

SUBMISSION DOCUMENT CHECK-LIST		WATER 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	<input type="radio"/>	
		W1.1.2 Cold & hot water demand with respect to design PE	<input type="radio"/>	
		W1.1.3 Sizing of ground water reservoir and roof tank reservoir	<input type="radio"/>	
		W1.1.4 Water treatment plant (where used)	<input type="radio"/>	
		W1.1.4.1 Submit result of sample analysis on physical, chemical & bacteriological.	<input type="radio"/>	
		W1.1.4.2 Provide flow sheet of treatment processes to remove the pollutant.	<input type="radio"/>	
		W1.1.4.3 Provide necessary calculation of each process.	<input type="radio"/>	
		W1.1.4.4 Provide references used in the design.	<input type="radio"/>	
		W1.1.5 Sizing of transfer pump and transfer pipe	<input type="radio"/>	
		W1.1.6 Head loss calculation at critical location	<input type="radio"/>	
	W1.1.7 Positioning of PRV	<input type="radio"/>		
	W1.1.8 Sizing of booster for boosting pressure for floors with inadequate (low) pressure	<input type="radio"/>		
	W1.1.9 Sizing of water meter	<input type="radio"/>		
	W1.1.10 Sizing of hot water supply facilities	<input type="radio"/>		
	W1.2 Sanitation	W1.2.1 Sizing of soil branch , soil stack and vent	<input type="radio"/>	
		W1.2.2 Sizing of waste branch , waste stack and vent	<input type="radio"/>	
		W1.2.3 Sizing of drain pipe	<input type="radio"/>	
		W1.2.4 Waste water treatment plant /Waste water treatment system (with respect to the method used)	<input type="radio"/>	
		W1.2.4.1 Submit the characteristics of the raw sewage.	<input type="radio"/>	
	W1.2.4.2 Provide flow sheet of the system used with brief of descriptions on each process.	<input type="radio"/>		
W1.2.4.3 Provide the necessary calculations of each process.	<input type="radio"/>			
W1.2.4.4 Provide references used in the design.	<input type="radio"/>			
W1.2.5 Disposal pump	<input type="radio"/>			
W1.3 Rain water	W1.3.1 Rainfall intensity	<input type="radio"/>		
	W1.3.2 Sizing of gutter and gutter outlet	<input type="radio"/>		
	W1.3.3 Sizing of rain water down take pipe	<input type="radio"/>		
	W1.3.4 Disposal pump where required	<input type="radio"/>		
	W1.3.5 Sizing of perimeter drain and main drain	<input type="radio"/>		

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W1 Design Report & Calculations	W1.4 Solid waste management	W1.4.1 Estimation of solid waste volume/ collection and disposal system	<input type="radio"/>
		W1.4.2 Calculation of chute /Other system used	<input type="radio"/>
		W1.4.3 Calculation of bin center	<input type="radio"/>
		W1.4.4 Calculation of compactor, if required	<input type="radio"/>
W2 Design Drawings	W2.1 Drawing Sheets	W2.1.1 Drawing List	<input type="radio"/>
		W2.1.2 Equipment schedule ,abbreviation	<input type="radio"/>
		W2.1.3 Site plan, Layout plan	<input type="radio"/>
		W2.1.4 Schematic diagram of CW, HW and SWV system	<input type="radio"/>
		W2.1.5 Plan of each floor showing WC and relevant CW, HW and SWV pipe lines	<input type="radio"/>
		W2.1.6 Enlarged plan drawing of each WC showing CW, HW and SWV	<input type="radio"/>
		W2.1.7 Isometric drawings of CW, HW and SWV based on enlarged WC drawings	<input type="radio"/>
		W2.1.8 Flow sheet and detail drawing of WTP (Water treatment plant)	<input type="radio"/>
		W2.1.9 Flow sheet and detail drawings of both structural & sanitation of WWTP (Waste water treatment plant / Sewage Treatment Plant)	<input type="radio"/>
		W2.1.10 Typical installation drawing	<input type="radio"/>
	W2.2 Supplements and Notes	W2.2.1 Well logs, if ground water is used	<input type="radio"/>
		W2.2.2 Chart ,table ,monogram graph ,etc, which are used during design calculation	<input type="radio"/>
		W2.2.3 For all calculation done in SI system, it is preferable that the final result be also given in FPS units.	<input type="radio"/>
		W2.2.4 Use imperial gallon.	<input type="radio"/>
W2.2.5 Follow CQHP guideline during preparation of report, design calculations and drawings		<input type="radio"/>	
W3 Submission Set	W3.1 Signatures	W3.1.1 Designer must be signed on every sheet	<input type="radio"/>
		W3.1.2 Local Design: Signature of Professional Engineer(Water & Sanitation)	<input type="radio"/>
		W3.1.3 Foreign Design: Signature of Original Water and Sanitation Engineer	<input type="radio"/>
		W3.1.4 Foreign Design: National Counterpart Signature	<input type="radio"/>
	W3.2 Document Set	W3.2.1 CD for Design Drawing , calculation and report - 2 sets	<input type="radio"/>
		W3.2.2 Design Report - 4 sets	<input type="radio"/>
		W3.2.3 Design Calculation - 4 sets	<input type="radio"/>
		W3.2.4 Design Drawings - 4 sets	<input type="radio"/>