

CHIRANTAN

Change for a **GREENER** Tomorrow



CHIRANTAN...

Protection of the Environment - Alternative Approach to Pollution Control

Chirantan has an arsenal of products that help protect and preserve the environment. These products are uniquely designed and manufactured keeping in mind the customer requirements. They are easy to operate, cost efficient, safe, and pollution free. Please find below the list.

- Cremators
- MOBILE Cremator
- Incinerator
- Unconventional Energy and Bio Gas Project
- Incinerators for dead animals
- Mortuary Cabinets

About Us

The organization CHIRANTAN was inaugurated on 14th August 1992. We designed the cremator so that cadavers could be cremated by using Diesel /LPG /Natural Gas. We were the first party in India to do so. We did it in order to make it possible to carry out further research in improving the age old Hindu system of carrying out the last rites. Efficiency of the technology and far sightedness is the foundation of Chirantan. Our aim is to keep on improving the system. The cremator was designed by implementing latest ideas and technology. The Chirantan cremator is developed in collaboration with Standard Resistors who have more than five decades of experience in developing various types of industrial furnaces.

On an average the wood obtained by cutting down one fully grown tree is required for cremating one human cadaver. The balance of the environment is disturbed by cutting down trees which are already fast diminishing, while the human population is increasing. This way the pollution of our atmosphere is rising. The conventional method of using wood for cremation generates smoke and ash which spreads all over the surroundings. Heat generated in the process also adds to the problems. The cost of wood is increasing day by day. At times wood is not easily available. Under these circumstances the alternative is to use Chirantan cremator which is manufactured in India and uses Diesel /LPG /Natural Gas. This gives us an opportunity to save trees which are so essential for protecting our environment.

Chirantan has virtually created history by the creation and use of Diesel /LPG /Natural Gas cremator which is based on far sightedness and technical knowhow. The distinctive feature of Chirantan cremator is its uncomplicated design, very low expenses for its erection, simple method for use and nominal expenses for disposal of human cadaver without polluting the atmosphere.

Chirantan cremator is assembled in factory workshop. After taking it to the site the cremator is erected along with the chimney and is ready for use within two weeks.

Self operating roller conveyer of 12 feet length made out of 8 gauge carbon steel wires is supplied along with the cremator. The cadaver is placed on the hearth gently and with full dignity.

A diesel generator of 7.5 KVA capacities is supplied along with the Chirantan cremator. In case of electrical power supply failure the process of cremation is continued with the help of the generator.

In an RCC shade admeasuring 11 meters. South north, 6 meters wide and 4.5 meters high Chirantan cremator can be installed.

Nowadays when the electrical power supply is insufficient the policy of the Government is to supply the electrical power to productive projects. The expenditure on wood required for cremating a human cadaver is prohibitive. The problem become still worse due to the atmospheric pollution caused by the smoke and fly ash generated during the cremation process.

The possible alternative is to switch over to the use of Diesel /LPG /Natural Gas cremator. By using wood for cremation as is done at present, we are wasting lot of national wealth. By using Chirantan cremators the ecological imbalance created by the age old cremation process can be eliminated. The cremator operated by using Diesel /LPG /Natural Gas can control the expenditure involved in day to day requirements, repairs expenses etc. the Chirantan cremator has also effectively reduced the time required for the process.

From the technical view point also the Chirantan cremator has proved its efficiency.

Mobile Cremator

Considering the difficulties of small towns, villages to erect a fully fledged mechanical crematorium, we have introduced the mobile cremator. The mobile cremator can be stationed at a convenient place to the nearby small towns and villages in the periphery of few kilometers. When needed the vehicle containing the mobile cremator can be towed to the place where cremation is to be carried out. The mobile cremator vehicle will be fully equipped to carry out the cremation.

The Incinerator

We provide Chirantan Incinerators for incinerating harmful medical waste generated from hospitals, dispensaries, clinical laboratories etc. Chirantan incinerators are operated on Diesel /LPG /Natural Gas or Bio Methane Gas. Chirantan incinerator capacity varies from 50 Kgs/Hr to 150 Kgs/Hr.

The Central Pollution Control Board has made specific rules regarding incinerators, with 30 Meter tall chimney, 2 compartments and water scrubber. Chirantan incinerator is designed and manufactured strictly adhering to the CPCB norms.

Incinerators for Dead Animals (PET)

A replica of the incinerator is available for incinerating the dead animals. The incinerator can be operated by using Diesel /LPG /Natural Gas or Bio Methane Gas whichever is suitable. The capacity varies from 50 Kgs/Hr to 100 Kgs/Hr.

Mortuary Cabinets

We design and manufacture Chirantan Mortuary Cabinets as per the requirement for preserving dead human bodies in the hospital. These cabinets have provision for 2 or 3 compartments where dead bodies are preserved at 2⁰C temperature. These bodies can be stored in separate compartments of the Mortuary Cabinet whose inner side is made out of Stainless Steel. The cooling system is attached on the rear side of the Mortuary Cabinets to carry out maintenance and repairs easily. A stretcher is mounted on the stainless steel rollers inside the cabinet. This makes the job of loading and unloading the dead body easier.

Bio Methanation Gas Project

Chirantan Bio Gas projects are constructed by us for generating methane gas and fertilizers out of waste, milk products, food, fruits, vegetables and other bio degradable products which gets generated in municipal areas. By processing such waste scientifically we generate 350 to 700 cubic-meter of methane from 5 Metric tons to 10 Metric tons of waste per day. We also get good fertilizing materials of high grade as by product. Chirantan cremators, incinerators and Animal incinerator can work on this bio methane gas.

Other projects which we undertake

We undertake civil construction work such as mobile towers foundations, fabrication and galvanizing of mobile tower materials. We supply diesel generator sets of various capacities from 5 KVA to 250 KVA as OE. We undertake AMC contracts for the generators and also repairs of the generators.

We reserve the right of making technical modifications in Chirantan products without giving prior notice due to continuous R & D efforts.