

**GOVERNMENT OF INDIA  
ENVIRONMENT AND FORESTS  
LOK SABHA**

UNSTARRED QUESTION NO:4590  
ANSWERED ON:22.05.2006  
RESEARCH PAPER ON FLY ASH  
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**Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:**

- (a) the number of research papers on Fly Ash generated from coal financed by the Ministry as on January 28, 2006;
- (b) the people by whom and under whose guidance these researches have been done during the last five years along with the expenditure incurred in respect of each research;
- (c) the innovative and effective ways found from the researches for getting rid of the problem of fly ash;
- (d) the time since when these innovative ways are being used by various plants; and
- (e) the details of achievements in this regard?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI NAMO NARAIN MEENA)

(a) and (b) The Ministry of Environment and Forests has provided financial assistance to the following research projects on fly ash.

S.No.	Name of the Person by The Ministry (Rs.Lakhs)	Title of the Project	Funds Released
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1	Dr.V.K.Agarwal, I.I.T, Delhi	Development of a fluidised motion conveying system for pollution free handling of fly ash	13.89
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2	Dr. L.C.Ram, CFRI, Dhanbad	Bioreclamation of low lying areas filled with fly ash	8.90
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(c) It has been established over a period of time that fly ash can be used as building material, in road construction, in the manufacture of cement, backfilling of mines, etc.

(d) While it has been established in the eighties that fly ash can be utilised as building and road construction material, its large scale uses started only in 1990s with the establishment of Fly Ash Mission in 1994.

(e) While only 13 million tonne of fly ash was utilised in 1999-2000, about 46 million tonne was utilised in 2005-06.