

**GOVERNMENT OF INDIA
URBAN DEVELOPMENT
LOK SABHA**

UNSTARRED QUESTION NO:5283
ANSWERED ON:05.04.2017
RO Purifier in Urban Areas
Solanki Dr. Kirit Premjibhai

Will the Minister of URBAN DEVELOPMENT be pleased to state:

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- (a) whether a number of houses have installed RO water purifier system in urban areas in the country;
- (b) if so, the percentage of water wasted in RO system while purifying the water;
- (c) the percentage of wastage of calcium and other nutrients present in water in the said process; and
- (d) the proposal to check the wastage of water and nutrients in the said process?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT
(RAO INDERJIT SINGH)

(a) Yes. Madam

(b)to (c): The actual rejection rates depends on a number of parameters including quality of water including parameters like TDS, percent recovery, feedwater temperature, pH and the physical condition of the RO membrane. However, as per literature available on RO systems, the rejected component of water may be in the range of 30% - 60%. Further, the percentage of nutrients present in such RO rejects will also depend on the quality of water supplied in the area and the efficiency of the RO system installed, which varies from place to place and one manufacturer to the other.

(d): Ministry is implementing Atal Mission for Rejuvenation and Urban Transformation(AMRUT) programme since 2015-16 onwards for a five years period. Under the programme, Ministry is targeting to provide 100% treated potable water to each household in 500 cities having population above 1 lakh.
