

Summary of study: Amorphous transformer in a foundry unit: Unit - 3

Industry : Foundry

Unit profile : A foundry located in Rajkot (Gujarat) engaged in production of castings for diesel engine

Technologies identified :
Amorphous transformer

Application : Energy savings in transformers

Year of investigation : 2012

Key features:

Adopting amorphous transformers in place of existing transformers of 315 kVA capacity



Potential energy and cost savings:

Details	Existing	Recommended
Transformer system	315 kVA X 2 unit	315 kVA X 2 unit (Amorphous)
Energy saving		Significant in long term

Note:

This report is an example for investigating the potential of application of Japanese low carbon technology (LCT) in Indian industries. Amorphous transformer is the LCT which can generate greater benefits in electrical systems in Indian industries.