

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2124**  
TO BE ANSWERED ON 21.12.2023

**Transitioning of brick kilns into zig-zag technology**

2124. DR. FAUZIA KHAN:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether Government has data on the traditional brick kilns which have transitioned to zig-zag technology;
- (b) if so, the details for the State of Maharashtra, district-wise, if not, the reasons therefor;
- (c) whether Government has conducted an assessment of the environmental impact of the transition from traditional brick kilns to zig-zag technology, if so, the details thereof, if not, the reasons therefor;
- (d) whether Government has any plans to regulate or phase out traditional brick kilns that do not adopt environment-friendly technologies in the near future; and
- (e) if so, the details thereof, if not, the reasons therefor?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(SHRI ASHWINI KUMAR CHOUBEY)

**(a) & (b):**

As per the information provided to Central Pollution Control Board (CPCB) by 21 States and 05 Union Territories (UTs), there are total 12,551 brick kilns in the country. Out of these, 6,443 brick kilns have been converted into zig-zag technology. As per information received from Maharashtra State Pollution Control Board (MPCB), total 39 nos. of brick kilns are on zig-zag technology. The list of 39 zig-zag brick kilns is attached as **Annexure-I**.

**(c):**

As per the information received from MPCB, a pilot study was conducted by The Energy and Resources Institute (TERI) for assessment of Ambient Air Quality in the vicinity of brick kilns in Thane and Palghar district. As per the Centre for Science and Environment (CSE) report, zig-zag technology reduces emissions approximately by 60-70% and fuel consumption approximately by 20% in comparison to traditional kilns.

**(d) & (e):**

The Ministry of Environment, Forest and Climate Change (MoEF&CC) has revised the Environmental Standards for Brick Kilns vide dated 22.02.2022 and 15.12.2023. Further, the Commission of Air Quality Management (CAQM) has issued direction for the industrial activities in NCR region vide its letter dated 02.06.2022 specifying use of biomass or PNG as fuel latest by 30.09.2022 (for industries in NCR areas where PNG infrastructure/supplies are available) and by 31.12.2022 (for industries in NCR areas where PNG infrastructure/supplies are not available), failing which such industries shall be closed down and not permitted to schedule their operations.

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Sr. No.	Name and Address of the Brick Kilns
1	Kapade Bricks Industries, Gat No.327, Vill. Datala, Ta. Malkapur, Dist: Buldana.
2	Maa Gayatri Brick Industry. Village Manatri, Ta. Telhara, Dist. Akola.
3	Shri Samarth Bricks Industries, Gat No 283,Hata, Tq. Balapur, Dist Akola.
4	Shri Goroba Kaka Bricks, Gat No 251,Hata Part-1, Tq. Balapur, Dist Akola.
5	OM VISHNU BRICKS INDUSTRIES LLP, Gat No. 170,171,Dapura Ta. Telhara, Dist :Akola.
6	Shree Bricks Industries, Gat No. 413,Karanja (Ram) Tq. Balapur, Dist Akola.
7	Shri Swami Bricks Industries, GAT NO 170, AT. ADSUL, TQ TELHARA
8	Sant Goroba Kaka Veet Utpadan, Gut No. 324, Narkhed, Ta. Nandura.
9	Kapade Bricks Industries, Gat No. 283, Hata, Tq. Balapur, Dist Akola.
10	Shri Swami Bricks Industries, Gat No.394, Karanja (Ram), Tq. Balapur, Dist Akola.
11	Green Tech Bricks, G.No.8/2, Mouje Narayanpur, Tq.& Dist. Amravati
12	Kishor Arun Thakare, Pimpalkhuta, Ta. Daryapur, Dist. Amravati.
13	M/s. K. D. Bricks, S. No.89/3, Amani Road, Tal. Arni, Dist. Yavatmal.
14	M/s. Maa Bricks, S. No. 113/1, Mozar (Ijara), Tal. Darwaha, Dist. Yavatmal.
15	M/s. U. M. Bricks, S. No. 398, At. Po. Wanjari, Tal. Wani, Dist. Yavatmal.

16	M/s. Princess Bricks Pvt. Ltd., Sy.No. 15/1, 15/2, At. Po. Amani, Tal. Arni, Dist. Yavatmal.
17	M/s. Rajesh Bricks, S. No. 157, Village Saikhed, Tal. Darwaha, Dist. Yavatmal.
18	S Bricks, Survey No. 42, Mouza Ghot Nimbala, Tal. Bhadravati, Dist. Chandrapur  Contact details Shahid Ali-9850368818 Email:-sayyadakibhussain26@gmail.com
19	India Veet Udhog, Gat No. 644/1, Gat NO. Vvairag Road Osmanabad, Tal & Dist. Osmanabad
20	Qureshi Veet Udyog, Gut No. 397, Opps MSED Solapur Road, near wadgaon, Tal. & Dist. Osmanabad
21	SHREE SHYAM BRICKS, S.No.46.47, Vill Patgowari, Tq Ramtek, Dist Nagpur
22	YASH ENTERPRISES, KH. NO. 27,28 , CHOUGAON, TAHSIL-RAMTEK
23	Yash Bricks, Kh No 133, 135, 136/1, 136/2, Mouza Dorli Tq. Parseoni Dist. Nagpur 441102
24	Royal Bricks, Kh NO 350, At Mouza Tamsawadi Tq Parseoni Dist Nagpur
25	R. B. M. Bricks, Kh No 487, Mouza Boarda, Tq. Ramtek Dist. Nagpur
26	Ravi Bricks, Kh NO 217, At Mouza Ungaon Tq Kamptee Dist Nagpur441001
27	Gopal Bricks Industries, Kh. No. 22, At. Khaparda, Tal, Ramtek, Dist. Nagpur
28	M/s. Paliwal Bricks, Kh. No. 236/B, 236/C, Bawangaon, Tah. Saoner, Dist. Nagpur
29	Paliwal Bricks, Kh. No. 7AB/3, 7AB/2, Rohana, Tah. Saoner, Dist. Nagpur
30	Shree Bricks Industries, Kh. No. 351, Mouza. Tamaswadi, Tah. Parshioni. Dist. Nagpur

31	Gopal Vita Company, Kh. No. 355, 356, 357, Mouza Tamaswadi, Tah. Parshioni, Dist. Nagpur
32	Gopal Bricks Manufacturer, Kh. No. 348, At. Thamaswadi, Tah. Parseoni, Dist. Nagpur
33	HI TECH BRICKS MANUFACTURERS, Kh no.224,BHANEGAON, Tq saoner, Dist Nagpur.
34	ASIF BRICKS CO, Kh no.203,204,UMRI, Tq Ramtek,Dist Nagpur.
35	Raja Bricks, Kh no.417/3,419/2,419/3,ITGAON, Tq Parseoni,Dist Nagpur.
36	RASHI BRICKS, Kh no.42/2, 42/3,GHUKSHI,Tq Parseoni, Dist Nagpur.
37	KALRA BRICKS, Kh no.189,BHONDEWADA, Tq RAMTEK, Dist Nagpur.
38	VINEET BRICKS, Kh no.213,Bhondewada,Tq RAMTEK, Dist Nagpur.
39	National Industries, Kh.No.556, Mouda, Tah.Mouda, Dist.Nagpur