

K.L. Chuggani, Raipur, Chattisgarh

Plant at a glance

The 2 shaft VSBK unit was commissioned in early 2003. It is situated near his own movable chimney on the banks of river Kharun. The plant is strategically located in the heart of Sarona brick cluster which is one of the biggest brick making area in Chattisgarh consisting of more than 40 movable and fixed chimney BTK.

The unique feature of this VSBK is the installation of a conveyer belt for green brick transportation to the loading platform. This not only saves time but also on labour. With addition of internal fuel – sponge iron waste, the coal consumption has come down from 18 tonnes per lakh of fired bricks in movable chimney BTK to around 8 tonnes in VSBK. On close supervision the breakage stabilizes between 2%-3%.

This has been achieved through improved soil processing process which has further improved the green brick quality and also profitability.

Name:	Kanhaiya Lal Chuggani
Tel no.	0771 - 2573392
Plant:	MRS Bricks, Village - Sarona, Raipur, Chattisgarh.
Plant type:	1 VSBK (2 shafts)
Production capacity	20,00,000 bricks per annum
Year of establishment	2002 - 2003
Fuel consumption	
External	8 ton/100,000 bricks
Internal	12 ton/100,000 bricks (Rice husk and coal dust)



Shri. Chuggani adopted VSBK technology on his desire of doing something different and establishing his pioneering leadership in brick technology. His main interest in VSBK technology was high coal savings, consistent quality, close control and monitoring of the firing process. Absence of technological guidance and total dependence on firing personals in movable chimney BTK entails losing more than 1 lakh bricks per year. This could be valued only after 24 days when the bricks cool down. Moreover the present brick production process is highly vulnerable to vagaries of nature. Each and every year due to rain there is a loss of around 4 – 6 lakh of green and fired bricks. Also brick production through movable chimney is possible for only 5 – 6 months. In the year 2004 during

February due to heavy rainfall there was a loss of more than 7 lakhs of green bricks and even the firing process had to be stopped and restarted.

Background

A mechanical engineer by profession, Shri. Chuggani has been primarily engaged in construction business. He entered into the brick business around 25 years ago. Starting with a single movable chimney BTK unit it flourished into 2 units at different places. Initial production was troublesome, since it was a learning process. After many ups and downs, burning light throughout the night, Shri. Chuggani mastered the art of brick production. Setting up unique management systems, he ushered in new quality standards in brick production in Raipur district.



His bricks are one of the best quality available in Raipur and sells only by the “MRS” brand name painstakingly established over more than 20 years. MRS bricks fetch a premium in the market. Annual capacity is around 40 – 50 lakhs of fired bricks.

“My motto in brick production – Quality not Quantity. Quality is difficult to achieve but pays. Quantity can be achieved easily but is short lived. My intention of choosing VSBK was its coal saving ability. With the increasing rate of coal soon the brick industry will face crisis in survival. VSBK not only gives me greater profit through coal savings but gives me flexibility in production. VSBK has helped me in achieving higher profitability.”