

### Small scale project category

Temperature of steam	480	C
Steam pressure	65	kg/cm <sup>2</sup>
Enthalpy	3368.2	KJ/kg
steam production	18000	kg/hr
Capacity of Boiler in MW thermal	16.841	MW thermal

<i>Emission reduction due to steam generation from rice husk (Replacement of coal)</i>		
Daily Steam requirement	96	TPD
Steam pressure required for process	8	kg/cm <sup>2</sup>
Enthalpy	2031.3	KJ/kg
Daily thermal energy consumption	195004800	KJ/day
Operating days	330	days
Annual thermal energy consumption	64	TJ/annum
Emission factor of coal	94	tCO <sub>2</sub> /TJ
Annual emission reduction due to steam generation from rice husk	<b>6058</b>	tCO <sub>2</sub> /annum

<i>Emission reduction due to electricity generation from rice husk (Replacement of HSD)</i>			
Net electricity generation	22000	kWh	
Annual days of operation	330	days	
Total electricity replace per annum	7260000	kWh/annum	
Emission factor from electricity generated from DG	0.8	kg CO <sub>2</sub> /kwh	Methodology I.d, Appendix B of the simplified modalities and procedures for small-scale CDM project activities  Indicative simplified baseline and monitoring methodologies for selected small-scale CDM project activity categories
Emission reduction	<b>5808</b>	tCO <sub>2</sub> /annum	
Total emission reduction	<b>11866</b>	tCO <sub>2</sub> /annum	