

**GOVERNMENT OF INDIA  
COAL  
LOK SABHA**

UNSTARRED QUESTION NO:1668  
ANSWERED ON:04.08.2010  
RESEARCH AT NLC  
Bheiravdanji Shri Gadhi Mukeshkumar

**Will the Minister of COAL be pleased to state:**

- (a) whether Centre for Applied Research and Development (CARD) of Neyveli Lignite Corporation Ltd. has been conducting research activities;
- (b) if so, the achievements made by this Centre during each of the last three years; and
- (c) the amount allocated and utilized by this Centre during the above period?

**Answer**

MINISTER OF STATE (IC) IN THE MINISTRY OF COAL AND MINISTER OF STATE (IC) IN THE MINISTRY OF STATISTICS AND PROGRAMME IMPLEMENTATION (SHRI SRIPRAKASH JAISWAL)

(a) & (b): Yes, Sir. The research studies carried out during last three years are given below.

2007-08

1. Development of a process for the production of activated carbon from lignite.
2. Transforming mined out land into productive agricultural lands through eco-friendly Integrated Farming System (IFS)
3. Pilot studies on the stabilization, re-vegetation and restoration of ecology in mine slopes
4. Studies on the use of Bottom Slag in crop production.

2008-09

1. Commercialization of patented process for the production of potassium humate.
2. Studies on synthesis of Zeolites from lignite fly- ash and its efficiency in cooling water treatment.

2009-10

1. Survey and Ecological conservation of environment through bioremediation.
2. Corrosion studies in SME structures of Mine-II.
3. Corrosion studies in SWC pumps of mines.

(c): The amount allocated and spent under Plan scheme for Science and Technology during the last three years is :

Year	Amount allotted (Rs. in lakhs)	Amount spent (Rs. in lakhs)
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2007-08	134	35
2008-09	225	71
2009-10	72	42