

ECO-FRIENDLY TECHNOLOGIES

TARA MCR Roofing Technology

The TARA Micro Concrete Roofing Technology package consists of a TARA screed vibrator (electrically operated), TARA self stacking plastic moulds, accessories, alignment tools and bending test equipment. The TARA MCR equipment is tailor made to produce multiple forms of roofing tiles such as Roman pattern tiles, Pan tiles and ridge tiles. One set of equipment has the capacity to produce 300 tiles per day. The package is supported with a set of manuals and a training CD.



TARA Briquetting Fuel Technology

The TARA Briquetting Fuel Technology is designed as a complete package for production of clean fuels. The input is woody biomass material; the output is TARA charcoal briquettes. The technology package consists of :

- Drum pyrolisers
- Char grinder
- Briquetting extruder or press
- Tools and accessories

Two variants of the equipment are available; manual equipment and electrically powered system with 5 hp motor.

TARA Brick Extrusion Technology

The TARA brick extrusion technology is a unique system for production of wire cut bricks with an incredibly low capital investment. The TARA brick extruder is powered with a 25 HP electric motor. It can handle clay; coal ash and fly ash admixtures and produce upto 1000 bricks per hour.



TARA Compressed Earth Block Technology

The TARA Compressed Earth Block Technology package consists of TARA Balram machine, TARA soil sieves, mixer and accessories. The TARA Balram machine is a manually operated press with the capability of providing a compaction load of ten tonnes when operated by a single operator. The TARA Balram machine can be used to produce cement stabilised earth blocks and fly ash blocks.



TARA Ferrocement Roofing Technology

The TARA Ferrocement Roofing technology package uses state-of-the-art design principles to manufacture reinforced shells. These shells are produced on specially designed vibrating tables and profiled moulds wherein single roofing elements upto 6.1 metres in length can be cast. The TARA Ferrocement equipment consists of a vibrating table, precision steel moulds, lifting frame, lifting tongs and special trolleys for handling the product.



TARA Mini Paper Recycling Technology

TARA Mini Paper Recycling systems are designed for ease of recycling of waste paper in schools, art colleges and educational institutions. The TARA machines are designed to pulp paper (hydrapulper) and cotton rags (beater). The TARA system consists of :

- Hydrapulper
- Beater (optional)
- Univat
- Screw Press
- Tools and accessories

The TARA systems are available in capacities ranging from 5 kg to 50 kg per day.



TARA Environment Monitoring Kits

The TARA environmental monitoring kits are a reliable tool customised to monitor air pollution and water quality. The JAL TARA series of water testing kits include testing of all parameters for:

- Drinking water quality
- Arsenic content in water
- Fluoride content in water

The Pawan TARA air testing kit is used for testing

- Respirable dust particulate matter
- Sulphur dioxide and Oxides of Nitrogen

All kits are self contained with manuals and CDs for training in operation.



TARA Hand Made Paper(HMP)Production Units

TARA hand made paper production units are delivered on a turn-key basis to entrepreneurs and institutions. The TARA HMP equipment consists of a rag chopper, hollander beaters, hydraulic press, uni-vats, calendering machine, pulp pumps, tools and accessories. TARA provides technical support services that include erection, commissioning, training and quality control.



For more information on these eco-friendly technologies, please contact:

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