



**INDIAN PETROCHEMICALS CORPORATION LIMITED  
BARODA COMPLEX**

Date: 28.06. 2002.

ENERGY AUDIT REVIEW MEETING									
Sr. No	Project description	Expected energy savings on per year basis					Investment incurred on the project (Rs. Lakhs)	Project Status	
		Electricity (Lakhs kWh)	Fuels*			Total savings in (Rs. Lakhs)			
			Coal (tonnes)	F.Oil (mt)	Gas (lakhs m <sup>3</sup> )				Total (fuel) in MkCal
1	In ACN, Waste Water column stopped with heat integration. Steam saving of 9938 MTA.			399		4030	50	Nil. Heat integration.	Implemented
2	Recovery of Vinyl acetylene and consuming as fuel at in the Hot Oil Heater			1502.62		15176	120	To be estimated	Under Approval
3	In DSAF plant, insulation rectification, steam traps repair / replacement, arresting steam leakages etc. saved 2 MT per hour of steam.			558.08		5637	70	2	Under implementation
4	In IOP plant, epoxy coating of impellers and casings for two Cooling water pumps reduced power consumption by 234 MWH.	2.34					3	1	Under implementation
5	Primary & Secondary air registers adjustments during decoking of Naphtha cracker heaters reduced fuel gas consumption by 14 MTA.			15.9451		161	2	Optimiztion	Implemented
6	In GOP plant, Nitrogen consumption reduced from 2600 to 1600 NM3/Hr.			438.492		4429	55	Optimiztion	Under implementation
7	Auxiliary firing in HRSG's maximized for 1.14 Lac MTA more steam generated compared to last year.			399		4030	50	NIL. Own initiative. Economical route	Implemented

**Forward Path**

- 1 Proposal for Projects identified during Energy Audit Review as reducing electricity consumption will be prepared and forwarded for management approval by first week of July 2002
- 2 Awareness to be created plant wise to get more Energy saving suggestion at plant level - Action By CTS Dept. Schedule to be submitted by 02.07.02
- 3 Shri Anil Kewalramani informed that during his visit to RIL, Mumbai, he had participated in a discussion outlining RIL initiative in GHG reduction schemes and opportunity to earn Carbon Credits through some emerging UN initiative under Kyoto Protocol. He proposed to initiate Energy saving schemes thru recovery of waste gas which will lead to fuel saving . It was decided to initiate Vinyl acetylene project recovery under schemes of Kyoto protocol.
- 4 IPCL Management has appreciated the audit team for identifying good energy saving schemes and informed Shri Anil Kewalramani to prepare FCO for the the projects identified. Also informed to increase awareness on CDM activities thru external seminars & trainings in India & abroad.

**Audit Team**

Shri -Govind Parsania- CTS  
Shri -Yashodhar Desai - CTS  
Shri -S K Patel - CTS

Shri DD Chuhan -CTS  
Shri SS Desai - CTS

Team Leader : Shri Anil Kewalramani  
cc : Shri P Vijayaraghavan