

- 8.3. Methods of Water Distribution
 - a) Distribution by Gravity
 - b) Pumping without storage
 - c) Pumping with storage
- 8.4. Source of water
- 8.5. Sea water intake options
- 8.6. Pre-treatment of raw water
- 8.7. Rainwater harvesting, collection and storage
- 8.8. Desalination plant
- 8.9. Post treatment and water storage
- 8.10. Distribution network
- 8.11. Water Sampling points
- 8.12. Water connection arrangements
- 8.13. Water meter details
- 8.14. Brine outfall and anchoring details
- 8.15. Power requirements for System Operations
- 8.16. Water quality control strategy

9. Material standards (building and construction materials)

10. Power supply

- 10.1. Existing infrastructure
- 10.2. Backup power source
- 10.3. Power supply upgrade requirements (if applicable)
- 10.4. Power requirements for the water supply system
- 10.5. Renewable energy integration (100% of energy required for RO plant operations)

11. Land approvals for Water supply system

- 11.1. Land for Approval for Desalination Plant House, Storage
- 11.2. Land approval for Rainwater harvesting roof and collection systems
- 11.3. Land approvals for Material and equipment
- 11.4. Land approvals for Staff quarter (if applicable)

12. Environment Friendly design considerations

