

Construction of toilets in schools

†2303. SHRI LAL SINH VADODIA: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) whether it is a fact that Government is considering to construct toilets in all the schools across the country under the Swachh Bharat-Swachh Vidyalaya campaign;

(b) if so, whether Government is still considering to take any steps in this regard; and

(c) if so, the details thereof and by when and if not, the reasons therefor?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRIMATI SMRITI ZUBIN IRANI): (a) to (c) In pursuance of the announcement made by the Prime Minister on the Independence Day in 2014 to provide toilet facilities separately for girls and boys in schools, the Swachh Vidyalaya initiative has been launched by the Ministry in collaboration with Public Sector Undertakings and Private Corporates. States have been requested to ensure provision of separate toilets for boys and girls in all Government schools within a year.

The Ministry has taken various steps to facilitate the construction of toilets within the timeframe. Funds were made available to States/UTs under Sarva Shiksha Abhiyan and Rashtriya Madhyamik Shiksha Abhiyan for taking up the programme. The progress is monitored on a continuous basis at the national level. Meetings and video conferences have been held with State Chief Secretaries, Education Secretaries, State Project Directors of Sarva Shiksha Abhiyan and also with Central Ministries and Central PSUs.

Waste-to-energy plants

2304. SHRI BAISHNAB PARIDA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is proposed to set up waste-to-energy plants in the country and if so, the details thereof;

(b) whether the above project would add to air pollution and would be a costly affair;

(c) whether Government has studied its pros and cons; and

(d) if so, the details thereof along with its action plan in the matter?

†Original notice of the question was received in Hindi.

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL): (a) Yes, Sir. Ministry of New and Renewable Energy is implementing a Programme for setting up of 5 pilot projects on Energy Recovery from Municipal Solid Waste. Central Financial Assistance of ₹ 2.0 crore per Mega Watt with an upper limit of ₹ 10.0 crore per project can be provided for projects on power generation from municipal solid waste.

Ministry of Urban Development also provide Central Financial Assistance upto 20% of the project cost in the form of Viability Gap Funding (VGF)/Grant for projects on solid waste management, including waste to energy, under the Swachh Bharat Mission (SBM) and Smart City Mission.

(b) to (d) Waste to energy plants do not add to air pollution and emissions remain within limits prescribed by Central Pollution Control Board. The details of Environmental Footprints from different waste to energy technologies, as per report published by Niti Aayog in May 2014, are given in the Statement (*See* below). The cost for generating electricity from waste is competitive compared with the cost of power generation from conventional sources.

Statement

Environmental Footprint of Waste to Energy Technologies

Sl. No.	Associated Factors	Compostine	Biomethanation	Incineration and RDF Burning	Gasification	Engineered Landfills#
1	2	3	4	5	6	8
1. Air Pollution						
(a)	Extent	Low	Low	High	Medium	Medium
(b)	Requirement of Air Pollution Control	—	—	Yes	Yes	—
(c)	Dioxins or Furanes Formation	—	—	Possibility exists but minimized due to removal of chlorinated plastics from waste by rag pickers		—

1	2	3	4	5	6	8
(d)	Release of Green House Gases	Uncontrolled	Controlled and Utilized	Controlled and utilized	Controlled and utilized	Most uncontrolled. Only in very few cases as controlled and utilized if mechanism for gas recovery exists.
2. Water Pollution						
(a)	Exists	Yes	Yes	Yes (Due to water use in scrubbing & Quenching)	Yes (Due to water use in scrubbing & Quenching)	Yes
(b)	Requirement of Waste water treatment	Yes for leachate	Yes; for prees water	Yes	Yes	Yes for leachate
(c)	Quality of Treated water	May be discharged into water bodies.	May be used in process or discharged into water bodies.	May be used in process.	May be used in process.	May be discharged into water bodies.
(d)	Degree of Pollution	Medium-High	Medium	Medium	Medium	Medium-High
3.	Solid waste gen. due to rejects/sludge formation in the process	high	low	low	low	Nil
4.	Volume reduction of waste	15-30%	45-50%	75-90%	90%	70-80% if waste contains biodegradables#

Biodegradables are not allowed to be land-filled in India as per MSW-2000 rules.