

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:3432
ANSWERED ON:25.04.2012
SOLAR WATER PURIFIER
Jindal Shri Naveen

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the Bhabha Atomic Research Centre (BARC) has developed a low-cost solar water purifier recently; and
- (b) if so, the details thereof alongwith the Government's reaction thereto?

Answer

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY) :

(a) Yes, Sir. Bhabha Atomic Research Centre (BARC) has developed a low-cost solar water purifier.

(b) BARC has developed solar energy driven portable domestic Brackish Water Reverse Osmosis (BWRO) technology for water purification. The technology is based on solar photovoltaic. It has capacity of 10 litres per hour which can desalinate contaminated water of salinity 1000 – 3000 ppm to provide drinking water of 50 – 300 ppm. The product water is devoid of toxic elements, pathogens and turbidity. The technology is available for know-how transfer to interested parties on non-exclusive basis.