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.

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