

A SUSTAINABLE PROJECT

Al Hassan Engineering's Saih Nihayada Gas Depletion Compression (SNDC) project has given special importance to preserve the environment and prevent pollution

The project site of Saih Nihayada Gas Depletion Compression (SNDC) of Al Hassan Engineering Co. was set up with a special emphasis on environment protection and prevention of pollution. The company has accorded great importance to maintain all equipment in the plant to keep them in good working condition so that emissions from the plant can be controlled.

The company could also reduce its water wastage considerably by properly conserving and managing the water. The entire water distribution system is being done through pipes starting from RO Plant to the end user, thereby avoiding transportation through trucks. It helps to save fuel and reduce air pollution. The waste water is recycled through Membrane Bio Reactor Type STP. The water thus produced is of good quality and is being used for irrigation, borrow pits, and dust control. Almost 100 per cent of the water produced is used effectively without being disposing in the evaporation pond.

Reducing pollution

As the temporary facilities required 4 MVA (4,000 KVA) of power during the



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construction phase of the project (two years), the company has taken a unique initiative in getting temporary power by tapping the power from nearby overhead line which is 3.2 km away, thereby avoiding the usage of diesel gensets to produce power and reducing pollution and carbon emissions.

Other initiatives to reduce the carbon footprint include reduction of the usage of plastic cups and plates and encouraging the usage of glass or porcelain cups, and other environmentally friendly

cups and plates. The company also encourages two side printing, electronic mail sending / receiving which also contributed to avoid wastage of papers.

In order to reduce the usage of bottled water, the company supplies water produced from Reverse Osmosis Plant to the water coolers through pipeline without storing in the plastic cans. Tests are carried on the water samples collected from the farthest point regularly to check the quality of water through approved laboratory.

The company has also used interlocking tiles instead of concrete for walkways in camps. Though the initial cost of construction is more, considering the repeated use of materials for other sites, it works out to be economical. This in turn leads to reduction in carbon emission and also elimination of disposal of concrete debris.

Besides, trees were planted in the staff camp as a part of environment protection programme at SNDC site. The company closely monitors the emissions released by the plant and will take steps to control the emissions from time to time. **OER**

