

## **Goal IV- Strategy IV.5**

### **Promotion of water efficient techniques and technologies**

#### Efficiency labelling of water appliances and fixtures

National Water Mission, MoWR, RD & GR is collaborating with Bureau of Indian Standards (BIS), Ministry of Consumer affairs Food & Public Distribution for developing Standards in respect of Domestic appliances i.e. Washing Machine, Water purifier, Dish Washer, Tap, Bath Shower, Cistern & sanitary appliances. Various initiatives are being taken by BIS which are listed below:

- i. The list of Standards given at Annex. has been identified for improvement in water efficiency/ water rating.
- ii. Out of the above Standards, the following Standards have been modified through amendment for improving water efficiency:
  - a) Specification for flushing cistern for water closets and urinals (other than plastic cistern)
  - b) Specification for plastic flushing cistern for water closets and urinals
- iii. In the above Standards, only dual flushing has been permitted with discharge of 3 litre/ 6 litre and 5 litre/ 10 litre only, and single flushing of 10 litre/12.5 litre has been deleted.
- iv. A panel of experts has been entrusted with the work of drafting revised standard keeping in view the water efficiency /water rating requirements for the Standards and the work is under progress.
- v. Regarding Indian standard on Washing Machine and Dish Washers, a meeting of the concerned panel for revision of these Standards was held on 6<sup>th</sup> Dec. 2016. Aspects related to water efficiency will be incorporated in the revisions.
- vi. The revision of these detergent standards have been taken up for incorporating provisions for using Zeolite as builder in detergent which would result in less consumption of water/ water conservation.

## ANNEX

Sl. No.	Product	Existing Indian Standards on Sanitary Appliances and Water Fittings	
		IS No.	Title
1	Water Closets	IS 2556 (Part 2) :2004	Specification for vitreous sanitary appliances (vitreous china): Part 2 Specific requirements of wash-down water-closets
		IS 2556 (Part 8) :2004	Specification for vitreous sanitary appliances (vitreous china):Part 8 Specific requirements of pedestal close coupled wash-down and syphonic water closets
		IS 2556 (Part15) :2004	Specification for vitreous sanitary appliances (vitreous china):Part 15 Specific requirements of universal water closets
		IS 2556 (Part16) :2002	Specification for vitreous sanitary appliances (vitreous china): Part 16 Specific requirements for wash down wall mounted water closets
2	Squatting Pans	IS 2556 (Part 3) :2004	Specification for vitreous sanitary appliances (vitreous china):Part 3 Specific requirements of squatting pans
		IS 2556 (Part14) :1995	Specification for vitreous sanitary appliances (vitreous china): Part 14 Specific requirements of integrated squatting pans
		IS 11246 :1992	Specification for glass fibre reinforced polyester resins (GRP) squatting pans
3	Bidets	IS 2556 (Part 9) :2004	Specification for vitreous sanitary appliances (vitreous china):Part 9 Specific requirements of pedestal type bidets
		IS 2556 (Part17) :2001	Specification for vitreous sanitary appliances (vitreous china):Part 17 Specific requirements for wall mounted bidets
4	Flushing cisterns	IS 774 :2004	Specification for flushing cistern for water closets and urinals (other than plastic cistern)
		IS 2326 :1987	Specification for automatic flushing cisterns for urinals (other than plastic cisterns)
		IS 7231 :1994	Specification for plastic flushing cisterns for water closets and urinals
5	Flushing valves	IS 9758:1981	Specification for flush valves and fittings for water closets and urinals
6	Urinals	IS 771 (Part 1/ Sec 3) :1979	Specification for glazed fire clay sanitary appliances : Part 3 Specific requirements of urinals, Section 1 Slab urinals
		IS 771 (Part 3/Sec 2):1985	Specification for glazed fire-clay sanitary appliances: Part 3 Specific requirements of urinals: Section 2 Stall urinals
		IS 2556 (Part 6) :1995	Specification for vitreous sanitary appliances (vitreous china):Part 6 Specific requirements of urinals and partition plates
7	Taps	IS 781 :1984	Specification for cast copper alloy screw down bib taps and stop valves for water services
		IS 1711 :1984	Specification for self-closing taps for water supply purposes
		IS 1795 :1982	Specification for pillar taps for water supply purposes
		IS 9763 :2000	Specification for plastic bib taps, pillar taps, angle valves and stop valves for hot and cold water services
		IS 8931 :1993	Specification for copper alloy fancy single taps, combination tap assembly and stop valves for water services
8.	Washing Machine	14155:1994	Specification for domestic electric clothes washing machines for domestic use
9.	Dish Washer	13850:1993	Specification for dish washing machine, heavy duty, ratchet type
10	Detergent	IS 4995:2001	Specification for household laundry detergent powder
11	Detergent	IS 4956:2002	Specification for synthetic detergents for industrial purposes
12	Detergent	IS 8180:1992	Specification for household laundry detergent bars
13	Detergent	IS 9458:1994	Specification for synthetic detergents for washing woollen and other delicate fabrics