

SUBMISSION DOCUMENT CHECK-LIST		WATER SUPPLY AND SANITATION		SD-W
PID		Submitted by	Received by	
Project		Name		
Developer		Designation		
Date		Contact No.		
(Note: To be completed by designer / responsible personnel.)		Signature		
Main Subject	Particular		Checked	Remark
W1 Design Report & Calculations	W1.1 Water Supply	W1.1.1 Source of Water Supply		
		W1.1.2 Cold & Hot Water Demand with Respect to Design PE		
		W1.1.3 Sizing of Ground Water Reservoir and Roof Tank Reservoir		
		W1.1.4 Water Treatment Plant (where used)		
		W1.1.4.1 Submit Result of Sample Analysis on Physical, Chemical & Bacteriological.		
		W1.1.4.2 Provide Flow Sheet of Treatment Processes to remove the Pollutant.		
		W1.1.4.3 Provide Necessary Calculation of Each Process.		
		W1.1.4.4 Provide References used in the Design.		
		W1.1.5 Sizing of Transfer Pump and Transfer Pipe		
		W1.1.6 Head Loss Calculation at Critical Location		
	W1.1.7 Positioning of PRV			
	W1.1.8 Sizing of Booster for Boosting Pressure for Floors with Inadequate (Low) Pressure			
	W1.1.9 Sizing of Water Meter			
	W1.1.10 Sizing of Hot Water Supply Facilities			
	W1.2 Sanitation	W1.2.1 Sizing of Soil Branch , Soil Stack and Vent		
		W1.2.2 Sizing of Waste Branch , Waste Stack and Vent		
		W1.2.3 Sizing of Drain Pipe		
		W1.2.4 Waste Water Treatment Plant /Waste Water Treatment System (with respect to the method used)		
		W1.2.4.1 Submit the Characteristics of the Raw Sewage.		
		W1.2.4.2 Provide Flow Sheet of the System used with Brief of Descriptions on Each Process.		
		W1.2.4.3 Provide the Necessary Calculations of Each Process.		
		W1.2.4.4 Provide References used in the Design.		
	W1.2.5 Disposal Pump			
	W1.3 Rain water	W1.3.1 Rainfall Intensity		
		W1.3.2 Sizing of Gutter and Gutter Outlet		
		W1.3.3 Sizing of Rain Water Down Take Pipe		
		W1.3.4 Disposal Pump where required		
		W1.3.5 Sizing of Perimeter Drain and Main Drain		
	W1.4 Solid waste management	W1.4.1 Estimation of Solid Waste Volume/Collection and Disposal System		
		W1.4.2 Calculation of Chute /Other System used		
		W1.4.3 Calculation of Bin Center		
		W1.4.4 Calculation of Compactor, if required		

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W2 Design Drawings	W2.1 Drawing Sheets	W2.1.1 Submitted WATSAN Drawing must be matched with Recommended Architectural Drawing.		
		W2.1.2 Drawing List		
		W2.1.3 Equipment Schedule , Abbreviation		
		W2.1.4 Site Plan, Layout Plan		
		W2.1.5 Schematic Diagram of CW, HW and SWV System		
		W2.1.6 Plan of Each Floor showing WC and Relevant CW, HW and SWV Pipe Lines		
		W2.1.7 Enlarged Plan Drawing of each WC showing CW, HW and SWV Pipe Lines		
		W2.1.8 Isometric Drawings of CW, HW and SWV based on Enlarged WC Drawings		
		W2.1.9 Flow Sheet and Detail Drawing of WTP (Water treatment plant)		
		W2.1.10 Flow Sheet and Detail Drawings of Both Structural & Sanitation of WWTP (Waste Water Treatment Plant/Sewage Treatment Plant)		
		W2.1.11 Typical Installation Drawing		
W2.2 Supplements and Notes	W2.2.1 Well Logs, if Ground Water is used			
	W2.2.2 Chart ,Table ,Monogram Graph ,etc, which are used during Design Calculation			
	W2.2.3 For All Calculation done in SI System, it is preferable that the Final Result could be also given in FPS Units.			
	W2.2.4 Use Imperial Gallon.			
	W2.2.5 Follow HPBC Guideline during Preparation of Report, Design Calculations and Drawings			
W3 Submission Set	W3.1 Signatures	W3.1.1 Designer must be signed on Every Sheet		
		W3.1.2 Local Design: Signature of Professional Engineer (Water Supply & Sanitation) / Signature of Professional Engineer (Mechanical, Building Services) (Design of Plumbing and Sanitary Piping only)		
		W3.1.3 Foreign Design: Signature of Registered Foreign Professional Engineer (Water Supply & Sanitation) / Signature of Registered Foreign Professional Engineer (Mechanical, Building Services) (Design of Plumbing and Sanitary Piping only)		
		W3.1.4 Foreign Design: National Counterpart Signature of Professional Engineer (Water Supply & Sanitation) / Signature of Professional Engineer (Mechanical, Building Services) (Design of Plumbing and Sanitary Piping only)		
	W3.2 Document Set	W3.2.1 CD for Design Drawing, Calculation and Report-2 Sets		
		W3.2.2 Design Report - 5 Sets(Manual) / 2 sets(YBPS)		
		W3.2.3 Design Calculation - 5 Sets(Manual) / 2 sets(YBPS)		
W3.2.4 Design Drawings - 5 Sets(Manual) / 2 sets(YBPS)				