6.3.4 Water-Conscious Building Standards



6.3.4 Water-Conscious Building standards

SKCET is committed to sustainable development and the protection of natural resources. Many water-efficient equipment and energy-efficient solutions are available in the Institution. The campus is equipped with dual flush toilets and water-efficient fixtures.

Water Savings in western Toilets:

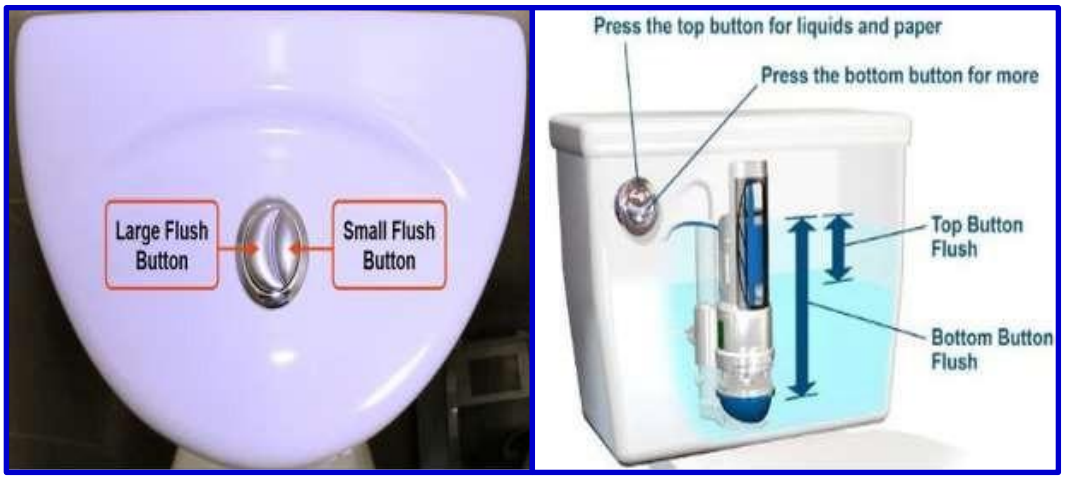
Table: List of Indian & Foreign Style Toilets

S. No.	Location	Description (Quantity)	
		Indian	Western
1.	C1 FF Gents Toilet	3	1
2.	C1 FF Ladies Toilet	7	1
3.	C1 SF Gents Toilet	3	1
4.	C1 SF Ladies Toilet	7	1
5.	C1 SF Doctor Room	-	1
6.	C2 FF Gents Toilet	2	1
7.	C2 FF Ladies Toilet	6	1
8.	C2 SF Gents Toilet	3	-
9.	C2 SF Ladies Toilet	6	1
10.	C2 SF Doctor Room	-	1
11.	C3 GF Gents Toilet	8	2
12.	C3 GF Ladies Toilet	16	2
13.	C5 GF Gents Toilet	9	1
14.	C5 GF Ladies Toilet	18	1
15.	Mechanical Laboratory Block Gents Toilet	1	1
16.	Mechanical Laboratory Block Gents Toilet	1	1
17.	ECE Block GF Gents Toilet	-	4
18.	ECE Block FF Ladies Toilet	-	8
19.	ECE Block SF Gents Toilet	-	4

20.	IT Block GF Gents Toilet	-	4
21.	IT Block FF Ladies Toilet	-	8
22.	IT Block SF Gents Toilet	-	4
23.	MCA Block GF Gents Toilet	-	4
24.	MCA Block FF Ladies Toilet	-	8
25.	MCA Block SF Gents Toilet	-	4
26.	MCA Doctor Room	-	1
27.	MBA Block GF Gents Toilet	4	1
28.	MBA Block FF Ladies Toilet	7	1
29.	MBA Block SF Gents Toilet	4	1
30.	MBA Doctor Room	-	1
31.	ADMIN Block GF Driver Toilet	1	2
32.	ADMIN Block FF Gents Toilet	-	2
33.	ADMIN Block FF Ladies Toilet	-	1
34.	ADMIN Block FF Principal Toilet	-	1
35.	ADMIN Block SF MD Room Toilet	-	6
36.	ADMIN Block COE SF Gents Toilet	-	2
37.	ADMIN Block COE SF Ladies Toilet	-	1
38.	ADMIN Block TF Gents Toilet	-	6
39.	ADMIN Block TF Ladies Toilet	-	6
40.	Convention Center Stage Room Toilet	-	2
41.	Convention Center GF Gents Toilet	-	4
42.	Convention Center GF Ladies Toilet	-	3
43.	Convention Center FF Gents Toilet	-	4
44.	Convention Center FF Ladies Toilet	-	3
45.	Gym Gents Toilet	-	3
46.	Gym Ladies Toilet	-	2
47.	Library GF Gents Toilet	3	1
48.	Library GF Ladies Toilet	1	1
49.	Library FF Gents Toilet	3	1

50.	Library FF Ladies Toilet	1	1
51.	Library SF Gents Toilet	3	1
52.	Library SF Ladies Toilet	1	1
53.	Sri Krishna Hall Gents Toilet	4	-
54.	Sri Krishna Hall Ladies Toilet	3	-
55.	Sri Krishna Hall Staff Toilet	-	1
56.	Sri Krishna Hall Stage Backside MD Room	-	1
57.	Sri Krishna Hall Doctor Room	-	3
58.	Sri Krishna Hall MD Room	-	1
Total		98	128

- In general, the flush tank capacity may be 8 to 10 Litres (depends on make and model). Water savings also leads to power saving as it saves the operating duration of the water pumps directly. Dual flush toilets with 2 knobs are installed in washrooms. The knobs are of 6 litre and 9 litre capacity and help in conserving almost 70% water when compared to a single flush system.



Water Control Taps for General Application:







Rain Water Harvesting (RWH) – from Building Roof Area & Run-off Area:

- 05 No's of RWH pits are erected and in operation to capture the building run-off in the entire Institution (Almost all high-rise building has one RWH with adequate capacity)
- The roof area is so arranged to collect the rainwater and then passed through proper piping system, and then bring back to the RWH pits which are located close to each pit
- The building run off are collected through each pit mostly located in each building. Common area and road run-off are properly collected and routed to nearby water body.



Building Roof Run off based Rain Water Harvesting System

Water level indicators are provided to turn off motor automatically when it reaches 80% of its capacity. Water Level Control Sensors are available in administrative block, which senses the water level in the tank. Once the reference level reached, the sensor will automatically switch off the motor to avoid overflow.



Automatic Water Pump Controller – Administrative Block



Sensor based Ground water sprinkler