

ECOAUDITING AS A STRATEGIC TOOL IN MANAGING THE RESOURCE AND ENERGY IN CEMENT INDUSTRIES

K.C. Sharma¹, K. Haryani²

¹*Maharshi Dayanand Saraswati University, Ajmer, India*

²*Institute of Environment Management and Plant Sciences, Ujjain, India*

A continuous environmental auditing executed for several years in three cement plants conclusively prove that ecoauditing if done in details on monthly basis for various components one can diagnose the point of strength and weakness of entire production process, resources and energy utilization trend. A careful review of the recommendation of the audit report can provide remedial measures for correction of the processes, for checking of the spoilage and waste of the raw material and resources at various points starting from mining to packing and transportation. From the same report one can visualise the area where recycling and reutilization is possible. The case history of Vikram Cement, Aditya Cement and JK White Cement prove that the environmental that the environmental audit can yield improvement in environmental quality as well as conservation and minimise economic losses. With the implementation of the recommendation and observation of the audit team the achievements in the conservation of water in the production process is quite impressive. On the energy front there is a remarkable achievement in heat and thermal energy per ton of cement produced. The achievements are more spectacular in Vikram Cement where auditing has been done for eight years continuously. In other two industries in four years itself auditing has proved its utility in conservation of energy and resources and in turn economic benefit.