



# Central Building Research Institute

Roorkee

## De-Airing Brick Making Machine



- Application/Uses:** For making building bricks and other structural clay products.
- Salient Technical Features:** Extrusion machine (4000 bricks per hour output) of double deck design having independent clutch drives. Effective de-airing facilities production of uniform size and superior strength products utilising inferior soils industrial wastes e.g. fly-ash, red mud, stone dust etc.
- Environmental Aspects:** Generation of environmental friendly system by utilization of high proportion industrial wastes and saving in fuel consumption.
- Level/Scale of Development:** Standardized on prototype model.
- Status of Commercialisation:** Ready for commercialisation.
- Major Components/ Raw Materials:** Double deck extruder with vacuum pump, semi-automatic cutting table, belt conveyor, motors and helical gear box.
- Major Plant Equipment and Machinery:** Standard mechanical workshop facilities.
- Techno-Economics:** Estimated capital investment would be about Rs 1 crore. A typical De-airing extrusion machine alongwith semi-automatic cutting table with a capacity to shape 4000 bricks per hour will cost about Rs. 8.5 lakh.
- Technology Package:** Design drawings of the machine, Fabrication procedure, specifications of standard components

**For further details please contact :**

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