

(ID 1459-09)
PROJECT CONCEPT NOTE

1	Name of Project	“Energy efficient slurry filtration project at ESL, Vizag, India.” in City: Vizag, District: Visakhapatnam.in Andhra Pradesh by M/s. Essar Steel Ltd
2.	Location of the Project (Village / District / State)	City: Vizag, District: Visakhapatnam.in Andhra Pradesh
3.	Brief Description of the Project	The iron slurry received from Bailadila plant undergoes filtration prior to sending for pelletisation in the Vizag plant. The filtration process using vacuum disc filter modules is highly energy intensive. During the expansion of the unit ESL had the option of either continuing with the existing Vacuum disc filter route or opt for the ceramic technology which is energy efficient. The technology using ceramic filter is the first of its kind in the country and there was no other installation with experience with the specific technology. As an environment conscious entity, ESL decided to adopt a less power consuming technology, so that the project will results in reduction of GHG emissions associated with avoidance of usage of equivalent amount of power in captive power plant and plant connected to the southern regional electricity grid.
4.	Estimate of GHG abatement in tCO ₂ eq.	52758
5.	Host Country Approval Status	Approved
6.	Project Owner / Proponent	Mr. M K Sampath CEO-Pellet Projects (India) Essar Steel Limited Near Flyover, Scindia Road Visakhapatnam, Andhra Pradesh-530004
7.	Baseline Methodology	AMS. II. D. Energy efficiency and fuel switching measures for industrial facilities”
8.	Project Start date	In line with date of P.O. (PR 46340087)for CC-45 04 March 2004
9.	Project completion date	Completed in June 2006.