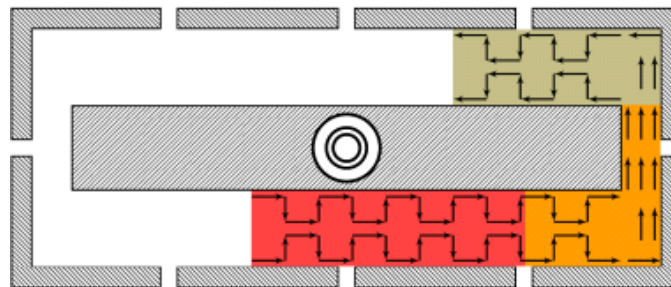


Technology in Brief

High draught technology is basically an arch less, rectangular, top-fed, coal-fired continuous kiln in which the fire follows a zig-zag path and the setting area is divided into chambers. The kiln operates on a draught of 50 ± 5 mm. With this design, a very fast rate of fire travel of 16 to 18 meters per day can be achieved, which is nearly three times faster than that of the Fixed Chimney Bull's Trench Kiln (FCBTK).

Salient Features/Advantages

- Designed for various capacity from 30,000-50,000 brick per day & fast removal of Moisture from brick.
- Operates under induced draught mode & Chamber type/zig-zag brick setting.
- Implemented by MoEF & CC February 2022 all over India.
- High thermal efficiency and fuel saving of 25% as compared to FCBTK.
- Increased production capacity due to induced draught.
- 90% production of Class-I high quality bricks.
- Better working environment for workers.
- Increase in profit of entrepreneurs.



Properties	SPM Emission Standards achieved $<250 \text{ mg/Nm}^3$
End Product(s)	High quality bricks
License/Commercialization	1) M/s Pollution Consultants & Engineers, Faridabad 2) M/s Team Energy Solution, Panchkula 3) M/s Ray Techno Solutions, Hoogly 4) M/s Newtec Enterprises, Chandigarh 5) M/s Amit Associates, Ghaziabad
TRL	9
Environmental Impact	Low carbon foot print and implemented in >15000 brick kilns in India
Setup - Equipment required	ID fan
Awards/Recognitions	Director's Best Technology Award