

PUNE CREMATORIA SURVEY

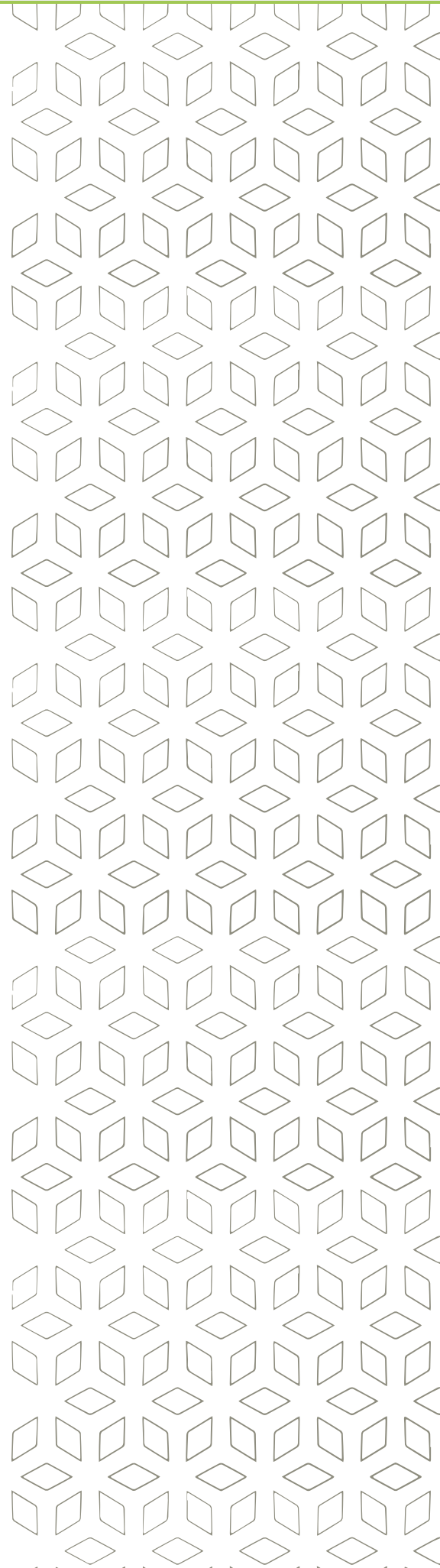
2022 - 2023



INTRODUCTION

The issue of air pollution from crematoria, especially around the oldest crematorium in Pune, Vaikunth has been in news and in citizens' discussion for a few years now. After the formation of the Pune Air Action Hub in 2022, which is a loosely held network of organisations and individual activists concerned about Pune's air quality, the issue of crematoria was the first to be taken up by the hub members. A meeting was organised to understand the issue, wherein citizen activist Vikrant Latkar elaborated on his struggle so far, living as a resident near the Vaikunth Crematorium and fully aware of the hazardous health impacts of the smoke it emits. Vikrant Latkar spoke about the fact that apart from people opting for wood burning over electric/gas cremations, Vaikunth also suffers from an overload due to it being the oldest and more preferred crematorium of people all over the city. The efficacy of the air pollution control systems was also questioned, as he himself has taken multiple footage of black smoke being emitted from the chimneys. Questions were raised as to whether it is true that no other well-equipped crematoria existed in Pune, and what facilities/amenities do people look for in a crematorium. MP Vandana Chavan also attended this meeting, and in the discussions that ensued, it was decided that members of the hub would conduct a survey to collect information on different aspects of some of the crematoria in Pune.

This survey was designed and undertaken to collect this base data, over which observations and action items can be based on.



METHODOLOGY

A list of existing crematoria was sought from the Pune Municipal Corporation's Health Department.

This list (Annexure item 1) included both crematoria and cemeteries, specifying the wards in which they were located. No other information, apart from this, was found with PMC. A survey questionnaire (Annexure item 2) was developed to record data related to location, facilities, and other information. The members of the Pune Air Action Hub surveyed 40 crematoria across 13 wards¹ and a few new merged villages. It was interesting to note that while an RTI response showed a total of 37 crematoria in the PMC boundary, another list obtained from PMC's Health department showed over 80 crematoria in the city. The survey questionnaire was filled by visiting each of these 40 crematoria with due permission (Annexure item 3) from the Health Department and the data collected was recorded and further analysed. Surveys were done from October 2022 to January 2023. An RTI application had also been filed to collect additional data from all crematoria in Pune. (Annexure item 4)



¹ The city is divided into 15 administrative wards

FINDINGS

Table 1: Ward- wise information on surveyed crematoria

Administrative ward	Number of crematoria surveyed	Electric	Gas
Dhole Patil Road	1	0	1
Aundh Baner	7	1	2
Kondhwa	4	1	2
Nagar Road	3	1	1
Wanowrie-Ramtekdi	2	0	1
New Integrated Villages	4	0	0
Yerawada	5	2	3
Ghole Road	4	1	2
Dhankawadi Sahakarnagar	5	0	2
Hadapsar	4	0	1
Kasba	1	1	1

Out of 40 crematoria surveyed, only 7 have the facility of electric cremation, and 16 crematoria have the facility of gas cremation.

For wood burning, which option is used?

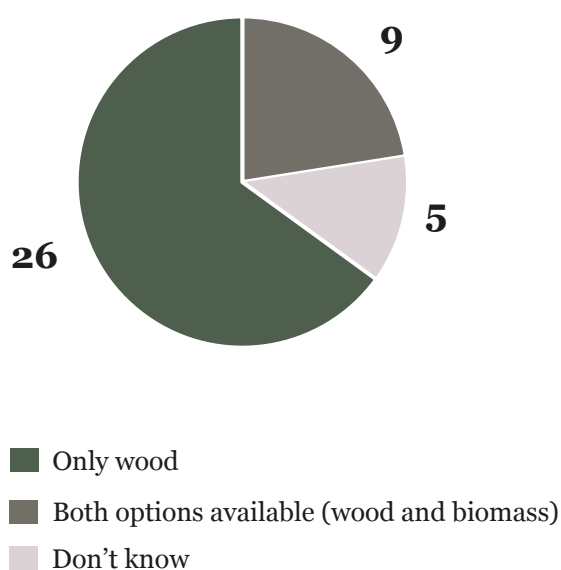


Table 2: Pune Crematoria - Incineration Facilities and Air Pollution Control systems

Name of the crematorium	Electoral Ward	Number of electric incinerators	How many have APCs?	Number of gas incinerators	How many have APCs?	Number of semi-open pyres	How many have APCs?	Number of open pyres
Aundh Samshan Bhumi	Aundh - Balewadi	0	NA	1	1	1	1	5
Balewadi Vaikuntha Bhumi	Aundh - Balewadi	0	0	0	0	0	0	4
Baner Samshan Bhumi	Aundh - Balewadi	1	1	0	0	0	0	3
Hindu Samshan Bhumi	Baner - Sus Mhalunge	0	NA	0	NA	0	NA	2
Ramtekdi Hindu Samshan Bhumi	Bheem Nagar -Ramtekdi	0	0	0	0	3	0	1
Bopodi Samshan Bhumi	Bopodi - Pune University	0	NA	1	1	1	1	4
Dhankawadi	Dhankawadi - Ambegaon Pathar	0	0	1	1	3	2	2
Katraj	Dhankawadi - Ambegaon Pathar	0	0	2	2	3	3	0
Gaymukh Samshan Bhumi	Dhankawadi - Ambegaon Pathar	0	0	0	0	0	0	2
Shiv Kailash Samshan Bhumi	Dhanori - Vishrantwadi	0	NA	1	1	3	3	6
Shivdham	Dhanori - Vishrantwadi	0	0	0	0	1	0	2
Kailash	Dhanori - Vishrantwadi	0	0	1	1	2	2	0
Dhanori Gawthan Samshan Bhumi	Dhanori - Vishrantwadi	0	0	0	0	0	0	4
Dinkar Patil Crematorium	Katraj - Gokul Nagar	0	NA	2	2	3	3	3
Kondhwa Budruk	Katraj - Gokul Nagar	0	0	0	NA	2	0	0

Name of the crematorium	Electoral Ward	Number of electric incinerators	How many have APCs?	Number of gas incinerators	How many have APCs?	Number of semi-open pyres	How many have APCs?	Number of open pyres
PMC Vaikunth Samshan Bhumi	Kharadi - Chandan Nagar	1	1	0	NA	3	3	3
Kharadi Salunke Vihar Gas Dahini	Kondhwa Budruk - Yeolewadi	0	0	2	0	2	0	0
Hadapsar Samshan Bhumi	Magarpatta - Sadhana Vidyalaya	0	0	2	0	6	0	1
Vaikunt Samshan Bhumi Shewlewadi	Manjri - Shewalwadi	0	0	0	0	0	0	2
Amardham Kaman side Crematorium	Manjri - Shewalwadi	0	0	0	0	0	0	4
Manjari-Kavdipat Crematorium	Manjri - Shewalwadi	0	0	0	0	0	0	3
Mundhwa-Keshavnagar Crematorium	Mundhwa - Ghorpadi	0	0	1	0	3	0	2
Lohegaon Wagholi Rd	New Integrated Villages	0	0	0	0	0	0	3
Harantale	New Integrated Villages	0	0	0	0	0	0	1
Rakhpasare Vasti	New Integrated Villages	0	0	0	0	0	0	2
Pawar Vasti Samshan Bhumi	New Integrated Villages	0	0	0	0	0	0	1
Pashan Samshan Bhumi	Pashan - Bavdhan Budruk	0	0	1	1	0	0	3
Someshhwar Samshan Bhumi	Pashan - Bavdhan Budruk	0	0	0	0	0	0	2
Sutarwadi Samshan Bhumi APC	Pashan - Bavdhan Budruk	0	NA	0	NA	2	1	0

Name of the crematorium	Electoral Ward	Number of electric incinerators	How many have APCs?	Number of gas incinerators	How many have APCs?	Number of semi-open pyres	How many have APCs?	Number of open pyres
Gangadham - Ganganagar	Phursungi	1	1	1	0	1	0	4
Vaikunth Crematorium Phursungi	Phursungi	1	Not aware	0	0	0	0	4
Vaikunth	Shaniwar Wada - Kasba Peth	3	3	1	1	20	16	13
Kailash Samshan Bhumi	Shivajinagar Gaothan - Sangamwadi	2	2	0	NA	6	NA	4
Bahiroba Pumping Station	Shivajinagar Gaothan - Sangamwadi	0	0	1	1	3	1	2
Sangamwadi	Shivajinagar Gaothan - Sangamwadi	0	0	0	0	0	0	2
Bibvewadi Haribhau Pokale	Upper Super Indira Nagarption 25	0	0	1	1	3	3	4
Vadgaonsheri Bhaktisagar sm.	Vadgaon Sheri	0	0	0	0	0	0	5
Vadgaonsheri Gas Dahini	Vadgaon Sheri	0	0	1	1	1	1	0
Wanawdi Samshan Bhoomi	Wanawadi - Kausar Baug	0	0	0	0	3	0	2
Amardham Samshan Bhumi	Yerawada	2	2	0	NA	6	2	1

All gas and electric cremation facilities have Air Pollution Control (APC) systems in place. Open pyres, which are most polluting and also more in number, have no APCs. The height of the chimneys for APCs is supposed to be 30 metres, and the Chief Electrical Engineer from PMC, who is responsible for maintaining these APCs claims all chimneys are 30 metres in height. Although it was not possible to measure the height of the chimneys, a few members who surveyed at different locations felt that chimney heights varied from place to place. PMC also informed that a monthly maintenance schedule is in place for APCs in the crematoria, however a document to that effect is yet to be found.



APC Chimney of 30 metres height as quoted by the attendant

For burning in open or semi open pyres, wood and biomass is used. Only one or two attendants mentioned the use of pellets/white coal earlier, but this practice did not sustain.



Semi open pyres with APC

Table 3: Facilities and services at the crematoria

Name of the crematorium	Electoral Ward	Space for rituals and pujas	Facility to call a priest	Rate the cleanliness from 1-5, 5 being cleanest	24-hour water supply	Clean toilet/s	Greenery/ Ambience	Stray dogs/ other nuisance issues	Presence of guards	Contact number available
Aundh Samshan Bhumi	Aundh - Balewadi	Yes	Yes	2	Yes	No	Yes	Yes	Yes	No
Balewadi Vaikuntha Bhumi	Aundh - Balewadi	Yes	Yes	5	Yes	Yes	Yes	No	Yes	No
Baner Samshan Bhumi	Aundh - Balewadi	Yes	Yes	5	Yes	Yes	Yes	No	Yes	No
Hindu Samshan Bhumi	Baner - Sus Mhalunge	Yes	Yes	5	Yes	Yes	No	No	Yes	No
Ramtekdi Hindu Samshan Bhumi	Bheem Nagar -Ramtekdi	Yes	Yes	3	Yes	Yes	Yes	No	Yes	No
Bopodi Samshan Bhumi	Bopodi - Pune University	Yes	Yes	4	Yes	Yes	Yes	No	Yes	No
Dhankawadi	Dhankawadi - Ambegaon Pathar	Yes	Yes	3	Yes	Yes	No	No	Yes	No
Katraj	Dhankawadi - Ambegaon Pathar	Yes	Yes	5	Yes	Yes	Yes	No	Yes	No
Gaymukh Samshan Bhumi	Dhankawadi - Ambegaon Pathar	Yes	Yes	3	Don't know	Don't know	No	No	No	No
Shiv Kailash Samshan Bhumi	Dhanori - Vishrantwadi	Yes	No	4	Yes	No	Yes	No	Yes	Yes
Shivdham	Dhanori - Vishrantwadi	Yes	Yes	3	Yes	No	Yes	No	Yes	No
Kailash	Dhanori - Vishrantwadi	Yes	No	5	Yes	No	Yes	No	Yes	Yes
Dhanori Gawthan Samshan Bhoomi	Dhanori - Vishrantwadi	Yes	No	1	No	No	No	Don't know	No	No
Dinkar Patil Crematorium	Katraj - Gokul Nagar	Yes	No	4	Yes	No	Yes	No	Yes	No
Kondhwa Budruk	Katraj - Gokul Nagar	Yes	Don't know	3	Don't know	No	No	Don't know	No	NA
PMC Vaikunth Samshan Bhumi Kharadi	Kharadi - Chandan Nagar Kondhwa	Yes	Yes	4	No	No	Yes	No	Yes	Yes

Name of the crematorium	Electoral Ward	Space for rituals and pujas	Facility to call a priest	Rate the cleanliness from 1-5, 5 being cleanest	24-hour water supply	Clean toilet/s	Greenery/ Ambience	Stray dogs/ other nuisance issues	Presence of guards	Contact number available
SalunkeVihar Gas Dahini	Kondhwa Budruk - Yeolewadi	Yes	Yes	4	Yes	Yes	Yes	No	Yes	Yes
Hadapsar Samshan Bhumi	Magarpatta - Sadhana Vidyalaya	Yes	Yes	5	Yes	Yes	Yes	No	Yes	Yes
Vaikunt Samshan Bhumi Shewlewadi	Manjri - Shewalwadi	Yes	Yes	3	No	No	Yes	No	No	Yes
Amardham Kaman side Crematorium	Manjri - Shewalwadi	Yes	Yes	4	Yes	Yes	Yes	Yes	No	Yes
Manjari-Kavdipat Crematorium	Manjri - Shewalwadi	Yes	Yes	3	Yes	No	Yes	Don't know	No	Yes
Mundhwa-Keshav Nagar Crematorium	Mundhwa - Ghorpadi	Yes	Yes	4	Yes	Yes	Yes	No	Yes	Yes
Lohegaon Wagholi Rd	New Integrated Villages	Yes	No	2	Yes	No	No	No	No	No
Harantale	New Integrated Villages	Yes	No	2	No	No	No	No	No	No
Rakhpasare Vasti	New Integrated Villages	Yes	No	1	No	No	No	No	No	No
Pawar Vasti Samshan Bhoomi	New Integrated Villages	Yes	No	2	No	No	No	No	No	No
Pashan Samshan Bhumi	Pashan - Bavdhan Budruk	Yes	Yes	3	Yes	Yes	Yes	No	Yes	No
Someshhwar Samshan Bhoomi	Pashan - Bavdhan Budruk	No	Don't know	1	No	No	No	No	No	No
Sutarwadi Smashanbhumi APC	Pashan - Bavdhan Budruk	Yes	Yes	2	Don't know	Don't know	Yes	No	No	No
Gangadham – Ganganagar	Phursungi	Yes	Yes	4	Yes	Yes	Yes	Yes	Yes	Yes

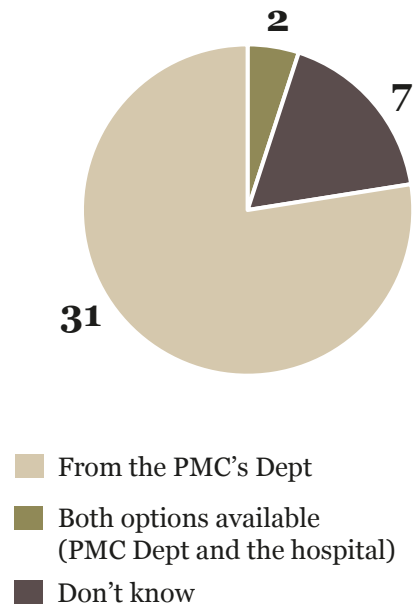
Name of the crematorium	Electoral Ward	Space for rituals and pujas	Facility to call a priest	Rate the cleanliness from 1-5, 5 being cleanest	24-hour water supply	Clean toilet/s	Greenery/ Ambience	Stray dogs/ other nuisance issues	Presence of guards	Contact number available
Vaikunt Crematorium Phursungi	Phursungi	Yes	Yes	4	No	No	Yes	Don't know	No	Yes
Vaikunth	Shaniwar Wada - Kasba Peth	Yes	Yes	4	Yes	Yes	Yes	Yes	Yes	No
Kailash Samshan Bhumi	Shivajinagar Gaothan - Sangamwadi	Yes	Yes	5	Yes	No	Yes	Yes	Yes	No
Bahiroba Pumping Station	Shivajinagar Gaothan - Sangamwadi	Yes	No	3	Yes	No	Yes	Yes	Yes	No
Sangamwadi	Shivajinagar Gaothan - Sangamwadi	Yes	No	2	No	No	No	No	Yes	No
Bibvewadi Haribhau Pokale	Upper Super Indira Nagarption 25	No	Yes	2	Yes	Yes	Yes	Don't know	Yes	No
Vadgaonsheri Bhaktisagar sm.	Vadgaon Sheri	Yes	No	4	Yes	Yes	Yes	No	Yes	No
Vadgaonsheri Gas Dahini	Vadgaon Sheri	No	Yes	2	Yes	Don't know	Ok	No	Yes	No
Wanawdi Samshan Bhoomi	Wanawadi - Kausar Baug	Yes	Yes	3	Yes	Yes	Yes	No	Yes	Yes
Amardham Samshan Bhumi	Yerawada	Yes	No	5	Yes	Yes	Yes	No	Yes	No

Most of the crematoria were found to be clean and green. Those that were found to be unclean were often a bit out of service, dusty and not maintained.



Trees and open space at Yerawada Crematorium

Where are the death passes available?



While most of the crematoria had 24-hour water supply, clean and functional toilets weren't found to be there everywhere. It was also observed that women's toilets were mostly unclean, while men's toilets were in a better condition. This could be because no women staff was found at any of the crematoria and generally according to Hindu rituals, women do not attend funerals.



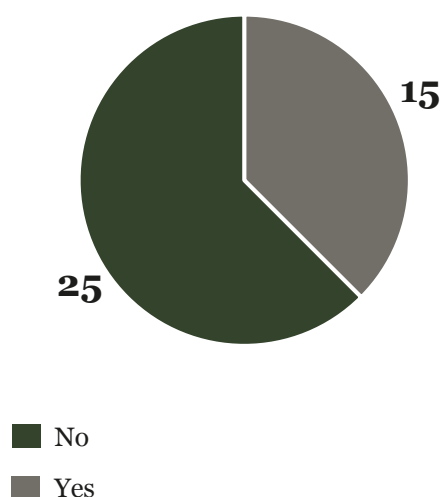
Women's toilet at Wanowrie Crematorium

Most crematoria had a space to conduct rituals related to death and also had priests on call. However, it was observed that most people brought their own priests.

There were two crematoria where there was only one PMC appointed person manning the crematoria till 6 pm. When asked what happens if there is a cremation to be conducted after 6 pm, the person said that the citizens bring their own material and carry out the cremation themselves.

It was observed that most crematoria had no contact information as such. On asking why not, a few crematoria in charge said this was on purpose as it becomes an added task for them to answer queries, insisting that it isn't required. Wherever contact numbers were found, they were written on walls or office doors, mostly without names.

Is there a telephone number to this site?



Contact information written randomly on office doors.

ACTION ITEMS FROM SURVEY OBSERVATIONS

1. Crematoria Information in Public Domain

Need to map existing crematoria with information on available facilities – gas, electric and open cremation pyres available. It was also difficult to find some of the crematoria only based on name and ward name, especially in the newly added villages. Contact numbers of crematoria should also be added to this database. This information should be available on the PMC website and also easily accessible on Google.

2. Services at the Crematoria

Basic facilities like water, clean toilets need to be ensured in all crematoria.

3. Increasing the share of electric and gas cremations over wood burning

Electric and gas cremation options are very limited. This number needs to be increased, along with a plan to have electric/gas facilities at all crematoria in Pune.

Efforts need to be made to bring about a shift in people's preference to electric/gas over wood burning. This means creating mass awareness about the environmental impact of wood burning, complimented by options of gas and electric cremation in more crematoria. Information about the hazards of wood burning can be disseminated strategically at hospitals, ward offices where death passes are collected. Opting for gas/ electric cremation should be incentivised.

4. Decentralisation of outreach and information related to crematoria

At ward level, corporators/ ward officers should take responsibility to disseminate information about crematoria in their ward, facilities present and appeal citizens to avail the services in the same ward if possible. A similar survey of all crematoria can be undertaken to rate them on different aspects.

It also makes sense for citizens of ward availing cremation at nearby crematorium in the same ward. The typical problem experienced by Vaikunth in Pune can be handled if there is a system/ guidelines to ensure that no one crematorium gets more load. This system can be based on the rationing of death passes given by PMC or having a cap on how many cremations can be done at one crematorium in a day.

5. Citizen feedback for betterment of crematoria services

It was also observed that while it is expected that citizens living in an area should prefer to go to a crematorium near them, many deciding factors affect this preference like the area surrounding the crematoria, approach road, preferences of ambulances and so on. These can be studied through feedback surveys from citizens and improvements can be made based on the responses.

6. Need for guidelines in crematoria operations

- ❖ In terms of pollution, open pyres which are most polluting do not have APCs. There have also been efforts in other cities to address emissions through use of alternatives like white coal/ briquettes. White coal is a form of fuel produced by drying chopped wood/biomass over fire. It is also called biomass briquette. It produces more heat than green wood but less than charcoal. Some advantages of white coal are its high thermal value, lower ash content, uniform combustion, no sulphur emissions and the fact that it can be made from agricultural residue². However, any decisive data on how it compares to emissions by burning wood and biomass is not yet available. Disincentivising use of wood burning needs to be explored.

² <http://www.sustainapedia.com/production-white-coal-agricultural-waste/#:~:text=Advantages%20of%20White%20Coal,value%20in%20a%20better%20way>.

- ❖ Chimney heights of APCs, though assured to be 30 metres throughout the city, need to be higher, as the height of residential buildings around is now increasing.
- ❖ Capacity of electric furnaces is 70 kg, bodies weighing more cause the system to malfunction and create pollution. Norms/guidelines to address this concern are required.
- ❖ MPCB has recommended the use of water based electrostatic scrubbers for APCs, which require less maintenance and are more efficient than the currently used dry scrubbers. A chimney cap/ membrane which will further help reduce particles released from the chimneys were introduced at some crematoria, but no data on its use and efficacy is available. We need to also pay attention to how the soot gathered in these chimneys is being disposed of.
- ❖ Air quality monitoring norms need to be developed for crematoria, especially considering the residential area around them. Stack monitoring of the APC chimneys will help keep a check on pollutants from the APCs. However, considering that APCs are not available for all existing pyres, norms for monitors in the vicinity of the crematoria need to be developed. These will include the type of monitors, location of these monitors, reading these monitors in relation to the ambient air quality monitor data among other things.

ANNEXURE

1. List of Crematoria in Pune

परिमंडळ क्र.१

क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमी/दफनभूमी नाव
टोले पाटील-क्षेत्रीय कार्यालय प्रभाग क्र.२०	1 वैप्लास स्मशानभूमी ✓
	इन-आम मुस्लिम स्मशानभूमी
	खिचन स्मशानभूमी
	गोसावी दशनाम संस्था दफनभूमी ✗
	सिटीचर्च कब्रस्तान, नाना पेठ, माणिकनाला
	मानुषा मस्जिद, ४८२ नाना पेठ
	दुल्हा दुल्हन कब्रस्थान १०३५/४०, नवीन नाना पेठ
प्रभाग क्र.२१	बर्निंगघाटरोड लिंगायत दफनभूमी, कोरेगाव पार्क ✗
	2 बहिरोबा पंपिंग स्टेशन स्मशानभूमी, कोरेगाव पार्क
	3 बहिरोबा पंपिंग स्टेशन तमिळ स्मशानभूमी, कोरेगाव पार्क
येरवडा कळस धानोरी क्षेत्रीय कार्यालय	4 धानोरी गावठाण स्मशान भूमी
	5 शिवधाम स्मशानभूमी
	6 शिवकैलास स्मशानभूमी
	7 विश्रालवाडी गॅस दाहिनी
	8 येरवडा हिंदू स्मशानभूमी
नगररोड क्षेत्रीय कार्यालय	9 खराडी गाव स्मशानभूमी /
	10 हिंदू भक्तीसागर स्मशानभूमी वडगाव शेरी
	हिंदू लिंगायत दफनभूमी वडगाव शेरी ✗
	खिचन दफनभूमी वडगांवशेरी ✗
	मुस्लिम दफनभूमी वडगांवशेरी ✗
	11 गॅस दाहिनी वडगांवशेरी
	12 विद्युत दाहिनी गुंजन चौक येरवडा
	खिचन दफनभूमी येरवडा ✗
	मुस्लिम दफनभूमी येरवडा ✗
नवीन समाविष्ट गावे स्मशानभूमी	13 लोहगाव, वाघोली रोड
	14 राखपसरे वस्ती
	15 पकार वस्ती स्मशानभूमी
	16 हरणतळे स्मशानभूमी
	17 वडगाव रोड स्मशानभूमी
	18 वाघोली, दलित स्मशानभूमी
	19 वाघोली, वाघेरवर स्मशानभूमी
	वाघोली, मुस्लिम दफनभूमी ✗

परिमंडळ क्र.२

क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमीचे नाव
घोले रोड क्षेत्रीय कार्यालय प्रभाग क्र.७ 20	संगमवाडी स्मशानभूमी
कोथरुड क्षेत्रीय कार्यालय	21 शास्त्रीनगर हिंदू स्मशानभूमी

①

	शास्त्रीनगर दफनभूमी	×
22	वैकुंठ स्मशानभूमी बावधन बु.	
	दफनभूमी बावधन बु.	
औंध बाणेर क्षेत्रीय कार्यालय	23	बोपोडी स्मशानभूमी
	44	औंधगाव स्मशानभूमी/दफनभूमी
	45	बाणेर स्मशानभूमी/दफनभूमी
	46	बालेवाडी स्मशानभूमी/दफनभूमी
	47	पाषाण स्मशानभूमी/दफनभूमी
	48	सुतारवाडी स्मशानभूमी/दफनभूमी
	24	सोमेश्वरवाडी स्मशानभूमी
नवीन समाविष्ट गावे स्मशानभूमी	25	सुसगाव स्मशानभूमी
		अमरधाम स्मशानभूमी, म्हाळुंगे गाव

परिमंडळ क्र. 3

क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमीचे नाव
धनकवडी सहकारनगर क्षेत्रीय कार्यालय	शांतीधाम-धनकवडी स्मशानभूमी
26	काचज दफनभूमी ✕
27	आंबेगाव बु. गायमुख स्मशानभूमी
	आंबेगाव खुर्द
सिंहगड क्षेत्रीय कार्यालय	समाविष्ट धायरी गाव स्मशानभूमी
	वडगाव स्मशानभूमी
28	विठ्ठलवाडी स्मशानभूमी
	निगायत दफनभूमी ✕
	मुस्लिम दफनभूमी ✕
नवीन समाविष्ट गावे स्मशानभूमी	न-हं स्मशानभूमी
	नांदेड स्मशानभूमी
	नांदोरी स्मशानभूमी क्र 1
	नांदोरी स्मशानभूमी क्र 2
	किरकटवाडी स्मशानभूमी
	खडकवासावा स्मशानभूमी
वारजे कर्वेनगर क्षेत्रीय कार्यालय	29 कर्वेनगर स्मशानभूमी
30	वारजे स्मशानभूमी
	वारजे दफनभूमी ✕
नवीन समाविष्ट स्मशानभूमी/दफनभूमी	कर्वेदे धाडवे स्मशानभूमी
	कर्वेदे धाडवे दफनभूमी ✕
	कोपरे स्मशानभूमी
	शिबणे स्मशानभूमी
	उत्तमनगर स्मशानभूमी
	उत्तमनगर दफनभूमी ✕

संलग्नक क्र. ४

क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमीचे नाव
वानवडी-कोंढवा रामटेकडी क्षेत्रीय कार्यालय	रामटेकडी मुस्लिम दफनभूमी ✕
31	रामटेकडी हिंदू स्मशान भूमी
	रामटेकडी हिंदू दफनभूमी ✕
32	वानवडी स्मशानभूमी
33	विद्युत दाहिनी
	नुरानी कब्रस्तान ✕
हडपसर मुंडवा क्षेत्रीय कार्यालय	34 मुंडवा स्मशानभूमी
	मुंडवा लिंगायत स्मशानभूमी
	अमरधाम स्मशानभूमी
	अमरधाम दफनभूमी ✕
35	गोधलेनगर स्मशानभूमी
	महमंदवाडी स्मशानभूमी
	महमंदवाडी दफनभूमी ✕
	देविदास काटे स्मशानभूमी
	राहत बाग दफनभूमी ✕
नवीन समाविष्ट स्मशानभूमी/दफनभूमी	देवाची उरुळी स्मशानभूमी
	देवाची उरुळी दफनभूमी ✕
	मंतरवाडी स्मशानभूमी
	चंदवाडी पुरसुंगी
36	पुरसुंगी हिंदू स्मशानभूमी
	पुरसुंगी मुस्लिम दफनभूमी ✕
	केशवनगर हिंदू स्मशानभूमी
	केशवनगर लिंगायत दफनभूमी ✕
	केशवनगर खिस्ती दफन भूमी ✕
	केशवनगर मुस्लिम दफनभूमी ✕
	गंगानगर पुरसुंगी
क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमीचे नाव
	साडेसतरानळी
37	मांजरी स्मशानभूमी नदीच्या शेजारी
	मांजरी लिंगायत दफनभूमी ✕
	मांजरी दफनभूमी ✕
	मांजरी गाव ह्याक उत्पादन केंद्र सोलापूर रोड स्मशानभूमी
	औताडेवाडी स्मशानभूमी
	हाडेवाडी स्मशानभूमी
	होळकरवाडी गावठाण स्म.भूमी
38	शेवाळेवाडी स्मशानभूमी
कोंढवा येवलेवाडी क्षे. कार्यालय	काबज स्मशानभूमी
	काबज मुस्लिम दफनभूमी ✕
	कोंढवा बु. स्मशानभूमी

	गोधलेनगर स्मशानभूमी
39	महमदवाडी स्मशानभूमी
	महमदवाडी दफनभूमी ×
	देविदास कवटे स्मशानभूमी
	रोहत बाग दफनभूमी ×
नवीन समाविष्ट स्मशानभूमी/दफनभूमी	देवाची उरुळी स्मशानभूमी
	देवाची उरुळी दफनभूमी ×
	मंतरवाडी स्मशानभूमी
	चंदवाडी फुलसुंगी
	फुलसुंगी हिंदू स्मशानभूमी
	फुलसुंगी मुस्लिम दफनभूमी ×
	केशवनगर हिंदू स्मशानभूमी
	केशवनगर लिगावत दफनभूमी ×
	केशवनगर खिस्ती दफन भूमी ×
	केशवनगर मुस्लिम दफनभूमी ×
	मंगानगर फुलसुंगी
क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमीचे नाव
	गाडेसतरानळी
	मांजरी स्मशानभूमी नदीच्या शेजारी
	मांजरी लिगावत दफनभूमी × Repeated
	मांजरी दफनभूमी × above.
	मांजरी गाव द्वाक्रे उत्पादन केंद्र सोलापूर रोड स्मशानभूमी
	औताडेवाडी स्मशानभूमी
	हांडेवाडी स्मशानभूमी
	होळकरवाडी गावठाण स्म.भूमी
	शेवाळेवाडी स्मशानभूमी
कौडवा येवलेवाडी क्षेत्रीय कार्यालय	कावज स्मशानभूमी
	कावज मुस्लिम दफनभूमी ×
	कौडवा बु. स्मशानभूमी
	कौडवा बु. मुस्लिम दफनभूमी ×
नवीन समाविष्ट स्मशानभूमी/दफनभूमी नाव	येवलेवाडी स्मशानभूमी
	येवलेवाडी मुस्लिम दफनभूमी ×
40	उंडी गाव स्मशानभूमी
41	चिसोळी स्मशानभूमी
	वडाची वाडी स्मशानभूमी

परिमंडळ क्र. ५

क्षेत्रीय कार्यालयाचे नाव	स्मशानभूमीचे नाव
करबा विश्रामबागवाडा क्षेत्रीय कार्यालय 42	वैकुंठ स्मशानभूमी
	ठासर पागा
भवाजी पेठ क्षेत्रीय कार्यालय	दफनभूमी ×
	मुस्लिम दफनभूमी ×
	लिगावत दफनभूमी ×
बिबवेवाडी क्षेत्रीय कार्यालय	बाग रोहमत मुस्लिम दफनभूमी, सलेबरी पार्क. ×
43	कै. हरिभाऊ फोकळे स्मशानभूमी

2. Questionnaire

Name of the Crematorium: _____

Address: _____

Location: _____

Ward name: _____

On Site Observations:

ELECTRIC

- How many incinerators are there? _____
- How many have APC (Air Pollution Control systems) _____

GAS

- How many incinerators are there? _____
- How many are in working condition? _____
- How many have APC (Air Pollution Control systems) _____

Wood Pyres (SEMI- OPEN)

- How many pyres are there? _____
- How many are operational? _____
- How many have APC (Air Pollution Control systems) _____

Wood Pyres (OPEN)

- How many open pyres are there? _____
- How many are operational? _____
- For wood burning, which option is used?
 - ☐ Only wood
 - ☐ Only biomass pellets / white coal
 - ☐ Both options available
 - ☐ Don't know
- Where are the death passes available?
 - ☐ At the cremation site itself
 - ☐ From the PMC's dept
 - ☐ Both
 - ☐ Don't know
- Is there any monitoring system present near the site (AQ sensors)
 - ☐ Yes
 - ☐ No
 - ☐ Don't know
- If your answer is 'Yes' to the above question, please mention where the AQ sensor is located.

- Is there any space available to carry out rituals and pujas? (Add any observation, if needed)

- Is there a facility to call a priest to conduct the rituals? (Add info like available on all days, certain days of the week, or any other relevant facts)

- Is the cremation area as well as the surroundings kept clean? Rate the cleanliness from 1 to 5 (5 being the cleanest)

Very unclean / dirty 1 2 3 4 5 Clean and very pleasant

- Is there a 24-hour water supply?

☐ Yes

☐ No

☐ Don't know

- Are there clean and functional toilet/s?

☐ Yes

☐ No

☐ Don't know

- Is there enough greenery around and did you find the surroundings pleasant?

- Are there stray dogs or any other nuisance issues?

- Are there guards or presence of any other staff?

- Is there a telephone number to this site? Please add it here.

- Where is this number published? (How are people to know of this number?)

- Please try calling the number. Was it answered?

☐ Yes

☐ No

- If there is a cremation going on, see if it is possible to have a word with any of the relatives / friends and ask them if they have any issues with the facility. They can comment on any of the questions we have listed above, or if they have any other comments to make.

- Please take photos wherever possible and upload them here. Photos should try to cover different aspects like the cremation area, the furnaces, if any excessive smoke is seen, the surroundings, if any part is unkempt / dirty, etc.

Name of surveyor: _____

Organisation: _____

Date: _____

Time: _____

Additional Feedback

3. Information received from RTI



श्रीमती शर्मिला देव
सिनियर प्रोग्रॅम असोसिएट
परिसर, यमुना, आय.सी.एस कॉलनी,
गणेशखिंड रोड, पुणे - ४११००७.



पर्यावरण विभाग,
पुणे महानगरपालिका,
जाचक क्र. १०६९/२०२२-२३
दिनांक : १८/१०/२०२२

यांस...

विषय - वैकुंठ स्मशानभूमी येथे हवा प्रदूषण बाबत सर्वेक्षण करणे
संदर्भ - आपले जा.क्र. परि/२४/ई.एम/२२ दि. १४.१०.२०२२ चे पत्र

महोदय,

पुणे शहरातील हवा प्रदूषण या विषयावर आपली स्वयंसेवी संस्था काम करीत असून आपलेकडील बैठकीमध्ये आपण कळविल्यानुसार मा.खासदार सी. वंदना चव्हाण यांनी स्मशानभूमीच्या हवेची गुणवत्ता संबंधित सर्वेक्षण करणेबाबत सुचविले होते.

आपल्या संस्थाचे स्वयंसेवक विविध स्मशानभूमीतील सुविधा व तेथील अडचणी याबाबतचे सर्वेक्षण दि. १ नोव्हेंबर २०२२ पासून एक महिन्याच्या कालावधीसाठी करणार आहेत. यामध्ये स्मशानभूमीतील सेवकांसोबत संवाद साधणार आहेत. या विषयावर केलेल्या सर्वेक्षणाचा रिपोर्ट पुणे महानगरपालिकेस दिल्यास त्या आधारे स्मशानभूमीमध्ये नागरिकांच्या हितासाठी योग्य सुधारणा करणेबाबत विचार केला जाईल.

सदरचे सर्वेक्षण आपल्या संस्थेतर्फे पूर्णतः स्वच्छेने पुणे महानगरपालिकेस कोणतेही अर्थिक देय न घेता स्वयंसेवी पद्धतीने करण्यात येणार, या धर्तीवर करणेस आपल्याला दि. १ नोव्हेंबर २०२२ पासून एक महिन्याच्या कालावधीसाठी सर्वेक्षणाची परवानगी देण्यात येत आहे.

कळावे.



(मंगेश दिघे)
पर्यावरण संवर्धन अधिकारी
पुणे महानगरपालिका

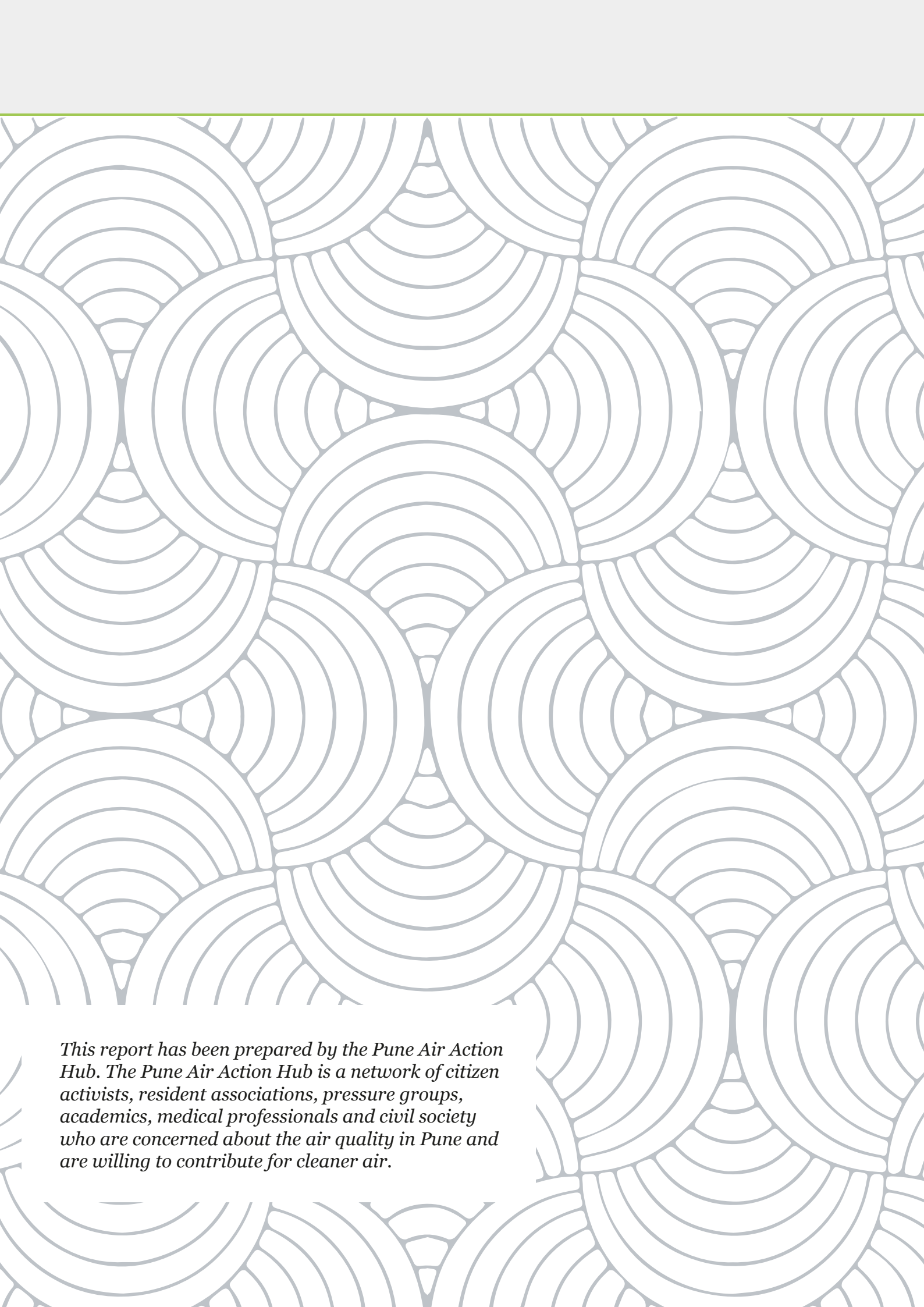


(मानव जगताप)
उप आयुक्त, पर्यावरण
पुणे महानगरपालिका

4. Permission letter from Health Department

विद्युत विभाग - अभियंता अधिकारी / सेवक		
अ.क्र.	परिमंडळ क्र.	क्षेत्रिय कार्यालयाचे नाव
१	१	नगररोड क्षेत्रिय कार्यालय
२	१	येरवडा कळस धानोरी क्षेत्रिय कार्यालय
३	१	ढोले पाटील क्षेत्रिय कार्यालय
४	२	औंध बाणेर क्षेत्रिय कार्यालय
५	२	शिवाजीनगर घोलेरोड क्षेत्रिय कार्यालय
६	२	कोथरुड क्षेत्रिय कार्यालय
७	३	धनकवडी सहकारनगर क्षेत्रिय कार्यालय
८	३	सिंहगड रोड क्षेत्रिय कार्यालय
९	३	वारजे क्षेत्रिय कार्यालय
१०	४	हडपसर मुंडवा क्षेत्रिय कार्यालय
११	४	वानवडी क्षेत्रिय कार्यालय
१२	४	कोंढवा-येवलेवाडी क्षेत्रिय कार्यालय
१३	५	कसबा विश्रामबागवाडा क्षेत्रिय कार्यालय
१४	५	भवानीपेठ क्षेत्रिय कार्यालय
१५	५	बिबवेवाडी क्षेत्रिय कार्यालय

विद्युत विभाग - स्मशानभूमी यादी							
अ.क्र.	परिमंडळ क्र.	शवदाहनाचे ठिकाण	विद्युत	गॅस	विद्युत +गॅस	ए.पी.सी (APC System)	पावर
१	१	बेरवडा स्मशानभूमी	२	-	-	२ रोड मध्ये	६
२	१	विश्रांतवाडी स्मशानभूमी	-	१	-	१ रोड मध्ये	३
३	१	कोरेगाव पार्क स्मशानभूमी	-	१	-	१ रोड मध्ये	३
४	१	बडगाव शेरी स्मशानभूमी	-	१	-	-	-
५	१	खराडी स्मशानभूमी	१	-	-	१ रोड मध्ये	३
६	१	हुलसीराव बर्मिंग घाट स्मशानभूमी	-	-	-	१ रोड मध्ये	३
७	१	कैलास स्मशानभूमी	२	-	-	२ रोड मध्ये	६
८	२	संगमवाडी	-	-	-	१ रोड मध्ये	१
९	२	कोयकूड स्मशानभूमी	१	-	-	१ रोड मध्ये	३
१०	२	बोरोडी स्मशानभूमी	-	१	-	-	-
११	२	औंध स्मशानभूमी	-	१	-	-	-
१२	२	पाबाण स्मशानभूमी	-	१	-	-	-
१३	२	सुतारवाडी स्मशानभूमी	-	-	-	१ रोड मध्ये	२
१४	२	बाणेर स्मशानभूमी	१	-	-	-	-
१५	३	बडगाव धायरी स्मशानभूमी	-	१	-	१ रोड मध्ये	३
१६	३	धनकवडी स्मशानभूमी	-	१	-	१ रोड मध्ये	३
१७	३	कात्रज स्मशानभूमी	-	२	-	१ रोड मध्ये	३
१८	४	हडपसर स्मशानभूमी	-	१	-	२ रोड मध्ये	३
१९	४	वानवडी स्मशानभूमी	-	१	-	१ रोड मध्ये	३
२०	४	मुंडवा स्मशानभूमी	-	१	-	१ रोड मध्ये	३
२१	४	कोडवा खुर्द APC System	-	-	-	१ रोड मध्ये	३
२२	४	गंगानगर हडपसर	-	-	१	-	-
२३	५	वैकट स्मशानभूमी	३	१	-	४ रोड मध्ये	२४
२४	५	थिबळेवाडी स्मशानभूमी	-	१	-	२ रोड मध्ये	७
एकूण			१०	१५	१	२५ रोड मध्ये	८२
			*****10+15+ 1 = 26*****				
प्राण्यांसाठी शवदहन व्यवस्था							
१) मोठ्या प्राण्यांसाठी इन्सिनेरेटर - नायडू कोठी			१				
२) मोठ्या प्राण्यांसाठी इन्सिनेरेटर - नायडू कोठी			१				



This report has been prepared by the Pune Air Action Hub. The Pune Air Action Hub is a network of citizen activists, resident associations, pressure groups, academics, medical professionals and civil society who are concerned about the air quality in Pune and are willing to contribute for cleaner air.