

**INDIAN OIL CORPORATION LIMITED**  
**( ASSAM OIL DIVISION )**  
**DIGBOI REFINERY**

**A BRIEF NOTE ON**

**' ENERGY CONSERVATION SCHEMES ' IMPLEMENTED IN 2007-08**

**1) STEAM TRAP SYSTEM MANAGEMENT AT DIGBOI REFINERY:**

The Steam Traps and Steam Loss Survey was carried out in the units and offsites areas by M/s Forbes Marshall, Pune from 3<sup>rd</sup> April to 27<sup>th</sup> Oct, 2007. In all 3349 no. of steam trap modules were audited in the entire refinery and the steam loss through various sources was found out to be 3.3 TPH. Out of defective 458 no. of steam traps, 438 nos. were repaired / replaced, thus saving about 2.78 MT/HR of steam equivalent to financial benefit of Rs. 60 lacs/year. The total investment was Rs.16 lacs with a pay back period of around 4 months.

**2) INSTALLATION OF APC AT WAX SOLVENT DEOILING / DEWAXING UNIT :**

Advanced Process Control at Wax Solvent Deoiling / Dewaxing Unit was taken up and commissioned in August, 2007. Apart from operational control, this has also resulted in savings in steam and fuel gas consumptions. The total investment for this project was 88 lacs. With the commissioning of APC, an energy savings of 200 SRFT/year has been achieved.

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