

Lok Sabha Unstarred Question No. 572 for answer on 22.07.2021

With reference to the DHE, MoE email dated. 16-07-2021 regarding the subject cited above, it is to inform that the point wise reply of IIT Hyderabad to the admitted Lok Sabha Unstarred Question No. 572 for answer on 22.07.2021 regarding "Use of Alternative for Construction Works" is provided as detailed below:

(a) the steps taken by the Government to ensure that the construction industry articulates guidelines to inspire use of alternative sand in projects and create a market mandate;

Reply: Specific answer to this query is not available with IIT Hyderabad. The adoption of the new IS 383 allowing different forms of aggregate including manufactured sand, copper slag and other synthetic aggregate opens the way allowing the use of these materials in construction.

(b) whether the Government is aware that an association of builders in consultation with experts and scientists can start work to promote the usage of alternative sand and contractors and builders can endorse the sands in their client buildings;

Reply: Specific answer to this query is not available with IIT Hyderabad.

(c) if so, the efforts made by the Government in this direction;

Reply: For the campus development project of IIT Hyderabad, only manufactured sand (Crushed Stone Sand) was used in the construction of Phase 1 buildings. The same is being used for the ongoing construction of Phase 2 buildings also.

(d) whether the Government is aware that research and academic institutions can play a vital role in the development of evaluation methods and specifications for use of alternative sands in construction; and

Reply: Specific answer to this query is not available with IIT Hyderabad.

(e) if so, the details thereof along with the steps taken/being taken by the Government in this regard?

Reply: Specific answer to this query is not available with IIT Hyderabad. However, it may be mentioned that the Bureau of Indian Standards (BIS) had revised the Code for the coarse and fine aggregates in the year 2016 and included "Manufactured Fine Aggregate" in the revised edition. [IS 383-2016: Coarse and Fine Aggregates for Concrete- Specification].
