



Centre for Science and Environment



Training Programme on

# CLEANER BRICK PRODUCTION

Venue: Anil Agarwal Environment Training Institutes, Alwar Rajasthan

11<sup>th</sup> – 15<sup>th</sup> December 2017

Day 1: 11 December, 2017		
Time	Topic	Speaker
7:45 – 8:45 Breakfast		
9:00 – 9:30	<ul style="list-style-type: none"> <li>Registration</li> <li>Icebreaking session</li> </ul>	Ishita Garg Senior Research Associate, CSE
9:30 – 10:30	<ul style="list-style-type: none"> <li>About CSE and AAETI</li> <li>About the course</li> </ul>	Nivit Kumar Yadav Senior Program Manager, CSE
10:30 – 11:15	Round of AAETI	Digvijay Singh Bisht Senior Research Associate, CSE
11:15 – 11:45 Tea Break		
11:45 – 12:30	<b>Overview of the Brick Kiln Industry in the country</b> <ul style="list-style-type: none"> <li>Types of walling materials</li> <li>Production capacity</li> <li>Red Brick industry</li> </ul>	Nivit Kumar Yadav
12:30 – 13:15	<b>Environmental Issues and Challenges associated with Clay fired brick production</b> <ul style="list-style-type: none"> <li>Discussion</li> <li>Presentation</li> </ul>	Rahul Kumar Senior Research Associate, CSE
13:15 – 14:15 Lunch		
14:15 – 15:00	Policies and Regulations governing the industry	J S Kamyotra Former Member Secretary, CPCB
15:00 – 15:30	<b>Discussion:</b> Regulations followed in each participating state	Nivit Kumar Yadav
15:30 – 15:45 Tea		
15:45 – 16:30	<b>Recent Regulations and Developments</b> <ul style="list-style-type: none"> <li>New draft notification</li> <li>CPCB direction</li> <li>EPCA directions</li> </ul>	J S Kamyotra & Nivit Kumar Yadav
16:30 – 17:00 High Tea		
17:00 – 17:30	<b>Discussion:</b> Climate change and brick kilns sector	Rahul Kumar
18:15 – 19:15 Meditation and Yoga		
20:00 – 21:00 Dinner		
Day 2: 12 December, 2017		
7:45 – 8:45 Breakfast		
9:00 – 10:30	<b>Brick Manufacturing:</b> An overview of manufacturing technologies <ul style="list-style-type: none"> <li>FCBTK • Zigzag • DDK • Clamps</li> <li>Hoffman • VSBK</li> </ul>	Sonal Kumar Senior Consultant Greentech Knowledge Solutions
10:30 – 11:00 Tea Break		

11:00 – 12:30	<b>Understanding Zig Zag Kilns</b> <ul style="list-style-type: none"> <li>• Components</li> <li>• Process</li> <li>• Video clips</li> <li>• Advantages</li> <li>• Inspection and Verification</li> </ul>	Rahul Kumar Sonal Kumar
12:30 – 13:15	<b>Proactive role of SPCB in Zig Zag conversion process</b> <ul style="list-style-type: none"> <li>• Bihar</li> <li>• Delhi NCR</li> </ul>	Sonal Kumar Rahul Kumar
<b>13:15 – 14:15 Lunch</b>		
14:15 – 14:45	<b>Case study from Maharashtra: Clamp down the clamp kilns</b>	Ishita Garg
14:45 – 15:30	<b>Discussion: Future of Clamp Kilns</b>	Ishita Garg Rahul Kumar
<b>15:30 – 15:45 Tea</b>		
15:45 – 17:15	Stack Monitoring <b>Case Study: Challenges &amp; Difficulties</b>	Sonal Kumar
<b>17:15 – 17:45 High Tea</b>		
<b>18:15 – 19:15 Meditation and Yoga</b>		
<b>20:00 – 21:00 Dinner</b>		
<b>DAY 3: 13 December, 2017</b>		
<b>7:45 – 8:45 Breakfast</b>		
9:00 – onwards	Departure for field visit <ul style="list-style-type: none"> <li>• FCBTK unit</li> <li>• Zigzag induced unit</li> <li>• Zigzag natural unit</li> </ul> <i>*Note – Lunch &amp; Tea will be arranged in between</i>	
<b>17:00 – 17:30 High Tea</b>		
18:45 – 19:30	<b>Discussion: Observation &amp; learning from site visit</b>	Rahul Kumar
<b>20:00 – 21:00 Dinner</b>		
<b>DAY 4: 14 December, 2017</b>		
<b>7:45 – 8:45 Breakfast</b>		
9:00 – 9:30	Concept of Cleaner Walling material	Avinash Pareek, Secretary AFAPM & Ishita Garg
9:30 – 10:30	<b>Fly Ash Brick Manufacturing: Process, Issues and Challenges</b>	Pankaj Mittal Vice President, AFAPM
10:30 – 11:00	Guidelines & Recommendation	Juhi Purwar, Research Associate
<b>11:00 – 11:30 Tea</b>		
11:30 – onwards	Departure for Field Visit <ul style="list-style-type: none"> <li>• Fal G brick manufacturing unit</li> </ul> <i>*Note – Lunch &amp; Tea will be arranged in between</i>	Behror, Rajasthan
19:00 – 20:00	<b>Discussion: Inputs on Guidelines for Fly Ash bricks</b>	Juhi Purwar
<b>20:00 – 21:00 Dinner</b>		
<b>DAY 5: 15 December, 2017</b>		
<b>7:30 – 8:30 Breakfast</b>		
8:30 – 10:30	<b>Group Exercise:</b> Development of standard template for granting consent	Rahul and Ishita
10:30 – 11:30	Presentation by each group	Nivit Kumar Yadav
11:30 – 12:00	<ul style="list-style-type: none"> <li>• Feedback</li> <li>• Valedictory Session</li> </ul>	Chandra Bhushan Deputy Director General, CSE
12:00 – 12:30	Packing & Checkout	
<b>12:30 – 13:15 Lunch &amp; Departure for Delhi</b>		

**Contact**

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