

Impact Assessment

Antim Prasthan

(Hiralal Parekh Parivar Charity Trust)

Corporate Social Responsibility Project by
Mahindra and Mahindra Ltd.

March 2023

Prepared by,
KPMG Assurance and consulting services LLP



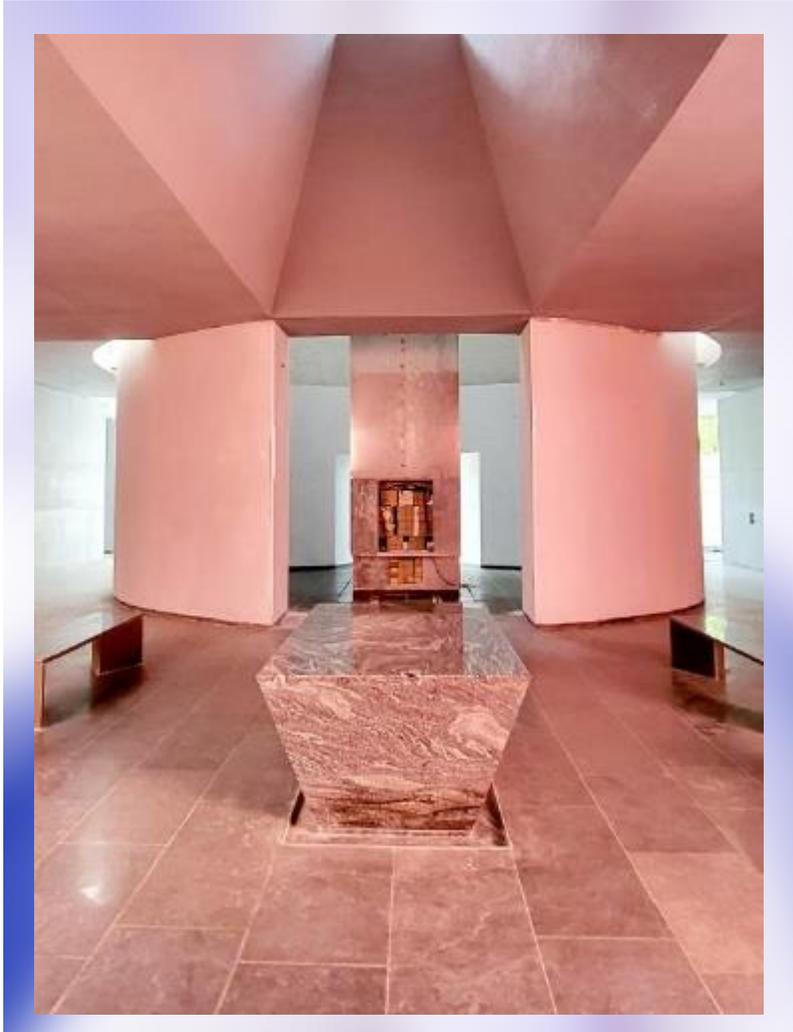


Table of Contents

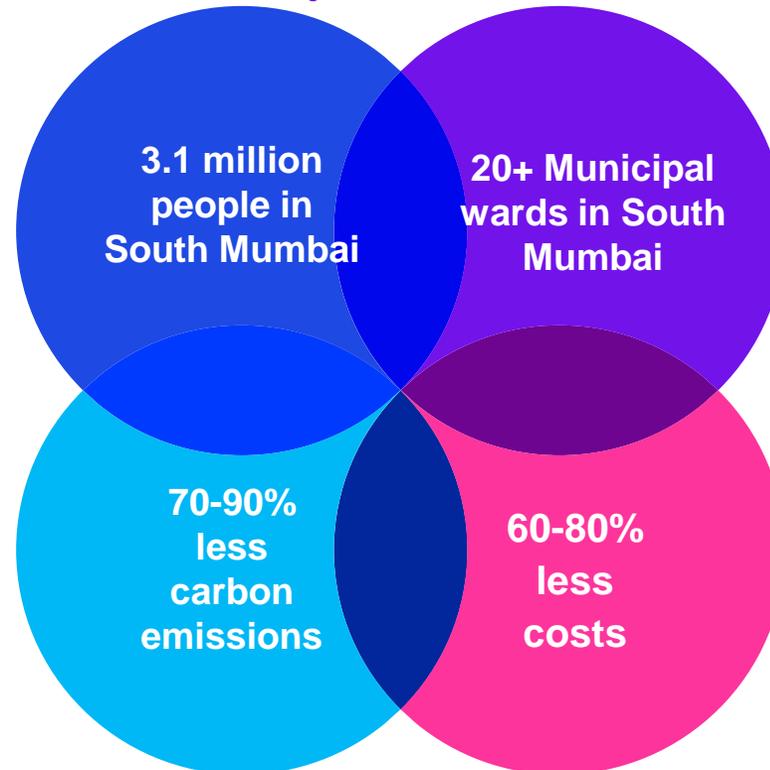
01	About the Project	3
02	Need for Project	4
03	Environmental Impact of the Project	5
04	Key Environmental Initiatives	6
05	IRECS Evaluation	7

About the Project

OBJECTIVE

- Creating a sustainable infrastructure that is functional through space, is experiential and environmentally responsible.
- To provide a respectful final journey for all deceased individuals, including those from economically disadvantaged sections of society.

Project Outreach



Need for Project

To keep pace with the growing need for cost effective practices in conducting last rites.

To provide a syncretic and pluralistic space for all communities to cremate their loved ones.

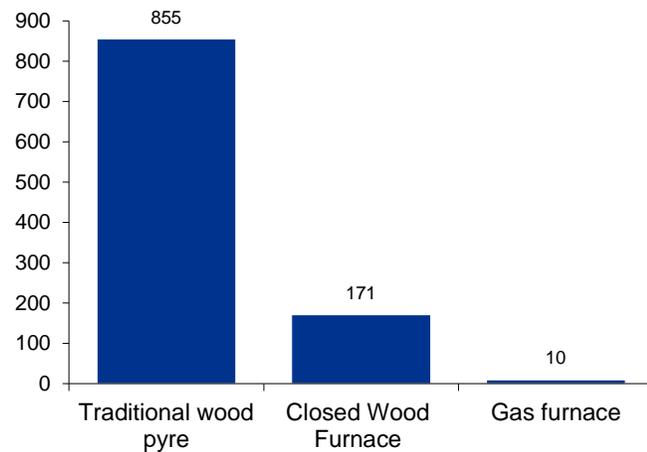
To supplement efforts in reducing net carbon emissions, especially in the funeral industry.

To boost infrastructure in the aftermath of an unforeseen global pandemic and mitigate possible pressures on crematoriums.

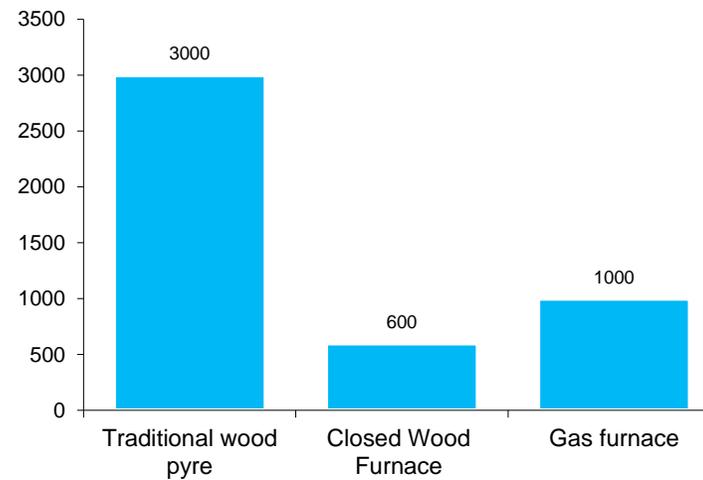
Environmental Impact of the project

Cremation Type	Carbon emissions	Cost of fuel per cremation	Time taken per cremation
Traditional wood pyre	855 kg/funeral	INR 3000	5 hrs
Closed wood furnace	171 kg/funeral	INR 600	2 hrs
Gas furnace	10 kg/funeral	INR 1000	1 hr

Carbon Emissions per kg per funeral



Cost of Fuel per cremation



Time taken per cremation



Key environmental initiatives

1

Clean Air: Mechanical ventilation and passive cooling system

2

Rainwater Harvesting: Installation of Rainwater Harvesting System

3

Conservation of Flora and Fauna: Over 3000 trees conserved. Green pathways, and landscaped gardens built.

4

Environment Responsibility Education: Altering public behavior of using open Wood Pyres for cremation through counselling by social workers.

5

Clean Energy: Solar Panels for producing clean energy installed.

6

Compost System: Conversion of large quantity of garland and flowers into manure.

7

New technologies: Closed wood pyre and Gas furnaces, installed and are currently functional.

IRECS Evaluation

The overall impact assessment findings may be mapped as per the criteria of the IRECS framework as follows:

Inclusiveness

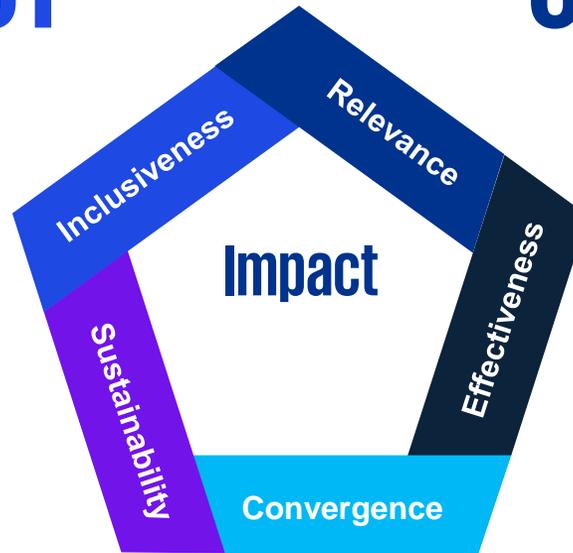
Antim Prasthan is for all those communities wherein the last remains are burnt making it accessible to all. The last rites services can be used by diverse sections of the community irrespective of their economic status.

01

02

Relevance

Antim Prasthan was relevant considering the need of community at large. The rejuvenation of Mata Ramabai Ambedkar Worli Samashan Bhumi meets the growing demand for a respectable and sustainable place to conduct the last rites.



Sustainability

Maintenance of the facility will be the responsibility of the Antim Prasthan team for a period of 5 years. Following that, the facility will be handed over to MCGM, for maintenance, upkeep. The project aims to, at minimum, use 210 kg less wood, cost Rs 2400 less, and emit 5 times less carbon emissions.

05

03

Effectiveness

Amidst the COVID-19 pandemic, the crematorium was designed keeping effectiveness in mind. This encompassed social distancing measures. The furnaces are also energy and time effective. Being economically affordable, they are a cost-effective option for all.

04

Convergence

Hiralal Parekh Parivar Charity Trust and MCGM signed a joint Memorandum of Understanding to redevelop Mata Ramabai Ambedkar Samashan Bhumi.

Thank You

Disclaimers:

- This report has been prepared in accordance with ISAE 3000 (Revised) assurance standards for Mahindra and Mahindra Ltd. ("Client") based on the terms of the Contracts ("Contract") executed between Mahindra and Mahindra Ltd. and KPMG Assurance and Consulting Services LLP ("KPMG" or "we").
- The performance of KPMG's services and the report issued to the Client are based on and subject to the terms of the Contract.
- This report sets forth our views based on the completeness and accuracy of the facts stated to KPMG and any assumptions that were included. If any of the facts and assumptions is not complete or accurate, it is imperative that we be informed accordingly, as the inaccuracy or incompleteness thereof could have a material effect on our conclusions.
- While performing the work, we assumed the genuineness of all signatures and the authenticity of all original documents. We have not independently verified the correctness or authenticity of the same.
- While information obtained from the public domain or external sources has not been verified for authenticity, accuracy or completeness, we have obtained information, as far as possible, from sources generally considered to be reliable. We assume no responsibility for such information.
- Performance of our work was based on information and explanations given to us by the Client. Neither KPMG nor any of its partners, directors or employees undertake responsibility in any way whatsoever to any person in respect of errors in this report, arising from incorrect information provided by the Client.
- Our report may make reference to 'KPMG Analysis'; this indicates only that we have (where specified) undertaken certain analytical activities on the underlying data to arrive at the information presented; we do not accept responsibility for the veracity of the underlying data.
- In accordance with its policy, KPMG advises that neither it nor any of its partner, director or employee undertakes any responsibility arising in any way whatsoever, to any person other than Client in respect of the matters dealt with in this report, including any errors or omissions therein, arising through negligence or otherwise, howsoever caused.
- In connection with our report or any part thereof, KPMG does not owe duty of care (whether in contract or in tort or under statute or otherwise) to any person or party to whom the report is circulated to and KPMG shall not be liable to any party who uses or relies on this report. KPMG thus disclaims all responsibility or liability for any costs, damages, losses, liabilities, expenses incurred by such third party arising out of or in connection with the report or any part thereof.
- By reading our report, the reader of the report shall be deemed to have accepted the terms mentioned hereinabove.