



BY SPEED POST/FAX/MAIL

भाकृअनुप-भारतीय मृदा विज्ञान संस्थान

नबीबाग बैरसिया रोड, भोपाल- 462038 (म.प्र.)

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Application No. 252-02/IISS/RTI/2022

Dated 02/03/2022

To,

Mr. Aditya Singh
B-203 EWS, Badra Awas Yojana
Allahabad -211004

Sub.: Reply to information under RTI Act, 2005- reg.

Dear Sir,

Please find enclosed herewith the information (one page) in response to your RTI application No. 252-2/IISS/RTI/2022 received at this end on 04/02/2022 received by online. Kindly acknowledge the receipt of this reply letter along with enclosure (one page). Further it is informed that the Appellate Authority is Director, ICAR-IISS, Bhopal and his telephone no. is 0755-2730946.

Yours sincerely

(R. Elanchezian)

PS & Nodal Officer RTI cum-CPIO (Scientific)

Encl: Information containing one page

Reply to RTI application no. 252-02/IISS/RTI/2022. Dated 09/02/2022

Q.1. Provide detailed information on soil mining effects on soil fertility and cultivation.

Reply: In India soil mining is mainly being carried out for brick manufacturing activities by brick-kiln industries. Top soil layer (upto several metres of depth) is removed for this activity. Surface layer of soil is generally rich in organic matter and essential plant nutrients. When soil mining is carried out from cultivated land, it leads to depletion in soil fertility because of removal of these beneficial components. As a result of such soil mining, crop productivity of cultivated land decreases and fertilizer and manure requirement by the crops increases.

Q.2. Which types of effects were created on agricultural land and environment by soil mining? Provide researched data.

Reply:

Brick-kiln activity decreased soil fertility in Bhopal and adjoining districts : There are about 1.4 lakh brick making industry in India and most of these use soil as basic ingredient. Huge quantity of top layer soils is removed by the brick-kiln units causing a significant impact on environment, including soil productivity. A study to investigate the impact of brick kiln activities on soil quality indicated that there has been considerable decrease in the contents of organic matter (by 40%), available N (by 14%), P (by 70%), K (by 26%) and Zn (by 39%) contents in the surface soil in due to removal top soil causing significant reduction in soil productivity.

(Source: IISS Newsletter July-December 2021)

Q.3. Provide information or research data on what types of steps to be required to take to stop.

Reply: Not available

To
Dr. R. Blanchard
Nodal Officer, CPI (RTI)


Dr. J. K. Saha
Principal Scientist & Head
Division of Environmental Soil Science
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