

**YANGON CITY DEVELOPMENT COMMITTEE
ENGINEERING DEPARTMENT (BUILDING)**

Detailed checklist of water supply and sanitation design documents (9 storey to 13 storey)

Project:		Address
Owner:		
Date:		

Particular		√	×	Comments
1	Design Report			
	1.1 Water Supply			
	1.1.1 Source of water supply			
	1.1.2 Cold & hot water demand with respect to design PE			
	1.1.3 Sizing of ground water reservoir and roof tank reservoir			
	1.1.4 Water treatment plant (where used)			
	1.1.5 Sizing of transfer pump and transfer pipe			
	1.1.6 Head loss calculation at critical location			
	1.1.7 Positioning of PRV			
	1.1.8 Sizing of booster for boosting pressure for floors with inadequate (low) pressure			
	1.1.9 Sizing of water meter			
	1.1.10 Sizing of hot water supply facilities			
	1.2 Sanitation			
	1.2.1 Sizing of soil branch, soil stack and vent			
	1.2.2 Sizing of waste branch, waste stack and vent			
	1.2.3 Sizing of drain pipe			
	1.2.4 Waste water treatment plant/ Waste water treatment system (with respect to the method used)			
	1.2.5 Disposal pump			
	1.3 Rain Water			
	1.3.1 Rainfall intensity			
	1.3.2 Sizing of gutter and gutter outlet			
	1.3.3 Sizing of rain water down take pipe			
	1.3.4 Disposal pump where required			
	1.3.5 Sizing of perimeter drain and main drain			
	1.4 Solid Waste Management			
	1.4.1 Estimation of solid waste volume/collection and disposal system			
	1.4.2 Calculation of chute/Other system used			
	1.4.3 Calculation of bin center			
	1.4.4 Calculation of compactor, if required			
2	Design Drawings			
	2.1 Drawing Sheets			
	2.1.1 Drawing List			
	2.1.2 Equipment schedule, abbreviation			
	2.1.3 Site plan, Layout plan			
	2.1.4 Schematic diagram of CW, HW and SWV system			

		2.1.5	Plan of each floor showing WC and relevant CW, HW and SWV pipe lines			
		2.1.6	Enlarged plan drawing of each WC showing CW, HW and SWV			
		2.1.7	Isometric drawings of CW, HW and SWV based on enlarged WC drawings			
		2.1.8	Flow sheet and detail drawing of WTP (Water treatment plant)			
		2.1.9	Flow sheet and detail drawing of WWTP (Waste water treatment plant/ Sewage Treatment Plant)			
		2.1.10	Typical installation drawing			
	2.2	Supplements and Notes				
		2.2.1	Well logs, if ground water is used			
		2.2.2	Both chemical & bacteriological analysis of water sample			
		2.2.3	Chart, table, monogram graph, etc., which are used during design calculation			
		2.2.4	For all calculation done in SI system, it is preferable that the final result be also given in FPS units			
		2.2.5	Use imperial gallon			
		2.2.6	Follow CQHP guidelines during preparation of report, design calculations and drawings			