

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO.1965
TO BE ANSWERED ON 29.11.2019

Clean Technology Projects

1965. SHRI JAYANT SINHA:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the number and list of completed projects pertaining to the development and promotion of clean technology, State/ UT-wise;
- (b) the details of such clean technology projects completed in the State of Jharkhand;
- (c) whether there has been any study on waste minimisation in heavy industries in Jharkhand; and
- (d) if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI BABUL SUPRIYO)

- (a) The Clean Technology Scheme i.e. “Development and Promotion of Clean Technologies and Waste Minimization Strategies” provided financial assistance for projects proposed by Autonomous institutions, statutory bodies under the Central and State Governments, Registered Companies etc in the field of Research & Development. The scheme did not provide for any specific State / UT allocations and has since been discontinued with effect from financial year 2016-17. A list of 38 completed projects under the scheme is at Annexure;
- (b) No Clean Technology project was sanctioned for the State of Jharkhand under this scheme;
- (c) & (d) No study has been initiated on waste minimization in heavy industries in Jharkhand State, under this scheme.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (A) OF LOK SABHA UNSTARRED QUESTION NUMBER 1965 DUE FOR REPLY ON 29/11/2019 REGARDING CLEAN TECHNOLOGIES PROJECTS RAISED BY SHRI JAYANT SINHA, HON'BLE MEMBER OF PARLIAMENT, LOK SABHA

Sl. No.	Project details
1.	Synthesis of Polymer Hydro gel and Development of Hybrid Waste Water Treatment System using Cavitations Technique and Hydro gel by National Institute of Technology Warangal, Telangana.
2.	Development and demonstration of photo Catalytic Oxidation Technology for Volatile Organic Compounds (VoCs) Control by Indian Institute of Technology, Kanpur, Uttar Pradesh.
3.	Modification & Designing of Fly ash composites in Building Materials for energy Conservation & shielding Application by National Physical Laboratory, New Delhi and Amity University, Noida, Uttar Pradesh.
4.	Biosorption by Fungi – A simple Microbiological Technique to remove heavy metals from e-wastes by Bangalore University, Karnataka.
5.	Performance Evaluation of Pilot Plant based on Sequencing Batch Rector for the Bio-degradation of Absorbable Organic Halides (AOX) from Pulp and Paper Mill Wastewater by Aligarh Muslim University, Aligarh, Uttar Pradesh.
6.	Waste minimization in Moradabad Uttar Pradesh brassware industry cluster implemented by The Energy Research Institute (TERI), New Delhi.
7.	Eco Friendly Road Technology-RBI Grade 81 Natural Soil Stabilizer and Pavement Material by Alchemist Touchnology, New Delhi.
8.	Establishment of Waste Minimisation Circle phase-I and phase-II by National Productivity Council, New Delhi.
9.	Waste Minimization in small scale industries under National Productivity Council (Phase-III), New Delhi.
10.	Waste minimization studies in Electroplating Operation in Imitation jewelry Units at Machlipatnam, Krishna District, Andhra Pradesh by M/s Andhra Pradesh Industrial and Technical Consultancy Organisation Limited, Hyderabad.
11.	Life Cycle Assessment studies of construction Industry by National Council for Cement and Building Materials, Haryana.
12.	Oxidative De-sulphurization of Carbon Black Feed Stock by M/s Carbon Continental Private Limited, Ghaziabad, Uttar Pradesh.
13.	Waste Minimization through co-composting of on and off farm wastes for sustainable crop productivity and soil Health by Annamalai University, Tamil Nadu

14.	Minimization of Environmental Impacts of Slaughter House Wastes by Value Addition as Pet Foods by Aligarh Muslim University, Aligarh, Uttar Pradesh.
15.	Waste Minimization through enhancing the recovery rate of pulse milling (red gram) and standardizing agronomic practice as well as milling unit operation for both dry and wet milling by Kubhaskar Ashram P.G. College, Allahabad, Uttar Pradesh and M/s Nari Kalyan Sewa Sansthan, Allahabad, Uttar Pradesh.
16.	Derivation of engine fuel from waste plastics and its performance evaluation by Annamalai University, Tamil Nadu.
17.	Pilot demonstration of Clean Technology for landfill gas (LFG) recovery at Okhla site, by The Energy Research Institute (TERI), New Delhi.
18.	Effective removal of arsenic from ground water covering Mashlandpur – Ghoshpur Blocks of 24 – Parganas (N) (II- Phase)by ion-specific adsorbents carrying sorbed ferric hydroxide” by Central Salt and Marine Chemicals Research Institute, Gujarat.
19.	Waste Minimization Studies in Small Scale Industries-Electroplating Sector-in Balanagar Industrial Area by Environment Protection Training Research Institute, Hyderabad.
20.	“Promotion of Cleaner & environment friendly technology in highly polluting small scale Glass Industry in Firozabad, Uttar Pradesh” by M/s Winrock International India, Gurgaon, Haryana
21.	Waste Minimization in Basic Chrome Manufacturing Unit by M/S Ramky Enviro Engineers Limited, New Delhi.
22.	Waste Minimisation study bulk drugs units in and around, Hyderabad by Andhra Pradesh Industrial and Technical Consultancy Organisation Limited, Hyderabad.
23.	Waste Minimization and Demonstration Studies in Textile Dyeing Industries in Kolkata by M/s Environ Control & Development Consultants, Kolkata.
24.	Recycling of Marble Slurry Waste for Environmental Improvement in Udaipur by M/s Indian Environmental Society, (IES) Delhi.
25.	Development of Fly Ash Based Geopolymer Concrete Precast Elements to Annamalai University, Annamalai Nagar, Tamil Nadu.
26.	Bio-Adhesive for wood panel industry by Indian Plywood Industries Research & Training Institute, Bangalore, Karnataka.
27.	Design and Development of Computer Numerical Controlled Eco-Friendly Welding Machine by Annamalai University, Annamalai Nagar, Tamil Nadu.
28.	Up-gradation of Bamboo Mat Corrugated Sheet Technology by Indian Plywood Industries Research & Training Institute, Bangalore and M/s Timpack Private Ltd., Byrnihat, Meghalaya.

29.	Development of Air Pollution Control Package for Small Scale Lime Kilns by National Environment Engineering Research Institute (NEERI), Nagpur.
30.	Development & Demonstration of Environmentally Sound Technology for Regenerating/Recovery/Recycling of Paint Sludge by National Productivity Council, New Delhi & Maharani Paints Limited, Faridabad, Haryana.
31.	Identification, Development and Utilisation of Natural Dyes from the Forests Plants of Uttaranchal by Forest Research Institute, Dehradun, Uttarakhand.
32.	Utilization of Anode mud and Chips-the solid waste generated in the Zinc Industry, for making value added products, Regional Research Laboratory, Bhopal, Madhya Pradesh.
33.	Defluoridation of Natural Waters using Eco-Friendly Materials for sustainable Development by Jawaharlal Nehru University (JNU), New Delhi.
34.	Implementation of improved up-flow anaerobic sludge blanket (UASB) system, sulphur and energy recovery from tannery wastewater in a cluster at Dindigul by Central Leather Research Institute, Chennai, Tamil Nadu.
35.	Environmental Pollution Control in Agro-based Paper Industry by Implementation of Lignin Precipitation System (LPS) Technology by M/s ABC Paper Limited (now known as Kuantumpapers Limited), Hoshiyarpur Punjab.
36.	Enhancing the Environmental Performance and Competitiveness of Vegetable Oil Industry in Andhra Pradesh –Waste Minimisation (WM) Assessment, Demonstration of Waste Measurement Measures and Training by WINROCK, Andhra Pradesh.
37.	Bioremediation of Railadevi Lake in Thane District of Maharashtra by Thane Municipal Corporation and Maharashtra Pollution Control Board.
38.	Waste Minimization Studies in Small Scale Industries – Textile Sector in Nandigaon Village Kothur Mahboobnagar District, Andhra Pradesh by Environment Protection Training Research Institute (EPTRI), Hyderabad,
