

PROJECT CONCEPT NOTE

(ID no. 10)

1	Name of the Project	Switching of fossil fuel from naphtha to natural gas at Essar Power Limited's ("EPoL") generation station located at Hazira, Gujarat, India, for power generation and supply Gujarat Electricity Board ("GEB") Grid and to Essar Steel Limited ("ESTL")
2	Location of the Project (Village / District / State)	The project activity has been undertaken at Essar Power Limited plant at 27 th Km on the Surat – Hazira Road Hazira, Surat District of State of Gujarat, India.
3	Brief Description of the project	<p>The principal aim of the project is to effect a change in primary fuel from naphtha to natural gas. The power plant has been using Naphtha as the primary fuel and has affected a shift to natural gas from mid December, 2002 at an additional investment of Rs 31.4 million, with a view to effect decrement in GHG emissions and minimizes other environmental impacts. This switch in primary fossil fuel is envisaged as a CDM project activity.</p> <p>The fuel switch project involves at the outset, a tie up with an appropriate gas supplier. Negotiations with Gujarat Gas Company Limited ("GGCL") are underway and draft contract document is under preparation. On successful closure of negotiations, the gas supplier lay appropriate pipeline for supply of one million standard cubic meter per day (1 MMSCD) of gas to EPoL. Moreover, EPoL procures 0.25 MMSCD from Gujarat State Petroleum Corporation Limited ("GSPCL"). Essar Steel Limited (ESTL) supplies 0.75 MMSCD of natural gas for conversion to electrical power. Thus the total gas available to EPoL in the first three years (2003 – 05) is 2.0 MMSCD against a full load requirement of 2.448 MMSCD.</p>
4	Estimate of GHG abatement in tCO ₂ eq.	4042369
5	Host Country Approval	Approved

	Status	
6	Project Owner / Proponent	Essar Power Limited, 14 th Floor, Essar House. 11, Keshav Rao Khadye Marg, District: Mahalaxmi, Mumbai, Maharashtra, India Postfix/ZIP: 400 034 Contact Person: Mr. Srivastava A.K., Managing Director Tel: +91 (022) 2495 0606 Fax: +91 (022) 2495 4787 E-mail: aksrivastava@essar.com URL:www.essar.com
7	Baseline methodology	NM0073
8	Project Start Date	19 th April, 2002
9	Project Completion Date	1 st November, 2002