

**PENETRATION LEVEL OF ENERGY EFFICIENT TECHNOLOGIES IDENTIFIED
UNDER
BEE SME PROGRAMME
(Varanasi Brick Cluster)**

a. Cluster Background

Sl. No.	Particulars	Value
1	No. of Units, Numbers	226
2	Total Energy Consumption, toe	69238
3	Energy Saving Potential, toe	42075

b. Energy Efficient Technologies Identified

S. No	Proposed Technology	Document ID	Savings over baseline scenario (in %)	Investment (in Rs. Lakhs)	Penetration Level (in number of units)
1	BTK conversion to Zig Zag firing for unit producing 30 Lakhs Bricks/year	VRN/BRK/ZIG/01	25	7.21	167
2	BTK conversion to Zig Zag firing for unit producing 12 Lakhs Bricks/year	VRN/BRK/ZIG/02	25	5	25
3	BTK conversion to Zig Zag firing for unit producing 50 Lakhs Bricks/year	VRN/BRK/ZIG/03	33.33	7.52	34
4	ID fan in brick industry	VRN/BRK/IDF/04	8.33	1.72	226