

Sanjay Sharma, Kota, Rajasthan

Plant at a glance



The first 2 shaft VSBK unit in Rajasthan, it was constructed and commissioned in January 2005. Consisting of two shafts of size 1850mm x 1070mm it has a capacity to produce approximately 10,000 – 12,000 bricks per day. Due to high strength of

green bricks the shaft has been designed for accommodating 12 batches. Shaft size has been designed to accommodate two brick sizes, both 8.5" x 4" x 4" and 9" x 4" x 3".

The unique feature of this VSBK unit is the construction of a winch system to lift green bricks to the loading platform. It has a capacity to lift 250 bricks at a time. A metal staircase has also been provided for movement of people to the loading platform.

Name:	Sanjay Sharma
Tel. no.:	9829121455
Plant:	Kota- Kaithun Road, In front of Shah petrol pump Kaithun, Kota, Rajasthan
Plant type:	1 VSBK (2 shafts)
Production capacity:	25,00,000 bricks per year
Year of establishment:	January 2005
Fuel consumption:	
External	1 ton/100,000 bricks
Internal	10 ton/100,000 bricks (Fly ash and textile waste)



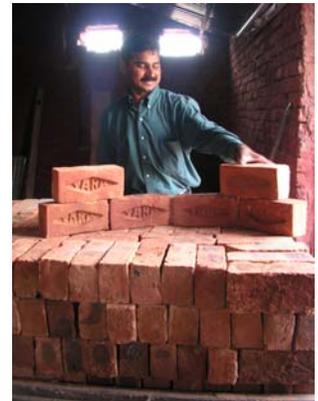
Throughout the season the plant has been operated at approximately 1 tonnes per lakh of fired bricks. Breakage is minimal to almost nil. This has been possible due to proper selection of soil and judicious mix of internal fuel. To gain better strength two types of soil is being mixed; grey coloured non plastic and yellow coloured non plastic. Plastic soil is being transported from own land near a river bank. To further reduce the plasticity fly ash from thermal power plant is mixed as per Government of India norms. Internal fuel in the form of a waste from nearby textile industry is used 6%-8% by weight. It is a plastic material in nature containing an oily substance. The calorific value of the waste is around 2400 KCal/kg. All the materials are dry mixed and aged in water for atleast two days. Before moulding it

is properly mixed by manual means. Due to high cost of fine sand, fly ash is being used as a releasing agent for demoulding bricks.

Fired product is dark red in colour hitherto unheard off in Kota. In and around Kota brick are mostly made in open clamps. Colour is always a yellowish red. Thus Shri. Sharma is able to fetch a premium of Rs. 1600 per thousand for his bricks which is almost double the rate of bricks sold from clamps. His unique marketing features are dark red colour, proper size, good finish and metallic ring.

Background

Born in 29 January, 1971 into a family of 4 brothers, Shri. Sharma was the youngest having a flair for independent business from his childhood days. Armed with a diploma in mechanical engineering, he started his career in a sandstone mine as a plant engineer in 1994. After 6 years of service, he undertook marketing of fly ash bricks for two years. During this stint he gained enough experience in bricks and sold around 50 lakhs of fly ash bricks. After a short stint of a year on marketing of red bricks, he set up his own brick unit. During the period 2003 – 2005 he produced around 15 lakhs of bricks per year from small intermittent clamps.



“My intention of going for VSBK technology was to do the brick business in a different way. VSBK technology provides me an opportunity to change the system of brick making in Rajasthan while setting benchmark quality standards amongst brick producers and consumers in a profitable manner”.