



Sustainability Engineering

Way to Greener, Cleaner Envoy.....endless possibilities.

- **Social Responsibility**
- **Ecological Conservation**
- **Environmental Concern**
- **Air and water pollution control**





Social Responsibility

- At Lloyds social responsibility is a basic for going ahead towards the steel making.
- We look forward to see there is basic change in people lives in and around area through focus on social, economic & environmental concern.
- To achieve this, Lloyds always invested in the modernization and expansion, inside and outside of the plant.
- Lloyds want to be environmental friendly at all the stages of the life for this we adhere to necessary legal and environmental compliances and adopt various technologies as a part of the process.
- The utmost concerns of the company are air pollution, water pollution and solid waste disposal and we are taking all preventive measures to safeguard the surroundings from its' adverse effects.

IN THE FIELD OF HEALTH



- **Medical Center**

At our medical centre, medical facility provided for People from surrounding villages.

- **Ambulance**

We have full-fledged ambulance available for 24 Hrs. for any emergency in and around area.



IN THE FIELD OF FIRE FIGHTING



➤ Fire Tender

- We have our own fire tender available for 24 X 7 for any Emergency/fire in factory / surrounding villages/Town/Cities.
- Well Trained staff to handle in site / off site Emergency.



Fulfilling The Social Needs Through Financial Aid



➤ **Financial Aids**

- We have provided financial aids for construction of water tank at village Barbadi.
- Construction of roads at village Inzapur.
- Provided infrastructure like slag, bed ash for road construction.

Drinking Water



➤ **Drinking Water**

- We provide water purification chemical regularly to village Bhugaon.

➤ **Drinking Water Facility**

- Water cooler has been installed which provide filtered Cool drinking water to passers.



Ecological Conservation

Our Steel is black; but we vision for green



Ecological Conservation *Our Steel is black; but we vision for green*

- At Lloyds, among others, major thrust has been given to Ecological Conservation
 - Positive approach towards the GREEN and CLEAN environment and to achieve this we are implementing various new ideas/technology.
 - Putting the step ahead for conserving the natural resources.
 - Tree plantation in and around the area has been implemented from last several years and planted around 193500 plants and the survival rate is above 95%.
 - Coke Oven Gas is used in the furnace which will conserve the furnace oil.
 - Fly ash bricks are used in construction like roads which will conserve the soil.
 - Distribution of saplings in colony and in nearby villages / Society to promote environment concern.
 - Beautification in and around plant area.
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AVENUE PLANTATION



PLANTATION AROUND WATER RESERVOIR





Environmental Concern



Environmental Concern

- To take care and safeguard the Environmental Aspects, *ENVIRONMENTAL MANAGEMENT CELL* (Pollution Control Department) working in 24x7.
 - The main functions of department are:
 - Increasing the green carpet in and around the plant.
 - Looking for the new projects to safeguard the environment.
 - Work for awareness among the staff of the company.
 - Intensive house keeping in and around the greenery.
 - Consistently working on monitoring the emission and control the same.
 - Ensure strict compliance to statutory obligations on all environmental issues.
 - Co-ordinating with the Government Agencies for taking clearance on environmental issues from time to time.
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➤ **Facilities available**

- Air Cooled Gas Cleaning Plant (ACGC)
- Effluent Treatment Plant (ETP)
- Sewage Treatment Plant (STP)
- Mobile Air Monitoring Van
- Ground Water sampling within 10 Km nearby area of plant.

AND

- Permanent Air Monitoring stations in around surrounding area (within 10 Km.)

AND

- Disposal of Hazardous waste.
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ACGC DETAILS



- **The Pollution control system of Electric Arc Furnace (EAF) & Ladle Heating Furnace (LHF)**
 - ✓ It is one of the best design of APC globally made available and is taken to have efficient control over pollution by World renowned M/s. NIKKO system, Japan.
 - ✓ The process of APC is called ACGC system, where conventional chimney is not required.
 - ✓ With this new process 35% excess suction is compared to existing level is designed.
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THANK YOU

