

<i>Latest Technologies available for Commercialization: “ Building Construction Industry”</i>	
1	Acrylic water based coating for the protection of concrete structures: Protection of concrete structures.
2	Beneficiation of Phospho-gypsum: Substitute for high natural gypsum, suitable for plaster and plaster products.
3	Brick making machine (Extrusion type): The machine is suitable for producing clay bricks using inferior soils based on extrusion process with de-airing facility followed by natural drying and burning in the kiln. Salient Features.The machine produces uniform size and superior strength building bricks. Adoptable for other clay products. Easy operation and maintenance. The capacity of the machine is up to 4000 bricks (230x110x75 mm size) per hour.
4	Bricks from Inferior soil / Industrial waste & Burnt Clay Flyash bricks: Housing and Building Construction Industry.
5	Cable fire stop system (Cable penetration seal system): To restrict the spread of fire through openings around the cables.
6	C-Brick making machine: Production of bricks utilizing flyash and other siliceous and calcareous wastes.
7	Cement based Vermiculite Tiles: Suitable for thermal insulation in Residential, Commercial & Industrial Buildings
8	Cement Paint: Exterior coating for cement concrete, cement plastered wall, AC sheets, brick work etc. for decorative as well as water resistant purposes.
9	Coir-CNSL Board: Panelling, surfacing, partitioning, doors and window shutters, false ceiling, furniture, cabinets etc.
10	Concrete Block making machine: Suitable for casting solid and hollow concrete blocks.
11	Direct foam injection technology for the petroleum oil tank fire safety: For fire protection of Class B Flammable Liquid Storage Tank Fires in Petroleum refineries, Oil storage depots & Terminals, Chemical, Petro-chemical & allied industries.
12	Epoxy-phenolic IPN coating for protection of concrete and steel structures: Calcination of quarry gypsum, marine gypsum, phospho- gypsum into plaster of Paris of various grades for use in building, pottery, ceramic and surgical applications
13	Epoxy-phenolic IPNet-RB Coating for protection of steel reinforcement in RCC: Protection of concrete and steel structures exposed to aggressive environment e.g. chemical and fertilizer industries and structures in coastal regions
15	Energy efficient Gypsum Calcinators: Corrosion protection of steel reinforcement.
16	EPS Door shutters: Door shutters, panels partitions, table tops, cupboards, etc.
17	Fire resistant metallic doors: Uninterrupted spread of fire in buildings is one of the major issues responsible in increasing the quantum of direct and indirect fire losses. Door openings, by necessity breach compartment walls allowing failure of integrity and insulation causing fire to spread uninterrupted. It is therefore essential to restrict spread of fire to achieve the required degree of containment. Failure to do so may cause considerable loss of life and property. A fire door with a specific fire-resistance rating is used as part of a passive fire protection system to reduce the spread of fire from one compartment to other and to enable safe egress from an occupancy.
18	Fire blocking layer: Suitable for intermittent lining materials, curtains, sofa covers and temporary shelters etc.

19	Flooring Tiles from waste gypsum: Suitable for use in flooring and general purpose as a replacement to ceramic and cement tiles.
20	Gravitational Settling Chamber for efficient pollution control in Fixed Chimney Brick Kilns: Pollution control in Brick Kilns & other low stack furnaces/kiln.
21	Geopolymeric Building Materials: Bricks, blocks, concrete, reinforced concrete, light weight concrete etc.
22	Horizontal Boring machine: Suitable for making bores under the ground in horizontal direction at required depth (a Trenchless construction) for installing underground facilities i.e. electric cables, sewer pipes, water lines etc. without disturbing surface structure.
23	High Strength Plaster from Fluro-gypsum: Suitable for use in plastering - Finish coat & Base coat.
24	Poly Tiles: Suitable for floors and walls of residential, commercial and industrial buildings
25	Liquid Extinguishment Fire Extinguisher: Suitable to combat the following fires with the following key uses/application areas: Class A all-type Combustible material Fires" such as paper, wood, cloth, etc; Class B Flammable Liquid Fires" such as petrol, diesel, kerosene; Class K Kitchen- Pan Fires for women's fire safety" and the "Electrical fires" due to short-circuits.
26	Mini Climbing Crane: Light duty material handling device for building construction.
27	Modified Epoxy Cardanol IPN coating for protection of concrete and steel structures: Corrosion Protection.
28	Natural Fibre Based Composite Panels/Doors: Door shutters, Panels, Laminates and Corrugated sheets.
29	Pine needle composite board/panel: Boards, Panels, door panel insert and furniture items.
30	Plant for shaping building bricks from inferior soils/industrial waste by extrusion process : For Shaping building bricks and other structural clay Products
31	Rice Husk Plastic Composites (wood without tree): Window & door frames, profile panels, decking, fencing, flooring, park benches etc.
32	Roof Cooling Device: Provides a cool roof in buildings for thermal comfort of occupants. Saves electrical energy in air-conditioned buildings.
33	Sand Lime Bricks: Building industry.
34	Semi-automatic cutting table for extruded clay products: Pneumatically operated cutting table. Used for cutting extruded clay column from extrusion machines into bricks/tiles/blocks etc.
35	Solar water heater: Water heating for use in residential and institutional buildings such as hospitals, hotels, canteens etc.
36	Silicate Based Waterproofing Formulation: Water proofing in building industry.

For more details please visit our website www.nrdcindia.com or contact:

Shri Amit Ranjan,

Engineer-Business Development,

Business Development Division,

Mobile: +91-9312427592

Tel: +91-11-29240402, Extn. 219

Email: aranjan@nrdc.in