

- vi. Effluent (scrubber water and floor washings) shall be discharged into receiving water conforming to the norms prescribed under Schedule VI:

General Standards for Discharge of Environment Pollutions (Part A: Effluents) notified under the Environment (Protection) Rules, 1986].

<sup>1</sup> [74	<b>BRICK KILNS</b>	Emission Standards	
		(i)	<b>Bull's Trench Kiln (BTK)</b> Category*
			Limiting concentration in mg/Nm <sup>3</sup>
	Particulate matter	small medium large	1000 750 750
	Stack height	Small	minium (metre) 22 or induced draft fan operating with minimum draft of 50 mm WG with 12 metre stack height.
		Medium	27 or induced draft fan operating with minimum draft of 50 mm WG with 15 metre stack height.
		Large	30 or induced draft fan operating with minimum draft 50 mm WG with 17 metre stack height.
	*Category	Trench withdh (m)	Production (bricks/day)
	Small BTK	<4.50	Less than 15,000
	Medium BTK	4.50-6.75	15,000-30,000
	Large BTK	Above 6.75	Above 30,000

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<sup>1</sup> Substituted by Rule 2 of the Environment (Protection) Fourth Amendment Rules, 2009 notified by G.S.R.543(E), dated 22.7.2009.

**(ii) Down-Draft Kiln (DDK)**

	Category++	Limiting concentration in mg/Nm <sup>3</sup>
Particulate matter	small/large/medium	1200
Stack height	small	12
	medium	15
	large	18
++Category	Production (bricks/day)	
small DDK	Less than 15,000	
medium DDK	15,000-30,000	
large DDK	Above 30,000	

**(iii) Vertical Shaft Kiln (VSK)**

	Category**	Limiting concentraion in mg/l Nm <sup>3</sup>
Particulate matter	small/large/medium	250
Stack height	small	11 (at least 5.5m from loading platform)
	medium	14 (at least 7.5 m from loading platform)
	large	16 (at least 8.5 m from loading platform)
**Category	No. of Shafts	Production (bricks/day)
small VSK	1-3	Less than 15,000
medium VSK	4-6	15,000-30,000
large VSK	7 or more	above 30,000

**Notes:**

1. Gravitational Settling Chamber along with fixed chimney of appropriate height shall be provided for all Bull's Trench kilns.
  2. One chimney per shaft in Vertical Shaft Kiln shall be provided. The two chimneys emanating from a shaft shall either be joined (at the loading platform in case of brick chimney or at appropriate level in case of metal chimney) to from a single chimney.
  3. The above standards shall be applicable for different kilns if coal, firewood and/or agricultural residues are used as fuel].
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