

Design of High Draught Brick Kilns With Zig-Zag Setting

Societal Impact

- i) This design will help to achieve the new standards of SPM emission (250 mg/m^3) from stack as per CPCB guidelines.
- ii) This design will reduce the emission of particular matter from stack to provide better working environment for the workers.
- iii) It will protect the human health by reducing the lungs related diseases.
- iv) This design will help to save the natural resource like coal as fuel by 20 %.
- v) This design will help in improving the product quality as well as increase in in percentage of class “A” bricks.
- vi) As induced draught is used, it helps to increasing the production of bricks. Thus increasing the profit of the entrepreneurs.
- vii) The technology will help to reduce carbon foot print by reducing the fuel requirements.
- viii) Saving of money by retrofitting the old FCBTK type brick kiln in to this new high draught design.
- ix) It will improve ambient air as well as indoor air quality for the human being.