

**GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF HIGHER EDUCATION**

LOK SABHA

**UNSTARRED QUESTION NO.3610
TO BE ANSWERED ON 20.12.2021**

Research on Cheap Water-Proofing Material in IIT-Hyderabad

**3610. SHRI PASUNOORI DAYAKAR:
DR. G.RANJITH REDDY:
SHRIMATI KAVITHA MALOTHU:
SHRI VENKATESH NETHA BORLAKUNTA:**

Will the Minister of **EDUCATION** be pleased to state?

- (a) whether it is true that IIT-Hyderabad has developed cheap waterproofing material from fly ash;
- (b) if so, the details of the research and the extent to which this helps in cheaper waterproofing solutions; and
- (c) the steps taken for commercially exploiting this research?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF EDUCATION
(SMT. ANNPURNA DEVI)**

- (a): Yes, Sir. IIT- Hyderabad has developed a method to create super hydrophobic (waterproof) fly-ash based powders using a cheap and scalable approach.
- (b): IIT Hyderabad has successfully prepared super hydrophobic fly-ash powders using fly-ash from various sources using stearic acid as a surface modifying agent.
- (c): A number of small scale industries as well as multi-national companies have shown interest in this regard.
