

COMMITTED FOR GREENER TOMORROW...



KALYANI
Excellence. Guaranteed.



SAVE TREE SAVE EARTH

KALYANI ENTERPRISES

PIMPRI, PUNE 411018

9822060733

marketing@kalyanifurnaces.com

About Us...

Kalyani Enterprises was established in the year 1994 with a firm commitment to manufacture and supply various types of Cremation furnace, Incinerator, Air Pollution Control Systems

Our journey till date has been glorious and we are indeed proud to introduce ourselves to you as one of the leading manufacturers and suppliers of Electrical, Gas and Diesel fired furnaces. Our list of Furnaces includes Electric Cremation furnace, Gas fired Cremation furnace, and Diesel fired Cremation Furnace.

We undertake revamping, refitting of conventional refractory, brick lined furnaces to Advanced Thermal efficient insulation material which in term improves output and saves energy tremendously. Our Engineers at Kalyani Enterprises are dedicated and work round the clock to give superior products.

Our Services

KALYANI is largely concerned about the Hindu Cremation System. In traditional Hindu cremations, the body is placed atop a pile of wood. The corpse is then covered with more wood and burned in the open air. It takes a lot of wood to burn a body. This method requires as much as 600 Kgs. of wood to burn a single corpse, a process that can take as long as six hours. The demand for funeral pyres strips the country of more than 50 million trees annually, according to some estimates. Cremations also release carbon dioxide into the atmosphere. And the body parts sometimes dumped into rivers and streams add further toxicity to water that is already badly polluted.

The Reality.....

As per the statistics, the present Indian population is about 120 crores. The death rate is 11 per 1000. That is nearly 1, 10, 00,000 people die each year. Almost 66, 00,000 trees are cut every year for cremation. That amounts to nearly 30, 00,000 Metric Tons of wood or a forest cover of 5,500 hectors of land. Unfortunately, the tree plantation ratio is very low. This massive deforestation has disturbed the ecological balance. The traditional cremation gives out foul smell, ash, and smoke. One cremation on wood generates nearly 50 Kgs of ash. The smoke and the ash are the polluting agents that pollute air and water.

GAS-FIRED HUMAN CREMATION FURNACE

The LPG/PNG/PNG gas crematorium consists of a cremator- double chamber gas cremation furnace, air blowers, LPG/PNG/PNG gas burners, burner system, gas regulators, LPG/PNG gas pipelines, crematorium emissions control Equipment, control panel board.

The LPG/PNG gas cremation facts are as follows:-

1. To cremate a human body: LPG/PNG fuel required
2. Cremation ashes take out time: Within 3 hours from the completion of cremation.
3. Cremation time per body: 60 to 90 minutes.
4. The LPG/PNG gas cremation costs are cheap and affordable at all crematoriums compared to burial costs.



FEATURES OF GAS-FIRED FURNACE

- Dual Fuel Burner CNG/LPG
- MS self-supported Chimney 30.5 Mtr.
- Dual Chamber furnace.
- Automatic control panel
- Gas valve train with safety components
- Cylinder Bank with shade
- High Alumina fire brick lining for furnace long life
- Electro-Mechanical corpse carrier/Conveyor
- Vertical Stainless steel Scrubber unit.
- Centrifugal blower
- Environment friendly

Crematorium capacity	- 80-100 kg/hr.
Overall dimension	- 3.2 M (L) x 1.7 M (W) x 3.5 M (H)
Cremation chamber size.	- 2.4 M (L) x 1 M (W) x 1.1 (H) Appx.
Post Combustion	- 3.2 M (L) x 0.5 M (W) x 0.8 (H) Appx.
NO of chamber	- 2 Nos (Primary & Secondary)
No of Burner	- 3 Nos.
	- 2 Nos for Primary & 1 for Secondary.

ELECTRIC CUM GAS FIRED CREMATION FURNACE

The hybrid is our Super Duty Cremator. It features a super large primary chamber and a uniquely designed multi-faceted secondary chamber. The cremator has a chamber capacity of 200 Kgs. The average cremation time of human body is approximately 70 min. or less and can perform back to back cremations with no cool down between cremations. This is our most advanced, fully automated model manufactured. Customizable finishes available for each & every item.

FEATURES OF HYBRID FURNACE

- Dual Fuel CNG/LPG & Electric Heater
- Thyristorised Power Regulator for heater controller.
- MS self-supported Chimney 30.5 Mtr.
- Dual Chamber furnace.
- Automatic control panel
- Gas valve train with safety components
- Cylinder Bank with shade
- High Alumina fire brick lining for furnace long life
- Electro-Mechanical corpse carrier
- Vertical Stainless steel Scrubber unit.
- Centrifugal blower
- Environment friendly



Crematorium capacity

80-100 kg/hr.

Overall dimension

3.2 M (L) x 1.7 M (W) x 3.5 M (H)

Cremation chamber size.

2.4 M (L) x 1 M (W) x 1.1 (H) Appx.

Post Combustion

3.2 M (L) x 0.5 M (W) x 0.8 (H) Appx.

NO of chamber

2 Nos (Primary & Secondary)

No of Burner

1 No.

No. Of Heater

12 Nos Radiant heater with Tube

ELECTRIC CREMATION FURNACE

The electric crematorium consists of a cremator- double chamber electrical cremation furnace, fresh air blowers, and crematorium emissions control Equipment, control panel board, and other necessary crematorium Equipment.

The cremator has an ash pit to collect the cremation remains kept in a container.



Features of Electrical Human Cremation furnace

- Dual Zone Bundle Rod Heater with APM/NiCr Radiant Tube.
- MS self-supported Chimney 30.5 Mtr.
- Dual Chamber furnace.
- Automatic control panel
- Thyristorised power regulator Control panel
- Fresh Air Blower(FD) & Suction Blower (ID)
- High Alumina fire brick lining for furnace long life
- Hydraulic corpse carrier/Conveyor
- Vertical Stainless steel Scrubber unit.
- Low Maintenance downtime
- Environment friendly

Crematorium capacity

80-100 kg/hr.

Overall dimension

3.2 M (L) x 1.7 M (W) x 3.5 M (H)

Cremation chamber size.

2.4 M (L) x 1 M (W) x 1.1 (H) Appx.

Post Combustion

3.2 M (L) x 0.5 M (W) x 0.8 (H)

Appx.

NO of chamber

2 Nos (Primary & Secondary)

No of Heater

18 Nos. (9 Nos x 2 Zone)

Kw Rating

27 kW working & 27 kW spare Load

BIG ANIMAL CREMATION FURNACE

Type ELECTRIC/ GAS fired

Capacity 1500 Kgs. 200-250 Kgs/Hr. Burning Rate

Overall dimension of furnace.

3.95M (L) x 3.7 M (W) x 4 M (H) Appx.

Cremation chamber size.

3.2 M (L) x 2.7 (W) x 1.50 M (H) Appx.

Furnace structural

ISM-100 M.S. Channel framework covered with 5 mm thick MS sheets.

Heating Chamber

Dually Insulated with Alkali Resistant High Density Refractory Bricks/Blocks

Furnace charging door.

M.S. fabricated internally insulated with ceramic

Wool & provided with electrically & mechanically operating system.

Power system

3-phase/430 volts/ 50Hzs with neutral.

Operating load. 40 Kw capacity

Operating temperature.

650°C To 850°C, 1050°C Maximum permissible



SMALL ANIMAL CREMATION FURNACE

Type	ELECTRIC/Gas Fired
Furnace burning rating	40-50 Kgs per hour
Overall dimension of furnace.	2.2M (L) x 1.5M (W) x 2.2 M (H) Appx.
Cremation chamber size.	1.6 M (L) x0.9M (W) x 0.9 M (H) Appx.
Furnace structural	ISMC-75 M.S. Channel framework covered with 3mm thick CRCA M.S. sheets.
Furnace charging door.	M.S. fabricated internally insulated with ceramic wool and provided with an electrically and mechanically operating system.
Power system	3-phase/415 volts/50 Hz/s with neutral.
Operating load.	10KW normal
Operating temperature.	550°C.to800°C. 950 Deg. Maximum permissible.
Refractory bricks.	Conforming to IS-8 and Superior
Insulation bricks.	Conforming to IS-2042 and Superior
Combustion air blower.	Appx. 225 CFM centrifugal type provided with airflow control damper.
Exhaust air blower.	Appx. 600 CFM centrifugal type made out of 304 SS materials.



OUR CUSTOMER'S



and many more...

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