>For resorts: maximum occupancy, number of staff</i>
<i>ii</i>	<i>For inhabited islands: resident population</i>
<i>iii</i>	<i>For other facilities: relevant user or operational capacity figures</i>
c	Generation of Municipal Solid Waste (MSW)
<i>i</i>	<i>Estimated total waste generation (tonnes per day or kg per day)</i>
<i>ii</i>	<i>Breakdown by waste category (e.g. organic/food waste, recyclables, residual, hazardous, special waste)</i>
<i>iii</i>	<i>Basis of estimation — state whether figures are based on actual records (operational records, waste audits) or calculated from occupancy rates and standard generation factors</i>
<i>iv</i>	<i>Projected waste generation at full/design occupancy</i> <i>Note: Where actual measurement records exist and estimates are used, the methodology and assumptions should be stated.</i>

2 Existing Waste Management System

a	Waste Collection System
<i>i</i>	<i>Waste Categorization</i> <i>Note: List the waste categories recognized and collected at the facility</i>
<i>ii</i>	<i>General description of how waste is collected within the facility/Island</i> <i>Describe how waste is collected within the facility or island</i> <i>Collection method (e.g. bin system, bag system, vehicle collection)</i> <i>Types of containers used and their locations</i>
<i>iii</i>	<i>Details of frequency of waste collection from the island</i>
b	Waste Storage
<i>i</i>	<i>Capacity for dry waste storage (Volume or tonnage, days)</i>
<i>ii</i>	<i>Capacity for wet waste storage</i>
<i>iii</i>	<i>Type and construction of storage area (including flooring, drainage, and cover)</i>
<i>iv</i>	<i>Hazardous and special waste storage</i> <i>- Type of hazardous or special waste stored (e.g. batteries, chemicals, medical waste, e-waste, used oil)</i> <i>- Storage mechanism, containment provisions, and labelling</i> <i>Waste Storage location (as-built drawings showing storage locations as indicated under point 4 of this document)</i>
c	Machinery / Equipment for Mechanical Processing (

This section applies to equipment such as shredders, balers, compactors, and glass crushers.)

- i* Equipment list
 - List all mechanical processing equipment currently installed
 - Technical specifications for each item
 - Manufacturer catalogues or brochures as Annexes
- ii* Management of processed waste
 - Description of how waste processed by each machine is handled, stored, and disposed of or transferred

e Waste Transfer

- i* Type/types of waste transferred
- ii* Transfer Route (Internal transfer route from facility to designated jetty — mark on map)
- iii* Method of transport
 - Vessel type and ownership (own vessel / third party)
 - Name of third-party operator (if applicable)
 - Transfer frequency
- iv* Final disposal facility
 - Name and location of final disposal facility (e.g. Thilafushi, Vandhoo)
 - Type of arrangement (Third part contract, agreement, or other)

3 Waste Treatment/processing Facilities

(Complete this section for each treatment activity present at the facility. Applicable treatment types include, but are not limited to: incineration; composting; anaerobic digestion (biogas plant); and food waste digesters. Each treatment activity should be documented under the sub-sections below)

a Process description

- i* Description of the treatment process
- ii* Design capacity and current operating capacity
- iii* Feedstock (types and quantities of waste processed)
- iv* Diagram showing material flow through the treatment process

b Emission control systems

- i* Air emission control systems (e.g. secondary combustion chamber, scrubber, stack)

Note: Where applicable, particularly for Incineration
- ii* Wastewater or effluent

Note: Where applicable, particularly for composting, anaerobic digestion etc)

c Residue waste management

- i* Type and estimated quantity of residue produced (e.g. ash, compost rejects, slurry, bypass material, air pollution control byproducts)
- ii* How residue is stored, handled, and disposed of

d End use of the final product/s

- i* Description of the intended or actual end use of any product generated (e.g. compost, fertilizer, biogas, recovered materials)
- ii* Where an offtake arrangement, disposal contract, or buyer exists, this should be stated

e Machinery Specification

- i* Technical specifications for treatment equipment (incinerator, composter, digester, biogas plant, food waste digester, etc.)
- ii* Manufacturer catalogues or brochures as Annexes

4 Waste Management Facility

a Site / Island Location Map showing facility

b Facility Layout Plan — key structures and surroundings

- i* Proper labelling on scaled map
- ii* All key structures of the waste management facility labelled
- iii* Where available, Architectural, Structural and Building Services Drawings

Note: Where original design specifications are not available for older or informally constructed facilities, record the installed equipment as observed, and state 'Data not available' for any specification that cannot be determined.

b	Facility Floor Plan
c	Facility Sectional view
i	Elevation
ii	End view
iii	Major dimensions
d	Drainage/ Storm water management system
i	Description and drawing of the drainage and stormwater management system
ii	Drainage flow direction, discharge point, and treatment (if any) indicated on drawings
5	Auxiliary power, standby equipment, or contingency arrangements
i	Description of any auxiliary or standby power supply (generator, UPS, solar backup)
ii	Standby or redundant equipment available for critical waste management operations
iii	Contingency arrangements in place for equipment failure or disruption of waste transfer
6	Fire protection system / fire control system
7	Spill prevention and response system
8	Resort Operating Permit/License (If for a resort)