

**SUMMARY OF ENVIRONMENTAL IMPACT ASSESSMENT
(EIA) REPORT
(IN ENGLISH AND MARATHI)**

FOR

**ESTABLISHMENT OF COMMON BIOMEDICAL
WASTE TREATMENT & DISPOSAL FACILITY (CBWTF)**

BY



LIFE SECURE ENTERPRISES

**A/P KARANJVIHIRE, TAL.: KHED,
DIST.: PUNE, MAHARASHTRA STATE**

PREPARED BY



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GREEN ENVIROSAFE ENGINEERS & CONSULTANT PVT. LTD.

Environmental Laboratory, Pune (MS)

(MoEFCC Recognized & NABL Accredited: LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./372 & Validity: 28.02.2026)

Baseline Monitoring Period: March 2023 – May 2023

P-724-LSE-EIA-BMW-112023

AUGUST - 2024



LIFE SECURE ENTERPRISES

COMMON BIO-MEDICAL WASTE TREATMENT, STORAGE & DISPOSAL FACILITY

REF. NO.:

DATE: 31 July 2024

To,
The Member Secretary,
Maharashtra Pollution Control Board (MPCB),
Kalpataru Point, 3rd & 4th Floor,
Opp. PVR Theatre, Sion Circle,
Sion (E), Mumbai - 400022



Sub.: Application for 'Public Hearing' to be conducted for an Establishment of **Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF)** by **Life Secure Enterprises (LSE)** at A/p Karanjvihire, Tal.: Khed, Dist.: Pune, Maharashtra State.

Ref.: 'Terms of Reference' (ToR) granted vide letter no. SIA/MH/INFRA2/464420/2024 dated 25.07.2024. Copy is enclosed at **Enclosure – I**.

Dear Sir,

This has reference to an application in 'Form - 1' format submitted to SEIAA, DoE; Mumbai (Parivesh State Web Portal) on 04.07.2024 for grant of Terms of Reference (ToRs). The same was in respect of an Establishment of **Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF)** by **Life Secure Enterprises (LSE)** at Industrial Plot No. 5, Gat No. 356 (Part), 366 (Part), 369 (Part), 370 (Part), 372 (Part), 402,403,404,405,406,407 & 408, A/p Karanjvihire, Tal.: Khed, Dist.: Pune, Maharashtra State.

Subsequently, Standard ToRs vide **File No. SIA/MH/INFRA2/464420/2024** were accorded for the preparation of EIA report on 25.07.2024. Now, in order to conduct Public Hearing, we hereby are submitting all the relevant documents and information to your office.

Along with the Public Hearing application, a draft EIA Report as per the generic structure stipulated in MoEF Notification No. S.O.1533 (E) dated 14.09.2006 as amended vide Notification No. 3067 (E) dated 01.12.2009 and Executive Summary Report in two languages (English and Marathi) are enclosed separately; the same contains details of Pollution Control Facilities, Treatment as well as Operations and Environmental Management Plan (EMP) etc. regarding the proposed establishment of CBWTF.

'Twenty Sets' of various documents, as mentioned above and equivalent number of soft copies of same have been submitted for your information and necessary further action.

Please do the needful and oblige.

Thanking you.

Yours faithfully,


Mr. Suhas R. Medsinghe
(Managing Director)

LIFE SECURE ENTERPRISES
Common Bio Medical Waste
Treatment Storage, Disposal Facility
Telgaon Dabhade (Pune)

Encl.: Executive Summary of the Project

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Executive Summary in English

**Summary of Draft EIA Report for
Establishment of Common Biomedical Waste Treatment & Disposal
Facility (CBMWTF) by Life Secure Enterprises (LSE), at A/p
Karanjihire, Tal.: Khed, Dist.: Pune, Maharashtra State.**

1. THE PROJECT

The project comprises of setting up a Common Bio-Medical Waste Treatment and Disposal Facility (CBMWTF) by Life Secure Enterprises (LSE) at Industrial Plot No. 5, Gat No. 356 (Part), 366 (Part), 369 (Part), 370 (Part), 372 (Part), 402,403,404,405,406,407 & 408, A/p Karanjihire, Tal.: Khed, Dist.: Pune, Maharashtra State.

Life Secure Enterprises (LSE) is engaged in the business of Treatment and Disposal of Biomedical Waste. The company has an existing operational unit located at Talegaon, Pune.

This report is made in the overall context of Environmental Impact Assessment (EIA) Notification No. S. O. 1533 (E) dated 14.09.2006 and subsequent amendments thereto issued by the Ministry of Environment, Forest and Climate Change (MoEFCC); New Delhi.

As per the provision of EIA Notification No. S.O. 1533 (E) dated 14.09.2006 and amendments thereto & notification dated 17.04.2015, issued by the Ministry of Environment, Forest and Climate Change (MoEFCC); New Delhi; the proposed project comes under ‘**Category - B1**’, **Schedule 7 (da)** and is appraised by **State Level Expert Appraisal Committee (SEAC)** and **State Environment Impact Assessment Authority (SEIAA)** at the State level.

The application for grant of ToRs were submitted on 04.07.2024 & **Standard Terms of References (ToRs)** were accorded vide File No. SIA/MH/INFRA2/464420/2024 dated 25.07.2024 by **SEIAA, Maharashtra**. The Draft EIA report has been prepared by incorporating required information with regards to the project as mentioned in the **Standard ToRs**

The total investment of the proposed CBMWTF project is **Rs. 574 Lakh**

2. THE LOCATION

The location finalized for CBWTF shall be as per the land requirement in **CPCB guidelines, 21st December, 2016**. Geographical location of the site is **18°48’40.71”N Latitude** and **73°43’24.72”E Longitude**. The compliance to the requirement for site selection is given in Table 1 and Environmental Settings & Project Siting in Table 2.

Table 1 - Site Selection Criteria as per CPCB Guidelines

No.	CPCB Guidelines	Details of site selection w.r.t. LSE
1	Location Criteria: Notified Industrial Area	Non-Notified Industrial Area, Public Hearing (PH) Applicable
2	Land Requirement: Not less than 1 Acre	Proposed Plot Area: 1 Acre (4,752 Sq. M)
3	Coverage area of CBMWTF	The Jurisdiction allocated for waste collection: a) Tal. Maval – Talegaon Dabhade, Kamshet, Lonavala, Vadgaon.

		b) Tal. Khed – Rajgurunagar, Chakan, Khed, Manchar, Mahalunge. c) Tal. Junnar – Narayangaon, Junnar, Otur, Alephata. d) Tal. Khalapur – Khopoli e) Tal. Haveli – Lohagaon, Kirkitwadi, Khadakwasla, Dhayri, Warje Malwadi, Undri, Yewalewadi, Dehugaon. f) Tal. Mulshi – Hinjewadi, Pirangut, Narhe, Lavale, Susgaon, Maharunje, Nandedgaon, Ambegaon, Balewadi, Bavdhan, Bhugaon. g) Tal. Shirur – Shirur, Ranjangaon Ganpati, Sanaswadi, Lonikand, Shikrapur h) Dehuroad Cantonment Board.
4	Availability of basic facilities	Water, Electricity, Manpower, Communication facilities
5	Rehabilitation or Resettlement	Not required
6	Nearest CBMWTF Site	<ul style="list-style-type: none"> PASSCO Environmental Solution Pvt. Ltd., Pune – 36 Km; (CBMWTF Capacity, Incinerator: 1000 Kg/Day; No. of HCF covered : 773) PASSCO Environmental Solution Pvt. Ltd., Pimpri Chinchwad – 26 Km; (CBMWTF Capacity, Incinerator: 1000 Kg/Day; No. of HCF covered : 3084)

The proposed project of CBWTF by LSE is meeting site selection criteria of CPCB guidelines as well as the site selection criteria of TSDF's. Hence no any alternative sites were considered.

The details of Environmental settings and project siting are as follows -

Table 2 - Environmental Settings & Project Siting

No.	Particulars	Details
1	Name and Address of the Facility	Life Secure Enterprises (LSE) Industrial Plot No. 5, Gat No. 356 (Part), 366 (Part), 369 (Part), 370 (Part), 372 (Part), 402,403,404,405,406,407 & 408, A/p Karanjvihire, Tal.: Khed, Dist.: Pune, MS
2	Site Co-ordinates (All corners)	1. Latitude 17°46'5.43"N, Longitude 75° 2'54.15"E 2. Latitude 17°46'7.71"N, Longitude 75° 2'54.22"E 3. Latitude 17°46'7.80"N, Longitude 75° 2'51.94"E 4. Latitude 17°46'5.63"N, Longitude 75° 2'51.81"E
3	Total Land Acquired	4752 Sq. M. (0.475 Ha)
4	Elevation	530 M above Mean Sea Level (MSL)
5	Nearest Habitation	Karanjvihire (1 Km; N)
6	Nearest City	Pune (30 Km; SE)
7	Nearest Highway	Chakan – Vandra Road (1 Km; N) NH 548 D (Talegaon – Chakan Road; 8.5 Km; S)
8	Nearest Railway Station	Talegaon Dabhade (10 Km; SW)
9	Nearest Airport	Pune International Airport (32 Km; SE)
10	Nearest Streams / Rivers / Water bodies (from Project Site)	Bhama River (2 Km, NE) Bhama Askhed Dam (2.5 Km, N) Indrayani River (7 Km, S)
11	Interstate Boundary	Nil within 10 km radius
12	Defense Installations	Nil within 10 km radius
13	Archaeological Important Places	Nil within 10 km radius
14	Critically / Severely polluted areas declared by CPCB/MoEFCC	---

No.	Particulars	Details
15	Ecological Sensitive Zones (ESZ)	ESA Village: Nigde (5.64 Km, NE), Kalhat (9.50 Km, NE)
16	Reserved / Protected forest / National Parks / Wildlife Sanctuary (from Project Site)	Reserved Forest Adjacent to the Plot Boundary
17	Nearest Industrial Area / Industry	Talegaon Dabhade MIDC at 1.15 km from Project Site

The land has been marked in such manner that there will be no resettlement and forest diversion issues. Greenbelt of 35% of total plot area will be augmented.

3. THE PLACE

The proposed CBWTF would be executed at Industrial Plot No. 5, Gat No. 356 (Part), 366 (Part), 369 (Part), 370 (Part), 372 (Part), 402,403,404,405,406,407 & 408, A/p Karanjvihire, Tal.: Khed, Dist.: Pune, Maharashtra State

The total land acquired by the industry is **4752 M² (i.e. 1.0 Acre)**. The total built-up ground coverage area would be **876 M²**. Detailed area break-up is presented below -

Table 3 - Area Statement of LSE

No.	Description	Built Up Area (M ²)
A	Total Built-up Ground Coverage Area	876
B	Parking Area / Unloading Bay	475
C	Area Under Roads	1110
D	Proposed Green Belt Area (33 % of Total plot area)	1663
E	Open Space	628
	Total (A+B+C+D+E)	4752

Refer **Appendix - A** of Draft EIA report for Plot layout plan of LSE.

4. THE PROMOTERS

The details of the promoters of the project is given in Table 4.

Table 4 - Promoters of LSE

No.	Name	Designation
1	Mr. Suhas Medsinghe	Managing Director
2	Mr. Mujib Patel	Partner
3	Mr. Sambhaji Jadhav	
4	Mrs. Nivedita Jadhav	

5. THE PURPOSE

Nearly 80-85% of the waste generated by Health care activities consists of general waste. The remaining approximately 15-20% of waste is considered hazardous that may be infectious or toxic. When there is no source segregation of hazardous and non-hazardous wastes and all the wastes are clubbed together, the entire healthcare waste turns infectious and hazardous. This increases the volume of waste and it becomes difficult to manage the huge volume. Exposure to infectious BMW can result in disease or injury. It may contain infectious agents, toxic or

hazardous chemicals or pharmaceuticals, radioactive wastes, and waste sharps. The infectious wastes may contain any of the great variety of pathogenic microorganisms. Pathogens in infectious wastes may enter the human body through several routes like a puncture or cut in the skin, or mucous membranes, by inhalation or ingestion. Sharps may not only cause cuts and punctures but also infect the wounds if they are contaminated with pathogens. Because of this dual risk – of injury and disease transmission – sharps are considered as a hazardous waste class. A CBMWTF project comprehensively takes care of the above possible challenges that may be posed to human health and the environment by biomedical waste. Since around 35% of the total biomedical collected is recyclable, further processing of the same will finally lead to the creation of wealth out of waste. The processing industries dependent on recyclable materials can not only generate employment and income for the people engaged in the industry but will also save huge foreign exchange which the country spends on the import of raw materials required for making such products.

Biomedical wastes are collected in color-coded non-chlorinated HDPE bags and regular requirement of huge quantity of such bags generate employment and income for the people engaged in such industries. To enable effective management and handling of bio-medical waste, the Ministry of Environment, Forest and Climate Change (MoEFCC), New Delhi has issued formulated rules known as the Bio-Medical Waste Management Rules, 2016 (BMW Rules, 2016 as amended in 2018 and 2019) under the aegis of Environment (Protection) Act, 1986 and its subsequent amendments. In response to these rules, Government and Private Hospitals initiated their arrangements for the treatment and disposal of bio-medical waste. However, the smaller nursing homes, clinics, and other similar institutions that do not have or cannot afford such facilities need alternate modalities and arrangements to dispose of their waste, by the rules. Given the difficulties faced by private hospitals, nursing homes, and clinics that could not make their arrangements due to the high cost involved in setting up treatment and disposal facilities, the need for a centralized system for treatment was felt. Bio-Medical Waste Management Rules, 2016 (and as amended in 2018 and 2019) discouraged the setup of individual treatment and disposal facilities by healthcare establishments if there is a CBMWTF in a radius of 75 km.

Life Secure Enterprises (LSE) has operational CBMWTF at MIMER Medical College, Talegaon Dabhade, Dist.: Pune, Maharashtra since 12 years. LSE is providing biomedical waste services to healthcare facilities in Maval, Khed, Haveli, Junnar, Ambegaon, and Mulshi. Shirur & Khalapur Taluka.

Now a day's number of health care establishments, biological labs, pathological labs, research labs, and veterinary waste is increasing day by day therefore biomedical waste generated in Pune & Raigad District is also increasing. The capacity of the operational CBMWTF is 50 Kg/Hr and the plant is operated with its full efficiency i.e. for 20 Hrs /Day which is also insufficient to tackle the increasing load of BMW right now. As the plant is operated at 100% capacity for 20 Hrs. to treat the current load there is frequent maintenance of the plant & machinery is required for smooth operations and for that, there are frequent shutdowns taken by LSE which hampers the management of treating BMW. Therefore, it becomes necessary to increase the capacity of the plant and machinery of CBMWTF. The area allotted for operational CBMWTF to LSE by MIMER Medical College, Pune is 2656 M² (0.65 Acre) which is insufficient for any further expansion within same facility. Also, as per CPCB Guidelines, 2016; area required for CBMWTF is not less than 1 Acre. However, due to the unavailability of space concern at the facility, the management of LSE proposed to establish an entirely new CBMWTF at new location i.e. at Industrial Plot No. 5, Gat No. 356 (Part), 366 (Part), 369

(Part), 370 (Part), 372 (Part), 402,403,404,405,406,407 & 408, A/p Karanjvihire, Tal.: Khed, Dist.: Pune, Maharashtra State under same jurisdictions. The operational CBMWTF at Talegaon Dabhade will be entirely shut down after the establishment of the new CBMWTF.

Therefore, by considering all the above points the LSE has decided to propose a new biomedical waste treatment and disposal facility at Industrial Plot No. 5, Gat No. 356 (Part), 366 (Part), 369 (Part), 370 (Part), 372 (Part), 402,403,404,405,406,407 & 408, A/p Karanjvihire, Tal.: Khed, Dist.: Pune, MS with a capacity to treat **5 MT/D**.

6. DEMAND SUPPLY GAP

As per the CPCB guideline, one CBWTSDF facility will cater to 75 km area surrounding it and 10,000 beds. Currently, there are three authorized common facility in the whole Pune Division. Considering the number of nursing homes and hospitals with beds, the existing facility is not able to meet the requirement of the region.

Now a day's number of health care establishments, biological labs, pathological labs, research labs, and veterinary waste is increasing day by day therefore biomedical waste generated in Pune & Raigad District is also increasing. The capacity of the operational CBMWTF is 50 Kg/Hr and the plant is operated with its full efficiency i.e. for 20 Hrs /Day which is also insufficient to tackle the increasing load of BMW right now. As the plant is operated at 100% capacity for 20 Hrs. to treat the current load there is regular maintenance of the plant & machinery is required for smooth operations and for that, there are frequent shutdowns taken by LSE which hampers the management of treating BMW. Therefore, it becomes necessary to increase the capacity of the plant and machinery of CBMWTF. The area allotted for operational CBMWTF to LSE by MIMER Medical College, Pune is 2656 M² (0.65 Acre) which is insufficient for any further expansion within same facility. However, due to unavailability of space at existing facility, it is proposed to establish a new common bio-medical waste treatment & disposal facility at Khed Taluka which will be within 75 Km radius of the existing facility at Village Karanjvihire under same jurisdictions. The operational CBMWTF at Talegaon Dabhade will be entirely shut down after the establishment of new CBMWTF.

In addition, as per Solid Waste Management Rules, 2016 published by CPCB in May 2018; sanitary waste generation in coverage area granted in the Consent to Establish (CTE) by MPCB will also considered for the treatment under the proposed establishment. If we take into account the growth rate of the number of beds in the state and a period of 10 years as provided for in the CPCB Guidelines 2016 as well as unpredictable situations like COVID, many more CBMWTFs will be required in the state shortly.

The land acquisition has already been done where a land of 1.17 Acre has been leased in Village Karanjvihire of Pune district.

7. QUANTIFICATION OF BIOMEDICAL WASTE

Table 5 - Quantification of Biomedical Waste (BMW) - CBMWTF Coverage Area w.r.t. Proposed Facility

No.	Jurisdiction allocated in MPCB Consent	Bedded HCF	Non-bedded HCF	Total Bed
1	Tal. Maval – Talegaon Dabhade, Kamshet, Lonavala, Vadgaon.	275	96	2750
2	Tal. Haveli – Lohagaon, Kirkitwadi, Khadakwasla, Dhayri, Warje Malwadi, Undri, Yewalewadi, Dehugaon.	94	33	577
3	Dehuroad Cantonment Board.			
4	Tal. Khed – Rajgurunagar, Chakan, Khed, Manchar, Mahalunge.	257	81	2302
5	Tal. Junnar – Narayangaon, Junnar, Otur, Alephata	179	53	677
6	Tal. Mulshi – Ambegaon	106	38	493
7	Tal. Mulshi – Hinjewadi, Pirangut, Narhe, Lavale, Susgaon, Maharunje, Nandedgaon, Balewadi, Bavdhan, Bhugaon.	199	47	839
8	Tal. Shirur – Shirur, Ranjangaon Ganpati, Sanaswadi, Lonikand, Shikrapur	205	63	994
9	Tal. Khalapur – Khopoli	28	53	323
TOTAL		1343	464	8955
Remarks : <ul style="list-style-type: none"> • Incinerable Waste: 270 gms/bed / day • Total no. of beds: 8955 • Total BMW = 8955 x 270 = 2418 Kg / Day = 2.42 MT/D 				

(Source: Existing Unit Track History)

- Approximately **Sanitary waste generated** considered in the Coverage area is **1.25 MT/D**
- From **Table 5** and **sanitary waste generation**, the total BMW generation will be as follows -
 1. BMW generation from HCFs – **2.42 MT/D**
 2. BMW generation from Sanitary Consumables - **1.25 MT/D**
 3. Othe BMW generation sources (Medical Lab, Blood Banks, Mortuaries, Research Labs, Veterinary, Pathology Lab, Clinics, etc.) – **1 MT/D**
 4. Total BMW generation – **4.67 MT/D**
 5. Proposed Capacity of Incinerator - **250 kg/Hr** (20 Batch/Hr. per Day)
= 250 x 20 = 5,000 kg/Day = **5 MT/D**

8. SIZE OR MAGNITUDE OF OPERATION

Following is the list of equipment's to be installed under proposed CBWTF –

Table 6 - Key Components of CBMWTF

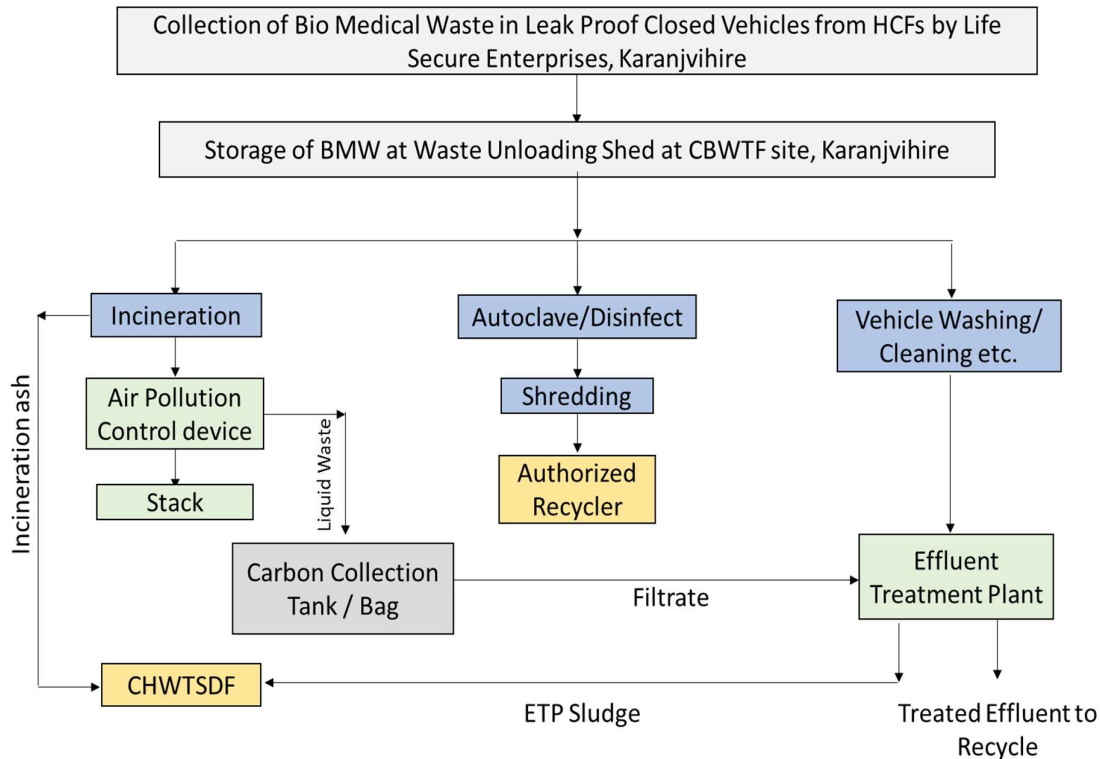
No.	Equipment	Installed Capacity	Operational Capacity / Day	Number
1.	Incinerator	250 Kg/Hr.	20 Batches/Day of Each (Batch/Hr)	01
2.	Autoclave	600 Ltr./Cycle (2 Nos.)	14 Cycles / Day for two Autoclave (Cycle of 90 min.)	02
3.	Shredder	120 Kg/Hr.	20 Batches/Day	01
4.	Effluent Treatment Plant	25 KLD	--	01
5.	Sewage Treatment Plant (STP)	2 KLD	--	01

9. THE PROCESS

Following is the process Operation Flow Scheme under proposed establishment of CBMWTF

Figure 1 - Process Operation Flow Scheme

Collection of Bio-Medical Waste in Leak Proof Closed Vehicles from HCFs



A. Proposed Treatment Technology

a) Incineration

It is a controlled combustion process where waste is completely oxidized and harmful microorganisms present in it are destroyed / denatured under high temperature. The guidelines for "Design & Construction of Bio-medical Waste Incinerators" prepared by CPCB shall be followed for selecting / installing a better bio-medical waste incinerator.

Incinerator having capacity of 250 kg / Hr. will be installed under the proposed CBMWTF. The incinerator will be of twin Chamber type incinerator with a 2-second residence time of the secondary chamber as per CPCB norms. It is also attached with a control panel, burners, and temperature sensors. It will have proper charging doors for a feed of BMW.

Air Pollution Control Devices (APCD) - It consists of Chiller, Venturi Scrubber, Packed Column, Droplet Separator & Fabric Filter Bags to achieve prescribed discharge standards. A single set of Air Pollution Control Devices (APCD) for each incinerator will be installed.

b) Autoclave

Autoclaving is a low-heat thermal process where steam is brought into direct contact with waste in a controlled manner and for sufficient duration to disinfect the wastes. For ease and safety in operation, the system should be horizontal type and exclusively designed for the treatment of BMW.

For optimum results, pre vacuum based system be preferred against the gravity type system. It shall have tamper-proof control panel with efficient display and recording devices for critical parameters such as time, temperature, pressure, date and batch number etc. The capacity of autoclave will be 600 Lit./Cycle (2 No.s).

c) Shredder

Shredding is a process by which recyclable waste after autoclaving is de-shaped or cut into smaller pieces so as to make the wastes unrecognizable. It helps in prevention of reuse of BMW and also acts as identifier that the wastes has been disinfected and are safe to dispose off. Top Charging type shredder of capacity 120 kg / Hr. with 10 HP Motor will be installed.

B. Vehicles used for collection of the BMW

Details on vehicles used for collection of the BMW under proposed establishment is given in Table 7.

Table 7 - Vehicle for collection of the BMW

No.	Make and type of Vehicle	Quantity
1	TATA ACE Four Wheeler Tempo	6 No.
2	Mahindra Jeeto Four Wheeler Pickup	3 No.
4	TATA Intra Carrier Four Wheeler	1 No.
	Total	10 No.

All above vehicles will be as per MPCB and CPCB norms. They will be closed vehicle with Bio Hazard Symbols on it. All the Vehicle will be equipped with GPS System, Bar Code Systems and Scale.

10. ENVIRONMENTAL ASPECTS

LSE has implemented an effective 'Environmental Management Plan' and various aspects of the same are as follows -

A. Water Use, Effluent Generation and its Treatment:

a) Water Consumption:

The total water requirement for proposed project would be 25.5 CMD. Out of which 8.5 CMD would be the fresh water and that of 17 CMD would be treated water from ETP.

The fresh water would be the taken from Grampanchayat Karanjvihire. Water lifting permission will be taken from Grampanchayat. A rainwater harvesting system will also be set up at the plant to ensure better water management. The details on Water Consumption & Effluent Generation under proposed activities are as follows

b) The Effluent

i) Domestic Effluent - The domestic effluent of 1.8 CMD would be treated in packaged STP of 2 KLD capacity on proposed site. Then the treated water would be used for gardening thus by achieving **Zero Liquid Discharge**.

ii) Industrial Effluent - The effluent generated from the proposed facility comprise of effluents from process operations (15 CMD), Washing (3 CMD). The same effluents would be treated in proposed ETP of capacity 25 CMD. The treated water would be recycled in process. Thereby, achieving '**Zero Liquid Discharge**'.

Table 8 - Details of Water Consumption & Effluent Generation (CMD)

No.	Description	Water Consumption	Effluent Generation
1	Domestic	#2.3	1.8
2	Industrial		
	a. Process (Chiller + Venturi Scrubber + Autoclave + Vehicle Washing)	18 (*15 + #3)	15
	b. Lab + Equipment + Floor Washing	#3	3
3	Industrial Total (a+b)	21 (*15 + #6)	18
4	Gardening / GB	@2	--
	Grand Total (1+3+4)	25.3 (#8.3 + *15 + @2)	

Note : # - Fresh water, * -ETP treated water, @ - STP Treated Water.

B. Air Pollution & Emissions:

In the proposed CBMWTF, incinerator of capacity 250 kg/Hr. would be installed for which fuel will be HSD and DG set having capacity 160 KVA will be installed. Incinerator would be provided with Chiller, Venturi Scrubber, Packed Column, Droplet Separator & Fabric Filter Bags as 'Air Pollution Control Device (APCD)' equipment preceding the stack height of 30 M. The exhaust of DG Set would be let out in to atmosphere through adequate stack height above the roof level. The DG shall be used only in case of power failure condition. The details on Incinerator and DG set with APC equipment under proposed activities are as follows –

Table 9 - Details of Stack

No.	Description	Specifications	
(a)	Stack Number (s)	S-1	S-2
(b)	Attached to	Incinerator	DG Set
(c)	Capacity	250 Kg/Hr.	160 KVA
(d)	Fuel type	HSD	HSD
(e)	Fuel quantity	20 Lit/Hr.	30 Lit/Hr.
(f)	Material of construction	MS	MS
(g)	Shape	Round	Round
(h)	Height, m	30	3 (ARL)
(i)	Diameter/size, Height	1200 mm Bottom X 600 mm Top	100 mm
(l)	Control equipment preceding the stack	Chiller, Venturi Scrubber, Packed Column, Droplet Separator & Fabric Filter Bags.	Acoustic Enclosure

C. Dioxin Control mechanism

By proper segregation PVC waste is avoided at source. The proposed incinerator is provided with a secondary chamber designed to provide 2 sec residence for the flue gas at 1050 deg C. At this high temperature and residence time organics are destroyed. Normally gradual / slow cooling of flue gas leads to formation of Dioxins. To avoid this the flue gas is then quenched suddenly from 850 deg C to less than 80 deg C. This instant quenching reduces the time and prevents formation of Dioxins and furans. Minor formation of dioxin formation, if any, is removed by adsorption by Activated carbon filter. Activated carbon dosing system is provided in the Incinerator. Thus, the design of our incinerator along with Activated carbon dosing system prevents and controls formation of dioxin and furans.

D. Noise Pollution Aspect:

There would be no major noise generating sources in the proposed CBMWTF. From the proposed BMW facility, the major sources of noise will be DG Set and vehicles transportation. Adequate noise abatement measures like silencer would be implemented in this section. The DG Set would not be a continuous source of noise, as it would be operated only during power failure. As per the Noise Pollution Regulation and Control Amendment Rules; 2010, the DG set would be properly and adequately provided with acoustic enclosures. The DG set would be kept in isolated area. Moreover, enclosures to the machinery would be provided wherever possible to have the ambient noise levels as per CPCB standards. Also, adoption of good management practices, good housekeeping and proposed green belt development would be followed to control noise pollution. The workers and or employees would be provided with earmuffs and other Personal Protective Equipment's (PPEs) which would give the reduction of 30 dB (A).

E. Hazardous and Non- Hazardous Wastes Aspect:

- a) **Solid Waste** - Solid wastes generated from the proposed facility are categorized as Hazardous and Non- Hazardous Wastes. Details of solid waste to be generated from proposed activities are given in following table-

Table 10 - Details of Solid Waste

No.	Description	Quantity (MT/M)	Disposal Facility
1.	Plastic Scrap / MS Scrap / Other Waste	4	Authorized Recycler
2.	Battery Waste	0.2	
3.	E-Waste	0.2	

- b) **Hazardous Wastes** - The entire quantity of Hazardous waste will be handled and disposed of as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Details of Hazardous Waste Generation with Disposal Facility under proposed activities are as follows

Table 11 - Hazardous Waste Generation and its Disposal Details

No	Description	HW Category	Quantity (MT/M)	Mode of Disposal
1.	Ash from Incinerator & flue gas cleaning residue	37.3	9	CHWTSDF
2.	Chemical Sludge from WWT	35.3	0.5	

The unit would provide dedicated and isolated storage arrangement for the hazardous wastes. The area shall have leachate collection system, impervious floor and covered roof. Trained and experienced staff shall be employed for collection and handling of the wastes.

F. Odour Aspect:

The odor management is one of the important aspect in CBWTSDF. There are different odour sources in the industry. The storage places, process operations, loading / unloading sections etc. could give rise to smell nuisance. Odor is generally generated from the biomedical waste if stored for long time. To abate the odour nuisance, following steps will be taken under proposed activities -

a) Management while transportation :

- Closed cabin vehicles will be used for the collection and transportation of BMW.
- Proper & adequate PPE's will be provided to drivers & associates.
- The base of the waste cabin shall be leak proof to avoid pilferage of liquid.
- Training & awareness to drivers & associates regarding collection, handling & transportation of BMW in scientific manner

b) Management at Work zone area:

- Total time taken from generation of bio-medical waste to its treatment, which also includes collection and transportation time, will not exceed 48 hours.
- Company will wash vehicles, containers and storerooms frequently (Once in a day).
- Dilution of odor concentration by spraying organic and biodegradable chemical (natural plant based formula) around odor generation areas like BMW collection, segregation & storage areas at regular intervals.
- ETP sludge will be disposed to CHWTSDF.
- Proper & adequate PPE's will be provided to workers while handling of BMW at any stage of treatment process.
- Adequate ventilation & Housekeeping will maintain for good hygiene condition.
- Training & awareness to workers regarding handling of BMW in scientific manner

G. Compliance with the Norms

All the relevant acts, rules and guidelines with respect to effluent treatment and disposal, solid & hazardous wastes handling and disposal as well as in respect of emission handling and disposal, wherever applicable, as specified by the Maharashtra Pollution Control Board (MPCB) or any other concerned authority are strictly followed

H. Environmental Management Cell (EMC)

LSE shall have Environmental Management Cell (EMC) of 6 qualified and experienced persons including Managing Director, Environmental Officer, ETP chemist, Operators and Supporting Staff.

Details of capital as well as O & M costs towards environmental aspects under the existing as well as proposed establishment setup are as follows –

Table 12 - Capital as well as O & M Cost

No.	Description	Cost (In Rs. Lakhs / Yr.)	
		Capital	O & M
1	Air Pollution Control: Chiller, Venturi Scrubber, Packed Column, Droplet Separator & Fabric Filter Bags, 30 M Stack height, OCEMS	60	15
2	Water Pollution Control: ETP (Capacity - 25 CMD), OCMS, STP (Capacity - 2 CMD)	30	10
3	Noise Pollution Control: Insulation, Isolation, Attenuation Infrastructure & PPEs	5	1
4	Odour Management	3	1
5	Environmental Monitoring & Management	8	6
6	Occupational Health and Safety	5	2
7	Green Belt Development & Rain Water Harvesting	3	1
8	Renewable Energy Implementation	2.5	0.5
9	Hazardous Waste Membership	0.75	---
	Total	117.25	36.5

I. Rainwater Harvesting

- Average annual rainfall in the area = 1093 mm

Table 13 - Area Taken for RWH

No	Description	Area (Sq. M.)	Runoff Factors	Annual Rainfall (M)	RWH Qty. (M ³)
1	Roof Top Harvesting				
	Rooftop Area	876	0.8	1.093	765.98
	Total Rooftop Harvesting				765.98

- Runoff from Rooftop to be harvested & stored in a Storage Tank
- Rooftop Yield is 765.98 M³ could become available during every season from the RWH operations.
- This yield will be stored in Storage Tank of capacity 1000 M³
- Utilization for Fire Hydrant, Washing & Flushing & Green Belt.

J. Green Belt

Table 14 - Area Details

No.	List of Area	Area (Sq. M)
1	Total Plot Area	4752
2	Existing Green Belt Area (35%)	1663
3	Total Open Area	628

Criteria for Green Belt Development Plan

Emission of SPM, SO₂ is the main criteria for consideration of green belt development. Plantation under green belt is provided to abate effects of the above emissions. Moreover, there would also be control on noise from the industry to surrounding localities as considerable attenuation would occur due to the barrier of trees provided in the green belt.

K. Socio - Economic Development

Socio economic study was carried within 10 Km radius of the study area was carried out with the help of a structured close ended interview schedule, comprising of 32 questions in Marathi, which was drafted prior to and employed during the survey. Refer Socio – economic profile in Chapter 3 of EIA report for detailed information of socio economic aspect. Observations and conclusions after the socio-economic study are as follows-

- Most of the villages have basic facilities like drinking water, preliminary educational infrastructure, toilets and electricity. Good transportation & satisfactory educational facilities are present.
- A majority of the population within the sample size had a good income which is mostly due to sugarcane cultivation.
- Indirect & direct Job opportunities provided to locals by industry.
- Most villages lacked drainage system, open drainages; scattered solid waste as well as poor sanitation was visible.
- Improper, inadequate and not within close vicinity health facilities is the major problem faced by locals.

L. Ecology - Biodiversity

Ecological survey for establishment of distillery by LSE was carried. Out of the total 40 villages within 10 km radius, 9 villages were selected for Ecology and Biodiversity (EB) studies and for Questionnaire survey, for being representative of the major habitats in the study area i.e. 5 villages within 5 km radius and 4 villages between 5 and 10 km radius.

Refer **Chapter - 3** of Draft EIA report for detailed information of Ecology - Biodiversity aspect.

11. ENVIRONMENTAL MONITORING PROGRAM

Reconnaissance of the study area was undertaken in the Pre-Monsoon Period. Field monitoring for measuring meteorological conditions, ambient air quality, water quality, soil quality and noise levels was initiated in March, 2024. Report incorporates the data monitored during the period from March – April – May 2024 and secondary data collected from various sources, which include Government Departments, related to ground water, soil, agriculture, forest etc.

a) Land Use

Land use study requires data regarding topography, zoning, settlement, industry, forest, roads and traffic etc. Collection of this data was done from various secondary sources viz., Census books, Revenue records, State and Central Government Offices, Survey of India topo sheets as well as high resolution satellite image and through primary field surveys.

b) Meteorology

Methodology adopted for monitoring surface observations is as per the norms laid down by Bureau of Indian Standards (BIS) and the India Meteorology Department (IMD). On-site monitoring was undertaken for various meteorological variables in order to generate the data. Further, certain secondary meteorological data like temperatures, relative humidity, rainfall intensity etc. have been taken from IMD, Pune.

Meteorological parameters were monitored during the period March – April – May 2024. Details of parameters monitored, equipment's used and the frequency of monitoring have been given in Chapter 3 of the EIA report. Hereunder, details of predominant wind directions and wind categories are given.

c) Air Quality

This section describes the selection of sampling locations, includes the methodology of sampling and analytical techniques with frequency of sampling. Presentation of results for **March – April – May 2024** survey is followed by observations. All the requisite monitoring assignments, sampling and analysis was conducted through the laboratory of Green EnviroSAFE Engineers & Consultant Pvt. Ltd., Pune which is NABL accredited and MOEFCC; New Delhi approved organization. Further, same has received certifications namely ISO 9001– 2015 and OHSAS 18001–2007 from DNV. Ambient air monitoring was conducted in the study area to assess the quality of air for PM₁₀, PM_{2.5}, SO₂, NO_x and CO. various monitoring stations selected are shown in table 15.

Table 15 - Ambient Air Quality Monitoring (AAQM) Locations

Location	Location Name	Type (Industrial/Rural)	Location Details	Type of Zone (Core/Buffer)	Distance from site (Km)	Direction w.r.t site	Latitude	Longitude
1	Site	Industrial	--	Core	-	-	18°48'39.61"N	73°43'24.19"E
2	Nawlakh Umbre	Rural	U/w	Core	3.1	W	18°48'5.01"N	73°41'42.30"E
3	Ambale	Rural		Buffer	7.2	W	18°48'42.60"N	73°39'18.96"E
4	Askhed Khurd	Rural	D/w	Core	4.6	E	18°49'13.95"N	73°45'56.68"E
5	Shelu	Rural		Buffer	7.1	E	18°48'42.31"N	73°47'28.22"E
6	Jambawade	Rural	C/w	Buffer	6.0	S	18°45'32.25"N	73°43'39.44"E
7	Pait	Rural		Buffer	6.7	N	18°52'18.50"N	73°43'16.11"E
8	Karanjvihire	Rural	NH	Core	1.1	N	18°49'15.26"N	73°43'27.18"E
Remark	The Predominant wind direction is West. Accordingly there are two villages (Nawlakh Umbre & Ambale) in West direction as an upwind location.							

Table 16 – Summary of the AAQ Monitoring Results for Season [March – April – May, 2024]

		Locations							
		Industrial Site	Nawlakh Umbre	Ambale	Askhed Khurd	Shelu	Jambawade	Pait	Karanjihire
PM ₁₀ µg/M ³	Max.	62.8	70.0	58.6	61.6	66.8	65.9	58.9	68.7
	Min.	52.2	61.4	50.4	55.3	56.5	59.4	52.8	61.1
	Avg.	58.3	67.2	54.1	59.8	61.5	63.0	56.6	65.8
	98%	62.7	70.0	58.1	61.6	66.7	65.7	58.9	68.4
PM _{2.5} µg/M ³	Max.	27.6	33.8	25.8	27.6	30.6	29.9	25.6	30.8
	Min.	21.9	25.8	20.8	22.1	23.0	22.8	19.4	26.5
	Avg.	24.4	29.9	22.8	25.8	26.1	27.5	23.0	28.1
	98%	27.2	33.8	25.7	27.5	30.2	29.9	25.4	30.4
SO ₂ µg/M ³	Max.	13.8	18.3	12.5	14.6	18.7	14.9	12.6	16.3
	Min.	9.2	11.9	7.5	11.0	11.1	9.3	6.4	11.6
	Avg.	11.7	14.9	9.5	13.0	14.2	12.7	10.0	13.5
	98%	13.8	18.3	12.4	14.5	18.3	14.9	12.4	15.9
NO _x µg/M ³	Max.	18.7	29.1	17.5	22.9	19.9	23.3	20.5	25.5
	Min.	15.0	21.6	13.1	18.0	15.1	19.5	17.2	21.4
	Avg.	16.7	25.4	15.6	20.2	17.6	21.7	18.9	23.5
	98%	18.5	28.9	17.5	22.4	19.7	23.3	20.4	25.5
NH ₃ µg/M ³	Max.	9.5	12.8	7.1	11.4	7.6	9.9	8.9	12.9
	Min.	7.1	8.0	5.0	9.0	5.0	7.0	7.1	8.2
	Avg.	8.0	11.0	5.8	9.8	6.3	8.4	7.8	10.7
	98%	9.2	12.7	6.9	11.2	7.6	9.8	8.8	12.9
CO mg/m ³	Max.	0.10	0.14	0.08	0.11	0.08	0.12	0.12	0.12
	Min.	0.02	0.07	0.03	0.06	0.03	0.05	0.05	0.06
	Avg.	0.06	0.11	0.05	0.08	0.06	0.09	0.07	0.10
	98%	0.10	0.14	0.08	0.11	0.08	0.12	0.12	0.12
Pb µg/M ³	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Avg.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	98%	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ozone µg/M ³	Max.	18.9	31.0	12.1	18.8	20.9	22.7	13.8	26.2
	Min.	12.0	20.4	9.0	14.5	15.7	17.5	11.0	21.1
	Avg.	14.1	25.0	10.0	16.6	18.5	20.0	12.1	23.6
	98%	18.7	29.3	12.0	18.7	20.8	22.7	13.8	26.0
Benzene µg/M ³	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Avg.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	98%	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
BaP ng/m ³	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Avg.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	98%	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
As ng/m ³	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Avg.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	98%	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ni ng/m ³	Max.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Min.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	Avg.	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
	98%	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
VOC µg/M ³	Max.	14.5	23.5	10.9	15.9	16.7	19.9	12.5	22.3
	Min.	6.6	17.2	5.0	8.1	10.9	14.6	7.5	15.0
	Avg.	9.1	20.3	8.0	12.5	14.0	17.2	10.3	19.4
	98%	14.0	23.5	10.7	15.7	16.7	19.7	12.5	22.3

Table 17 - National Ambient Air Quality Standards (NAAQS) by CPCB

(Notification No. S.O.B-29016/20/90/PCI-L by MOEFCC; New Delhi dated 18.11.2009)

Zone Station	PM ₁₀ µg/M ³		PM _{2.5} µg/M ³		SO ₂ µg/M ³		NO _x µg/M ³		CO mg/M ³	
	24 Hr	A.A.	24 Hr	A.A.	24 Hr	A.A.	24 Hr	A.A.	8 Hr	1 Hr
Industrial, Rural & Residential Area	100	60	60	40	80	50	80	40	2	4
Eco-sensitive Area Notified by Govt.	100	60	60	40	80	20	80	30	2	4

Note: A.A. represents Annual Average

Results observed after monitoring from above locations are well within the limits as per **CPCB, 2009**. Refer **Chapter - 3** of Draft EIA report for detailed Air Quality Aspect.

d) Water Quality

Sampling and analysis of water samples for physical, chemical and heavy metals were also undertaken through the laboratory of Green Enviro Safe Engineers & Consultant Pvt. Ltd Pune. The eight monitoring locations for surface water are given in Table 17 and monitoring stations selected for ground water are given in Table 18.

Table 18 - Details of Surface Water Quality Monitoring Locations

Sr. No	Sample Code	Location Name	Type of Water Source	Type of Zone (Core-Buffer)	Distance from site (Km)	Direction w.r.t site	Latitude	Longitude
1	SW1	Shive	Bhama – Askhed Dam	Core	3.85	NW	18°50'19.15"N	73°42'1.80"E
2	SW2	Karanja Vihire	Bhama River	Core	2.01	NE	18°49'30.85"N	73°44'9.22"E
3	SW3	Askhed Kh.	Bhama River	Core	4.64	ENE	18°49'20.96"N	73°45'57.77"E
4	SW4	Mendhewadi	Jadhavwadi Reservoir	Core	3.84	S	18°46'38.23"N	73°43'39.63"E
5	SW5	Shire	Andra Dam	Buffer	8.50	WSW	18°48'4.35"N	73°38'33.60"E
6	SW6	Rajpuri	Indrayani River	Buffer	8.87	SW	18°45'53.62"N	73°39'19.29"E
7	SW7	Induri	Indrayani River	Buffer	8.61	S	18°44'3.06"N	73°42'47.22"E
8	SW8	Sudumbare	Indrayani River	Buffer	9.23	SE	18°44'17.44"N	73°46'3.16"E

Table 19 - Details of Ground Water Quality Monitoring Locations

Sr. No.	Sample Code	Location Name	Type (Dug Well-Bore Well)	Type of Zone (Core-Buffer)	Distance from site (Km)	Direction w.r.t site	Latitude	Longitude
1	GW-1	Karanj vihire	Dug Well	Core	0.34	NE	18°48'48.21"N	73°43'34.11"E
2	GW-2	Karanj vihire	Dug Well	Core	2.32	E	18°48'40.59"N	73°44'43.86"E
3	GW-3	Waki Tarf Wada	Dug Well	Core	1.73	N	18°49'37.21"N	73°43'10.67"E
4	GW-4	Shinde	Dug Well	Core	3.78	SSE	18°46'49.63"N	73°44'20.02"E
5	GW-5	Varale	Dug Well	Buffer	7.36	SSW	18°45'7.61"N	73°41'30.31"E
6	GW-6	Bhamboli	Dug Well	Buffer	6.37	ESE	18°48'6.57"N	73°46'52.49"E
7	GW-7	Raundhalwadi	Dug Well	Buffer	6.14	N	18°52'1.15"N	73°43'9.57"E
8	GW-8	Umbare Navalakh	Dug Well	Core	4.17	WNW	18°48'17.42"N	73°41'3.12"E

Results observed after monitoring from above locations are mentioned in **Chapter - 3** of Draft EIA report for detailed Water Quality Aspect.

e) Noise Level Survey

Study area of 10 Km radius with reference to the proposed project site has been covered for noise environment. Four zones viz. Residential, Commercial, Industrial and Silence Zones have been considered for noise monitoring. Some of the major material roads were covered to assess the noise due to traffic. Noise monitoring was undertaken for 24 hours at each location. Details of noise monitoring stations are given in following table-

Table 20 - Noise Sampling Locations

Location	Location Name	Type (Industrial/Rural)	Type of Zone (Core/Buffer)	Distance from site (Km)	Direction w.r.t site	Latitude	Longitude
1	Project Site	Industrial	Core	-	-	18°48'40.71"N	73°43'24.72"E
2	Karanjvhire	Rural	Buffer	1	N	18°49'12.46"N	73°43'23.82"E
3	Shinde	Rural	Buffer	3.6	SE	18°47'28.86"N	73°45'3.13"E
4	Nawlakh Umbre	Rural	Buffer	3.3	SW	18°47'59.28"N	73°41'38.93"E
5	Dhamane	Rural	Buffer	3.4	NE	18°50'15.67"N	73°44'24.93"E
6	Pait	Rural	Buffer	6.8	N	18°52'22.61"N	73°43'12.03"E
7	Sudumbare	Rural	Buffer	7.1	SE	18°45'14.33"N	73°45'15.64"E
8	Talegaon Dabhade	Rural	Buffer	9.5	SW	18°44'9.82"N	73°40'42.02"E

f) Soil Quality

Sampling and analysis of soil samples for physical, chemical and biological were also undertaken. The various monitoring stations selected are given in Table 20.

Table 21 - Details of Soil Quality Monitoring Locations

Sr. No.	Sample Code	Location Name	Type (Industrial-Rural)	Type of Zone (Core-Buffer)	Distance from site (Km)	Direction w.r.t site	Latitude	Longitude
1.	S1	Karanjvhire	Industrial	Core	---	---	18°48'40.69"N	73°43'24.89"E
2.	S2	Karanjvhire	Rural	Core	1.99	NNE	18°49'44.64"N	73°43'43.62"E
3.	S3	Shinde	Rural	Core	3.51	SE	18°47'26.56"N	73°44'55.87"E
4.	S4	Navlakh Umbre	Rural	Core	3.24	WSW	18°48'14.28"N	73°41'37.36"E
5.	S5	Nanoli Tarf Chakan	Rural	Buffer	6.18	SSW	18°45'43.36"N	73°41'46.09"E
6.	S6	Wasuli	Rural	Buffer	6.11	SE	18°46'25.12"N	73°45'57.32"E
7.	S7	Koye	Rural	Buffer	6.67	NE	18°51'27.59"N	73°45'50.53"E
8.	S8	Wahagaon	Rural	Buffer	7.85	NW	18°51'26.62"N	73°40'0.86"E

g) Socio - Economic Profile

Socio-economic status of the population is an indicator for the development of the region. Any developmental project of any magnitude will have a bearing on the living conditions and on the economic base of population in particular and the region as a whole. Chapter 3 may be referred for details of this aspects.

h) Ecology - Biodiversity Profile

The survey of 9 villages in close proximity, selected out of 40 villages, within the 10 km radius of LSE, was carried out with help of a structured close ended interview schedule prepared for exercise, comprising of 21 questions in Marathi. Refer **Chapter - 3** of Draft EIA report for detailed Ecology - Biodiversity Aspect.

12. ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

12.1 Impact on Topography

No major topographical changes are envisaged in the acquired area. The changes would be due to the manmade structures, like ancillary units. The activity would invite positive benefits in the form of land leveling & tree plantation in the plant vicinity & other premises.

12.2 Impact on Climate

Impact on the climate conditions due to the proposed CBMWTF is not envisaged, as emissions to the atmosphere of flue gases with very high temperatures are not expected.

12.3 Impact on Air Quality

A study area of 10 km radius is considered for determination of impacts.

12.3.1 Baseline Ambient Air Concentrations

24 hourly 98th percentile concentrations of PM₁₀, PM_{2.5}, SO₂, NO_x & CO in Ambient Air, recorded during the field study conducted for the season March - April - May, 2024 are considered as baseline values. Average concentrations of above-mentioned parameters, at this location, are considered to be the 'Baseline Concentrations' to determine the impact of proposed CBWTF operations on ambient air quality. Existing baseline concentrations are summarized in Table 21 & GLC of the same is included in **4th chapter** of Draft EIA report.

Table 22 - Baseline Concentrations (Average) at Site

Parameter	PM₁₀	PM_{2.5}	SO₂	NO_x	CO
Conc. (µg/m³)	58.3	24.4	11.7	16.7	0.06
NAAQS	100 µg/m ³	60 µg/m ³	80 µg/m ³	80 µg/m ³	4mg/m ³

12.3.2 Air Polluting Sources

In the proposed CBMWTF, incinerator of capacity 250 kg/Hr. would be installed for which fuel will be HSD. Incinerator would be provided with Chiller, Venturi Scrubber, Packed Column, Droplet Separator & Fabric Filter Bags as 'Air Pollution Control Device (APCD)' equipment preceding the stack height of 30 M.

12.4 Impact on Water Resources

12.4.1 Impact on Surface Water Resources & Quality

Surface water along with recycled water will be used to meet water requirement of proposed establishment project. The effluent generated from proposed facility would be treated in proposed ETP (**Capacity: 25 CMD**). Treated effluent shall be used in process to achieve ZLD.

Total domestic effluent would be treated in proposed STP. Hence there will not be any impact on surface water resource. More details about water budget are presented at Chapter 2.

12.4.2 Impact on Ground Water Resources & Quality

Water required for the industry would be obtained from Grampanchayat. Ground water will not be a source of raw water for the proposed project. Moreover, there will not be any discharge of untreated effluent so there will not be any impact on ground water level and quality.

12.5 Impact on Soil

Impact on the soil characteristics is usually attributed to air emissions, wastewater discharges and solid waste disposal. Under proposed facility, there will not be discharge of any untreated effluent on land. Solid waste generated would be in the form of plastic scrap and other waste would be sold to authorized recycler. Hazardous waste in the form of incineration ash, ETP sludge and other residues will be forwarded to CHWTSDF facility for secured landfill. Hence, there will not be any major increase in chemical constituents of soil through deposition of air pollutants / discharge of wastewater. Moreover, there will not be any process emissions worth mentioning, the impact on the soil characteristics will be nil.

12.6 Impact on Noise Levels

There will be minimal impact of noise levels on the workers in the facility. The major source of noise would be DG Set, which shall be used only during power failure. The workers exposed to noise would be provided with PPEs. People working near the source need risk criteria for hearing damage while the people who stay near the industry need annoyance and psychological damage as the criteria for noise level impact analysis.

12.7 Impact on Land Use

Present land use of the project is barren land. Hence, no change in the land use pattern is expected. Therefore, the impact on land use is non-significant.

12.8 Impact on Flora and Fauna

Discharge of the untreated wastewater from the industry in surrounding area can also cause significant environmental impact on the aquatic habitats and affect dependent biodiversity. In case of air pollution, the industry is going to contribute in SPM pollution load in the nearby area. This may have negative impact particularly on avifauna, surrounding crop yields and local population. Details in respect of impacts on ecology and biodiversity are described in Chapter 4.

12.9 Impact on Historical Places

No impact as there is no any such places within 10 km study area of d LSE.

13. ADDITIONAL STUDIES & INFORMATION

13.1 Risks Assessment -

Risk to human health is inherent. It is safe only when the installation is dismantled at the end of its useful life. The following principles should be used as guidelines for the selection of risk criteria -

1. Increase in risk, caused by the presence of the plant to local community (i.e. neighboring public) should be negligible in comparison to the risk they already have in their daily life.
2. Work force on the plant should be expected to accept a potentially greater risk than members of the local community since the work force have been trained to protect themselves from the possible hazards and thus reducing the actual risk to themselves.

Risk criteria considered by Green A.G. (1982) are given as below -

- A.** Risk to Plant: This risk is to be given priority only when it is proved beyond doubt that the risk to life is so low that reducing this risk may not be justified. Under this consideration, the risk to economic damage may be considered.
- B.** Risk to Public and Employees: The scale used for risk to employee and public is Fatal Accident Rate (F.A.R.) or more commonly Fatal Accident Frequency Rate (F.A.F.R.). The F.A.R. and F.A.F.R. is defined as number of deaths from industrial injury expected in a group of 1000 worker during their working period. For more details, w.r.t. this aspect, **Chapter - 7** of Draft EIA referred.

14. SALIENT FEATURES OF EMP

The following routine monitoring programme as detailed in Table 22 shall be implemented at site. Besides, to this monitoring, the compliances to all Environmental Clearance conditions and regular permissions from CPCB / MoEFCC shall be monitored and reported periodically

Table 23 - Environmental Monitoring During Project Operation Stage

No.	Attribute	Location	Parameters for Monitoring	Frequency of Monitoring	Conducted By
1	Air Emissions	Ambient Air Quality (AAQ) : 3 Locations (Near Main Gate, Near Incinerator Shed, Near Parking Area)	PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, NH ₃ , Ozon, As, Pb, Ni, Benzene, B(a)P, VOC	Quarterly or CPCB / MPCB requirement	MoEFCC and NABL Approved Laboratory
		Work Zone Air Quality Monitoring – 2 Locations (Incinerator Shed & Autoclave Shed)		Quarterly or CPCB / MPCB requirement	
2	Stack Emissions	Incinerators and DG Sets - 2 Nos.	TPM, SO ₂ , NO _x , Dioxins, Furans, HCl, Hg and its compounds	Quarterly or CPCB / MPCB requirement	MoEFCC & NABL Approved Laboratory
3	Noise	Ambient Noise - 5 Locations (Near Main Gate, Near Incinerator Shed, Near Store Room, Near Parking area and Autoclave Shed)	Spot Noise Level recording; Leq(n), Leq(d), Leq(dn)	Quarterly or CPCB / MPCB requirement	MoEFCC and NABL Approved Laboratory
		Work zone Noise - 5 Locations (Incinerator Shed, Recycling Material Shed, Vehicle Repair Shed and Autoclave Shed)		Quarterly or CPCB / MPCB requirement	
4	Effluents	ETP - (Treated & Untreated) 2 Nos. of Samples	PH, TSS, TDS, BOD, COD, Chlorides, Sulphates, Oil & Grease	Quarterly or CPCB / MPCB requirement	MoEFCC and NABL Approved Laboratory
5	Drinking water	Administration Building	Parameters as per drinking water Std.	Quarterly or CPCB / MPCB requirement	MoEFCC & NABL Approved Laboratory
6	Water Quality (Ground Water & Surface Water)	Locations in Study Area are - Ground Water (GW): 8 Nos. Surface Water (SW): 8 Nos.	Comprehensive monitoring as per IS 10500:2012	Quarterly or CPCB / MPCB requirement	MoEFCC and NABL Approved Laboratory
7	Waste Management	Implement waste management plan that Identifies and characterizes every waste associated with proposed CBWTF activities and which identifies the	Records of Solid and Hazardous Waste Generation, Treatment and	Twice in a year	By Life Secure Enterprises

No.	Attribute	Location	Parameters for Monitoring	Frequency of Monitoring	Conducted By
		procedures for collection, handling & disposal of each waste arising.	Disposal shall be maintained		
8	Emergency Preparedness such as Fire Fighting	Fire protection and safety measures to take care of fire and explosion hazards, to be assessed and steps taken for their prevention.	On site Emergency Plan, Evacuation Plan, firefighting mock drills	Twice in a year	By Life Secure Enterprises
9	Green Belt	Additional Plantation of indigenous trees in premises along compound wall, internal roads, buildings as well as nearby villages.	Survival rate of planted sapling	In consultation with DFO	By Life Secure Enterprises
10	Health Check up	Employees and migrant labor health checkups	All relevant health checkup parameters as per factories act.	Once in a Year	By Life Secure Enterprises
11	CER	As per activities	--	Twice in a year	By Life Secure Enterprises

Executive Summary in Marathi

लार्डफ बिक्युअर एंटरप्राइजेस

मु/पो. करंजविहिरे, ता. खेड, जि. पुणे, महाराष्ट्र
यांच्या

सामान्य जैव-पैद्यकीय कचरा प्रक्रिया आणि विल्हेवाट सुविधा प्रकल्प (CBWTF)
स्थापनेसाठीचा मसुदा पर्यावरणीय आघात मूल्यांकन अहवालाचा (Draft EIA)
कार्यकारी भाषांश

१. प्रकल्पा विषयी थोडक्यात

लार्डफ बिक्युअर एंटरप्राइजेस (एल.एम्.इ.) यांच्या व्यवस्थापनाचे सामान्य जैव-पैद्यकीय कचरा प्रक्रिया आणि विल्हेवाट सुविधा प्रकल्प (CBWTF) स्थापनेचे नियोजन केले आहे. हा प्रकल्प इंडस्ट्रियल प्लॉट नं.५, गट.नं. ३५६ (पार्ट), ३६६(पार्ट), ३६९(पार्ट), ३७०(पार्ट), ३७२(पार्ट), ४०२, ४०३, ४०४, ४०५, ४०६, ४०७ व ४०८ मु/पो. करंजविहिरे, ता. खेड, जि. पुणे, महाराष्ट्र.

हा अहवाल १४.०९.२००६ च्या पर्यावरणीय आघात मूल्यांकन (EIA) अधिभूचना क्रमांक एम्. ओ. १५३३ (इ) आणि पर्यावरण, वन आणि हवामान खदल, नवी दिल्ली मंत्रालयाने (MoEFCC) जारी केलेल्या त्यानंतरच्या सुधारणांच्या एकूण संदर्भात तयार केला आहे. पर्यावरणीय आघात मूल्यांकन (EIA) अधिभूचना क्रमांक एम्. ओ. १५३३ (इ) दिनांक १४.०९.२००६ च्या तरतुदीनुसार आणि पर्यावरण, वन आणि हवामान खदल, नवी दिल्ली मंत्रालयाने (MoEFCC) जारी केलेल्या त्यानंतरच्या सुधारणांच्या एकूण संदर्भात प्रस्तावित विस्तारिकरण प्रकल्प हा श्रेणी सी १ अनुसूची ७ डी ए अंतर्गत कॅटगरीमध्ये येतो आणि त्याचे मूल्यांकन राज्यस्तरीय तज्ञ मूल्यांकन समिती (SEAC) आणि राज्यस्तरीय पर्यावरण आघात मूल्यांकन प्राधिकरण (SEIAA) द्वारे केले जाते.

राज्यस्तरीय पर्यावरण आघात मूल्यांकन प्राधिकरण (SEIAA), महाराष्ट्र द्वारे फाईल क्रमांक SIA/MH/INFRA2 /464420/2024 दिनांक २५.०७.२०२४ रोजी जारी केलेल्या मानक अटीमध्ये (ToRs) नमूद प्रकल्पासंदर्भातील आवश्यक माहिती समाविष्ट करून सदरचा प्रकल्प स्थापनेसाठीचा पर्यावरणीय आघात मूल्यांकन मसुदा अहवाल तयार करण्यात आला आहे.

सदर प्रकल्पामध्ये आगामी ऋणालये आणि इतर जागेमधून तयार होणारा जैव-पैद्यकीय कचरा, आरोग्य क्षेत्र आणि संशोधन सुविधांच्या संख्येतील वाढ, वाढती आरोग्य क्षेत्र आणि वाढती ऋणसंख्या, झाडांच्या वाढत्या भौगोलिक व्याप्तीमुळे होणारा वाढीव जैव-पैद्यकीय कचरा त्यासंबंधित मानवी आरोग्य आणि पर्यावरणावर होणारे दुष्परिणाम कमी करण्यासाठी जैव-पैद्यकीय कचरा (BMW) शास्त्रीय पद्धतीने प्रक्रिया केली जाईल.

प्रस्तावित प्रकल्प राबिताना सुरक्षिततेचे नियम व पर्यावरणाचे संरक्षण करण्याच्या अर्थ गोष्टीची खबरदारी घेतली जाईल.

प्रस्तावित प्रकल्पाची भांडवली गुंतवणूक रु. ५७४ लाख इतकी आहे.

२. प्रकल्पाची जागा

सामान्य जैव-पैद्यकीय कचरा प्रक्रिया आणि विल्हेवाट सुविधा साठीचे अंतिम स्थान सीपीसीसी (CPCB) मार्गदर्शक तत्त्वे २१ डिसेंबर २०१६ मधील जमिनीच्या मार्गदर्शकतेनुसार असेल. सदर जागेचे भौगोलिक स्थान १८°४८'४०.७१" उत्तर अक्षांश आणि ७३°४३'२४.७२" पूर्व रेखांश आहे. जागा निपडीच्या मार्गदर्शकतेचे अनुपालन तक्ता १ मध्ये आणि पर्यावरणविषयक तपशील आणि प्रकल्प ठिकाण तपशील तक्ता २ मध्ये देण्यात आले आहे.

तक्ता क्रं. १ श्रीपीसीसी मार्गदर्शक तत्वांनुसार प्रकल्प ठिकाण निवड निकष

क्रं.	श्रीपीसीसी मार्गदर्शक तत्त्वे	LSE अंदाजित प्रकल्प ठिकाण निवडीचे तपशील
१	स्थान निकष: अधिभूचित औद्योगिक क्षेत्र	अनधुभूचित औद्योगिक क्षेत्र, जणभुनावणी (PH) लागू
२	आवश्यक जमीन: १ एकरपेक्षा कमी नाही	प्रस्तावित भूखंड क्षेत्र : ०.४७५२ हेक्टर (≈ १ एकर)
३	CBWTF चे व्याप्त क्षेत्र	Aa per CTE dated 22.04.2024; The Jurisdiction allocated for waste collection: a) Tal. Maval – Talegaon Dabhade, Kamshet, Lonavala, Vadgaon. b) Tal. Khed – Rajgurunagar, Chakan, Khed, Manchar, Mahalunge. c) Tal. Junnar – Narayangaon, Junnar, Otur, Alephata. d) Tal. Khalapur – Khopoli e) Tal. Haveli – Lohagaon, Kirkitwadi, Khadakwasla, Dhayri, Warje Malwadi, Undri, Yewalewadi, Dehugaon. f) Tal. Mulshi – Hinjewadi, Pirangut, Narhe, Lavale, Susgaon, Maharunje, Nandedgaon, Ambegaon, Balewadi, Bavdhan, Bhugaon. g) Tal. Shirur – Shirur, Ranjangaon Ganpati, Sanaswadi, Lonikand, Shikrapur h) Dehuroad Cantonment Board.
४	मूलभूत सुविधांची उपलब्धता	पाणी, वीज, मनुष्यबळ, ढळणवळणाच्या सुविधा
५	पुनर्वसन	आवश्यकता नाही

प्रस्तावित सामान्य जैव-पैद्यकीय कचरा प्रकिया आणि विल्हेवाट सुविधा प्रकल्पाचे एकूण क्षेत्र ०.४७५२ हे.व. आंधकाम क्षेत्र ०.०८७६ हे. एवढे आहे. ई.आय.ए रिपोर्टच्या Annexure - A ला Plot Layout Plan लावला आहे. प्रकल्पासाठी लागणारे ना हरकत प्रमाणपत्र हे ग्रामपंचायत करंजविहिरे यांच्याकडून घेतले आहे ते ई.आय.ए रिपोर्टमध्ये जोडले आहे. जमीन अशा प्रकारे निवडण्यात आली आहे की जेथे पुनर्वसन आणि जंगलबाधा समस्या होणार नाहीत. एकूण भूखंडाच्या ३४% क्षेत्रफळाचा हदित पट्टा साकारण्यात येईल.

३. प्रकल्प प्रवर्तकांची ओळख

एल.एन.इ.च्या प्रवर्तकांना जैव-पैद्यकीय कचरा प्रकिया आणि विल्हेवाट सुविधा प्रकल्प क्षेत्रामधील चांगला अनुभव आहे. प्रकल्प प्रवर्तकांचे नाव आणि हुद्दा खालीलप्रमाणे -

तक्ता क्रं. २ प्रकल्प प्रवर्तकांचे नाव व हुद्दा

क्र.	प्रवर्तकाचे नाव	हुद्दा
१.	श्री. सुहास मेडकिंगे	कार्यकारी संचालक
	श्री. मुजीष पटेल	भागीदार
	श्री. संभाजी जाधव	
	सौ. निवेदिता जाधव	

४. उद्देश

जैव-पैद्यकीय कच-यामुळे मानवी आरोग्य आणि पर्यावरणाला निर्माण होणा-या संभाव्य आघातांची CBWTF प्रकल्प अर्थसमावेशकपणे काळजी घेतो. संकलित केलेल्या एकूण जैव-पैद्यकीय कच-यापैकी सुमारे ३५% हा पुनर्वापर करण्यायोग्य असल्याने त्यावर पुढील प्रकिया केल्यास शेवटी कच-यातून संपत्ती निर्माण होईल. खाजगी स्वरुणालये नर्सिंग होमस आणि दवाखाने ज्यांना स्वतःची प्रकिया आणि विल्हेवाट सुविधा उभा करण्यात जास्त खर्च यति असल्याने त्यांना त्याची व्यवस्था उभा

करण्यात येणा-या अडचणी पाहता प्रकिया आणि विल्हेवाट करण्यासाठी केंद्रिकृत प्रणालीची गरज भासू लागली.

बीपीबीबीने आपल्या २०१६ च्या मार्गदर्शक तत्वांमध्ये असे नमूद केले आहे की कोणत्याही क्षेत्रात विहित प्राधिकरणाने फक्त एका CBWTF ला मंजूर केलेल्या दराने १०००० खेडपर्यंत प्रदानगी दिली जाऊ शकते. खेडची संख्या अधिक असल्याने या परिभरात निर्माण होणा-या जैव-वैद्यकीय कच-याचे उत्तम व्यवस्थापन आणि प्रकिया सुनिश्चित करण्यासाठी आणखी एक CBWTF स्थापन केला जाऊ शकतो. तथापि निर्माण होणारा प्रचंड कचरा भ्रष्ट्याच्या सुविधाद्वारे प्रभावीपणे कार्यक्षमतेने आणि वेळेवर व्यवस्थापित केला जाऊ शकत नाही तसेच मक्तेदारी ज्यातून ग्राहकांचे पूर्ण समाधान होणार नाही.

उपरोक्त जिल्हयातील अर्ध आरोग्य सेवा स्थापनांना दिलासा देण्यासाठी मक्तेदारीच्या वातावरणातून दिलासा देण्यासाठी ही पर्यायी सुविधा खर्च-प्रभावी कार्यक्षम आणि वेळेवर मोठ्या प्रमाणात जैव-वैद्यकीय कच-याचे व्यवस्थापन करेल ज्याची हाताळणी एका सुविधेद्वारे नियंत्रित करणे नेहमीच योग्य नाही.

त्यामुळे **लाईफ भिक्युअर एंटरप्राइजेस (LSE)** व्यवस्थापनाने ५ मेट्रिक टन प्रति दिन प्रकिया करण्याची क्षमता असलेल्या सामान्य जैव-वैद्यकीय कचरा प्रकिया आणि विल्हेवाट सुविधेची (CBWTF) स्थापना करण्याचा प्रस्ताव दिला आहे. आरोग्य सेवा आणि संशोधन सुविधांच्या संख्येतील वाढ वाढती आरोग्य सेवा आणि वाढती रूग्णसंख्या शहराच्या वाढत्या भौगोलिक व्याप्तिमुळे होणारा वाढीव जैव-वैद्यकीय कचरा त्याचखरोबर मानवी आरोग्य आणि पर्यावरणावर होणारे दुष्परिणाम कमी करण्यासाठी जैव-वैद्यकीय कच-यावर वैज्ञानिक पद्धतीने प्रकिया करण्याची मागणी वाढत आहे. संकलन क्षेत्रामध्ये अधिकअधिक कचरा निर्माण होत असल्यामुळे प्रवर्तकांना सामान्य जैव-वैद्यकीय कचरा प्रकिया आणि विल्हेवाट सुविधा (CBWTF) स्थापन करण्यास प्रवृत्त केले आहे.

५. मागणी पुरवठा तफावत

लाईफ भिक्युअर एंटरप्राइजेस (एल.एन.इ.) यांचे MIMER, मेडिकल कॉलेज, तळेगांव दाभाडे, पुणे येथे १२ वर्षांपासून सामान्य जैव वैद्यकीय कचरा प्रकिया आणि विल्हेवाट सुविधा प्रकल्प (CBWTF) सुरू आहे. LSE हे माणळ, खेड, हावेली, जुन्नर, आंभेगांव, मुळशी, शिरूर व खालापूर या तालुक्यातील आरोग्य सुविधांसाठी जैव वैद्यकीय कचरा प्रकिया आणि विल्हेवाट सुविधा पुरवत आहेत. अद्य इन्व्हेन्टरीची क्षमता ५० किलोग्रॅम/तास इतकी आहे. सुमारे २० तास प्रतिदिन संचालन केले जाते.

दिवसेंदिवस पुणे आणि रायगड जिल्ह्यामध्ये आरोग्य सेवा स्थापना जैविक प्रयोगशाळा, पॅथॉलॉजिकल लॅब आणि पशु वैद्यकीय यांमधून तयार होणारा जैव-वैद्यकीय कच-याचे प्रमाण वाढत आहे. तसेच उपरोक्त जिल्हयातील खेडची संख्या अधिक असल्याने या परिभरात निर्माण होणा-या जैव-वैद्यकीय कच-याचे उत्तम व्यवस्थापन आणि प्रकिया सुनिश्चित करण्यासाठी आणखी एक CBWTF स्थापन केला जाऊ शकतो. तथापि निर्माण होणारा प्रचंड कचरा भ्रष्ट्याच्या सुविधाद्वारे प्रभावीपणे कार्यक्षमतेने आणि वेळेवर व्यवस्थापित केला जाऊ शकत नाही तसेच मक्तेदारी ज्यातून ग्राहकांचे पूर्ण समाधान होणार नाही. याच अतिरीक्त जैव-वैद्यकीय कच-याच्या विल्हेवाट करण्याच्या समस्येचे शास्रीय पद्धतीने निराकरण करण्यासाठी भ्रष्ट्याच्या CBWTF प्रकल्पाचे विस्तारिकरण करणेचे गरजेचे आहे. वाढीव जैव-वैद्यकीय कच-यावर प्रकिया करण्यासाठी अद्य प्रकल्प पूर्ण क्षमतेने चालविणे हे LSE साठी आव्हानात्मक आहे कारण अतिरीक्त जैव-वैद्यकीय कच-यावर प्रकिया करण्यासाठी प्लांट आणि यंत्रसामग्रीची पारंपार देखभाल हे प्रकल्पाच्या दैनंदिन कामकाजात अडथळा निर्माण करत असून अद्य प्रकल्पाचे विस्तारिकरण करणेचे गरजेचे आहे. परंतु MIMER, मेडिकल कॉलेज, तळेगांव दाभाडे, पुणे यांनी LSE स्थापनेसाठी २६५६ वर्ग मी इतके क्षेत्र दिले आहे जे की विस्तारिकरणासाठी पुरेसे नाही. CPCB मार्गदर्शक तत्वे, २०१६ मध्ये दिलेल्या निकषानुसार CBWTF प्रकल्पासाठी आवश्यक जमीन ही १ एकरपेक्षा कमी असू नये. याकारणास्तव LSE लाईफ भिक्युअर एंटरप्राइजेस यांच्या व्यवस्थापनाने नवीन जागेमध्ये संपूर्णपणे नवीन सामान्य जैव वैद्यकीय कचरा

प्रक्रिया आणि विल्हेवाट भुविधा प्रकल्प (CBWTF) स्थापनेचे नियोजन केले आहे. नवीन CBWTF पूर्ण कार्यक्षमतेने सुरू झाल्यानंतर तळेगाव दाभाडे येथील कार्यरत अशलेला प्रकल्प पूर्णपणे बंद करण्यात येईल.

याशिवाय सीपीसीसीने मे २०१६ मध्ये प्रकाशित केलेल्या घनकचरा व्यवस्थापन नियम २०१६ नुसार अंकलन क्षेत्र (Allocated in MPCB Consent to Establish) येथील अॅनिटरी वेस्ट निर्मितीचाही विचार केला जाईल. राज्यातील खाटांच्या संख्येचा वाढीचा दर आणि सीपीसीसी मार्गदर्शक तत्वे २०१६ मध्ये दिलेल्या पुढील १० वर्षांचा कालावधी धरता तसेच कोविड भावनेच्या अप्रत्याशित परिस्थिती लक्षात घेता भविष्यात राज्यात आणखी CBWTF ची आवश्यकता भासेल.

६. जैव-वैद्यकीय कचरा-याचे प्रमाणीकरण

प्रस्तावित CBWTF अंतर्गत जैव-वैद्यकीय कचरा निर्मितीचे तपशील खालीलप्रमाणे आहेत

तक्ता क्र. ३ जैव-वैद्यकीय कचरा निर्मिती तपशील

No.	अंकलन क्षेत्र (तालुके पुणे) Jurisdiction allocated in MPCB Consent	Bedded HCF	Non-bedded HCF	Total Bed
1	ता. मावळ: तळेगाव दाभाडे कामशेत लोणावळा वडगाव	275	96	2750
2	ता. हावेली: लोहगाव किरकितेवाडी खडकवाभला धायरी वारजे माळवाडी डंढी येवळेवाडी देहूगाव	94	33	577
3	देहूरोड कॅन्टोनमेंट बोर्ड			
4	ता. खेड: राजगुरुनगर चाकण खेड मंचर महाळुंगे	257	81	2302
5	ता. जुन्नर: नाशायणगाव जुन्नर ओतुर आवळेफाटा	179	53	677
6	ता. मुळशी: आंबेगाव	106	38	493
7	ता. मुळशी: हिंजेवाडी पिरंगुट न-हे लावळे सुभगाव महाराजें नांदेडगाव आलेवाडी आवधान भुगाव	199	47	839
8	ता. शिरूर: शिरूर राजणगाव गणपती अनभवाडी लोणीकंद शिकापूर	205	63	994
9	ता. खालापूर: खोपोली	28	53	323
	TOTAL	1343	464	8955
	शेरा: <ul style="list-style-type: none"> जाळण्यायोग्य कचरा : २७० ग्रॅम/थेड/दिन एकूण थेडची संख्या : ८९९५ जैव-वैद्यकीय कचरा निर्मिती = ८९९५ × २७० = २४१८ किलो/दिन = २.४२ मेट्रिक/दिन 			

(Source: Existing Unit Track History)

१. आधारेण अॅनिटरी वेस्ट पाहून अंकलन क्षेत्रामध्ये जैव-वैद्यकीय कचरा निर्मिती - १.२५ मेट्रिक टन/दिन
२. HCFs पाहून जैव-वैद्यकीय कचरा निर्मिती - २.४२ मेट्रिक टन/दिन
३. इतर जैव-वैद्यकीय कचरा निर्मिती (स्रोत: मेडिकल लॅब्स व्हाईट अँड श्यागवे रिसर्च लॅब्स व्हेटनरी पॅथोलॉजी - १ मेट्रिक टन/दिन
४. एकूण जैव-वैद्यकीय कचरा निर्मिती - ४.६७ मेट्रिक टन/दिन
५. प्रस्तावित इन्फान्फेक्शन कचरा क्षमता = २५० किलोग्रॅम/तास (२० थेंब /दिन)
= २५० × २० = ५००० किलोग्रॅम/दिन
= ५ मेट्रिक टन/दिन

७. ऑपवेशन - आकार किंवा परिमाण

प्रस्तावित CBWTF अंतर्गत स्थापित करावयाच्या उपकरणांची यादी खालीलप्रमाणे आहे -

तक्ता क्र. ४ CBWTF भुविधा तपशील

क्रं	उपकरणे	स्थापित क्षमता	कार्यक्षम क्षमता/ दिवस	संख्या
१	इन्डिगनबेटर	२५० किग्रॅ/तास	२० खंच प्रतिदिन	०१
२	ऑटोकलेव्ह	६०० लि./ भायकल	१४ भायकल प्रतिदिन दोन ऑटोकलेव्हसाठी (१० मिनिटांची एक भायकल)	०२
३	श्रेडर	१२० किग्रॅ/तास	२० खंच प्रतिदिन	०१
४	एफ्लुएंट ट्रीटमेंट प्लांट (ETP)	२५केएलडी	—	०१
५	सीपेज ट्रीटमेंट प्लांट (STP)	२ केएलडी	—	०१

८. CBWTF प्रक्रिया तपशील

जैव-पैद्यकिय कच-याच्या प्रक्रियेसाठी एकात्मिक कचरा व्यवस्थापन प्रणालीने ऑपवेशन पूर्ण करण्यासाठी प्रक्रियेच्या विविध टप्प्यांचा विचार करणे आवश्यक आहे. प्रक्रियेतील हे मुख्य घटक खाली म्हटल्याप्रमाणे विस्तृतपणे परीक्षित केलेले आहेत -

१. उगमस्थानी कच-याचे पृथक्करण
२. कचरा संकलन आणि वाहतूक
३. कचरा प्रक्रिया भाठवण आणि विल्हेवाट

९. प्रस्तावित प्रक्रिया तंत्रज्ञान

• इन्डिगनवेशन

ही एक नियंत्रित ज्वलन प्रक्रिया आहे जिथे कचरा पूर्णपणे ऑक्सीडाइझ केला जातो आणि त्यात असलेले हानिकारक सूक्ष्मजीव उच्च तापमान नष्ट / विकृत केले जातात. CPCB द्वारे तयार केलेल्या जैव-पैद्यकिय कचरा जाळण्याचे इन्डिगनबेटर डिझाईन आणि आंधकाम भाठीची मार्गदर्शक तत्त्वे अधिक चांगल्या जैव-पैद्यकिय कचरा इन्डिगनबेटर निपड / स्थापित करण्यासाठी पाळली जातील.

प्रस्तावित CBWTF अंतर्गत २५० किग्रॅ /तास क्षमतेचे इन्डिगनबेटर स्थापित केले जातील. सीपीसीसी नियमानुसार इन्डिगनबेटर हे द्रव्यम चेंबरच्या २ क्षेत्रांच्या निष्ठाच्या वेळेसह टिपन चेंबर प्रकारचे इन्डिगनबेटर असेल. हे कंट्रोल पॅनल अर्नर आणि तापमान सेन्सरशी देखील संलग्न असेल. यात BMW भाठी योग्य चार्जिंग द्यावे असेल.

• ऑटोकलेव्ह

ऑटोकलेव्हिंग ही कमी उष्णतेची थर्मल प्रक्रिया आहे जिथे कचरा निर्जंतुक करण्यासाठी पुरेशा कालावधीसाठी रेटीम नियंत्रित पद्धतीने कच-याच्या थेट संपर्कात आणली जाते. ऑपवेशनमध्ये भुलभतेसाठी आणि सुरक्षिततेसाठी बिस्टम क्षैतिज प्रकारची आणि केवळ BMW च्या उपकरणांसाठी डिझाईन केलेली असावी.

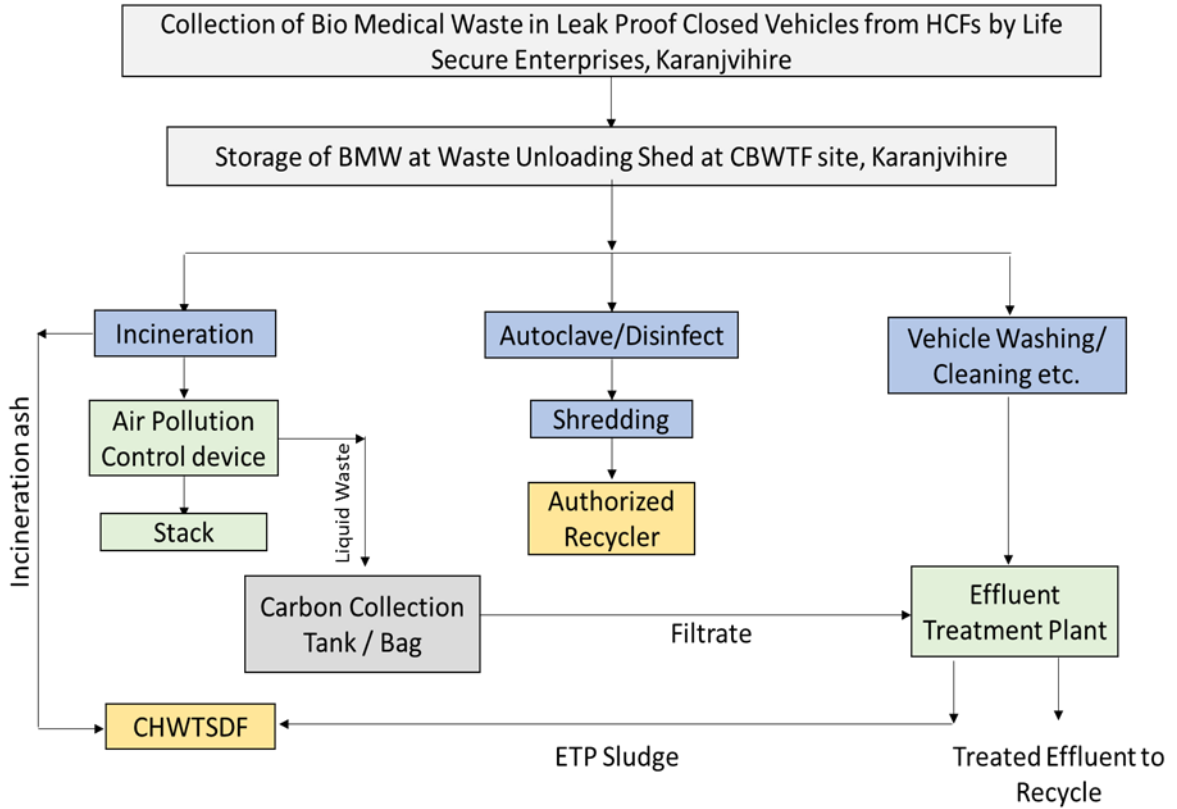
इष्टतम परिणामांसाठी गुरुत्वाकर्षण प्रकार प्रणालीच्या विरुद्ध प्री-व्हॅक्यूम आधारित प्रणालीला प्राधान्य दिले जाते. यात वेळ तापमान दाख ताशीख आणि खंच नंबर इत्यादींकरिता गंभीर पॅरामीटरसाठी कार्यक्षम प्रदर्शन आणि रेकॉर्डिंग उपकरणांसह छेडछाड-पूफ कंट्रोल पॅनल असेल. ऑटोकलेव्हची क्षमता ६०० लिटर/भायकल (२ संख्या) असेल.

- श्रेडर

श्रेडिंग ही एक प्रक्रिया आहे ज्याद्वारे ऑटोक्लेविंगनंतर पुनर्वापर करता येण्याजोगा कचरा डी आकारात टाकला जातो किंवा तो कचरा ओळखता न येण्याजोगा खनवण्यासाठी त्याचे छोटे तुकडे केले जातात. हे BMW पुनर्वापरान्न प्रतिबंध करण्यास मदत करते आणि कच-याचे निर्जंतुकरण केले गेले आहे आणि विल्हेवाट लावण्यासाठी सुरक्षित आहे हे ओळखणारे म्हणून देखील काम करते. १० HP मोटरसह १२० किगॅ/तास क्षमतेचे टॉप चार्जिंग प्रकारचे श्रेडर स्थापित केले जाईल.

- प्रस्तावित CBWTF अंतर्गत प्रक्रिया ऑपरेशन प्लो योजना खालीलप्रमाणे आहे -

आकृती क्रं. १ - प्रक्रिया ऑपरेशन प्लो योजना



- जैव-वैद्यकीय कचरा अंकलनासाठी वापरण्यात येणारी वाहने

जैव-वैद्यकीय कचरा अंकलनासाठी वापरल्या जाणा-या वाहनांचे तपशील तक्ता - ५ मध्ये दिले आहेत.

तक्ता क्रं. ५ जैव-वैद्यकीय कचरा अंकलनासाठी वापरल्या जाणा-या वाहनांचे तपशील

क्रं	वाहन प्रकार	प्रमाण (संख्या)
१	टाटा एस ४ चाकी टेम्पो	६
२	महिंद्रा जीतो ४ चाकी पिकअप	३
३	टाटा इंट्रा कॉन्सिअर ४ चाकी	१
	एकूण	१०

वरील सर्व वाहने एमपीसीसी आणि बीपीसीसी नियमानुसार चालविली जातील. ही वाहने अंदा अक्षतील ज्यावर जैव धोक्याची चिन्हे अक्षतील. सर्व वाहने जीपीएम प्रणाली वार कोड प्रणाली आणि बकेलने सुरक्षित अक्षतील.

१०. पर्यावरणीय पैलू

प्रस्तावित CBWTF मध्ये प्रदूषणाचे भ्रोट प्रामुख्याने इन्डिअनवेडान, ऑटोक्लेव्ह, डीजी सेट इ. जे ऑपरेडान्श आणि प्रक्रियांमधून अक्षतील. पत्रील ब्रोटतांमुळे होणाऱ्या आघातांची तपशीलवार ओळख आणि प्रमाण वेगळे करण्यात आले पर्यावरणीय पैलू (१) जल प्रदूषण (२) वायू प्रदूषण (३) ध्वनी प्रदूषण (४) घातक कचरा (५) घनकचरा आणि (६) जमीन प्रदूषण.

१) पाणी वापर, भांडपाणी निर्मिती आणि त्याची प्रक्रिया

➤ पाण्याचा वापर

एकूण आवश्यक पाणी २५.५ घनमीटर प्रतिदिन (ताजे - ८.५ घनमीटर प्रतिदिन + प्रक्रिया केलेले (ETP) १७ घनमीटर प्रतिदिन) असेल. प्रस्तावित उपकरणासाठी ताज्या पाण्याची गरज करंजपिहिबे ग्रामपंचायतीमधून भागवली जाईल. पाण्याचे उत्तम व्यवस्थापन सुनिश्चित करण्यासाठी प्लांटमध्ये रेन वाटर हार्व्हिंग सिस्टीम देखील स्थापित केले जाईल प्रस्तावित उपकरणांतर्गत पाण्याच्या गरजेचा तपशील खाललिप्रमाणे आहे

➤ भांडपाणी प्रक्रिया

• घरगुती भांडपाणी

०.८ घनमीटर प्रतिदिन घरगुती भांडपाणी तयार होईल आणि सेप्टिक टँकमध्ये आणि त्यानंतर १ केएलडी क्षमतेच्या भांडपाणी प्रक्रिया केंद्रामध्ये प्रक्रिया केली जाईल.

• औद्योगिक भांडपाणी

प्रस्तावित सुविधेतून निर्माण होणारे भांडपाणी १८ घनमीटर प्रतिदिन असेल. तोटा लक्षात घेता १५ घनमीटर प्रतिदिन हे प्रक्रिया केलेले (ETP) पाण्याचा पूर्णवापर केला जाईल. प्रस्तावित सुविधेतून निर्माण होणाऱ्या भांडपाण्यावर प्रस्तावित भांडपाणी प्रक्रिया केंद्रामध्ये (क्षमता - २५ घनमीटर प्रतिदिन) प्रक्रिया केली जाईल.

तक्ता क्रं. ६ औद्योगिक आणि घरगुती क्रियाकलापांसाठी पाण्याचा वापर (घनमीटर प्रतिदिन)

क्रं	वर्णन	पाणी वापर	भांडपाणी निर्मिती
१	घरगुती	#२.३	१.८
२	औद्योगिक		
	अ) प्रक्रिया (चिलर + प्लेचुरी ब्रुअर + ऑटोक्लेव्ह + प्लेईकल वॉशिंग)	१८ (*१५ + #३)	१५
	ब) लॅथ + इक्विपमेंट + फ्लोअर वॉशिंग	#३	३
३	एकूण औद्योगिक (अ+ब)	२१ (*१५ + #६)	१८
४	हरितपट्टा	@२	--
	एकूण (१+२+३+ ४)	२५.३ (#८.३ + *१५ + @२)	--

नोंद - # - शुद्ध पाणी, * - ETP प्रक्रिया केलेले पाणी, @ - STP प्रक्रिया केलेले पाणी

२) वायु उत्सर्जन

प्रस्तावित CBWTF मध्ये प्रस्तावित २५० किलोग्राम प्रति दिन क्षमता असलेले इन्डिशनरेटर ज्यासाठी इंधन म्हणून HSD ग्राॅइल २० लिटर प्रति तास वापरले जाईल. 160 केव्हीए (KVA) क्षमता असलेले डिझेल जनरेटर (DG) अंशपिले जातील. इन्डिशनरेटरला चिलर/कॅचर, व्हेचुरी रेकलर, पॅकड कॉलम ड्रॉपलेट सेपरेटर व फॅब्रिक फिल्टर अंग हे हवा प्रदुषण नियंत्रण उपकरण (APCD) अंशपिले जातील. प्रदुषण नियंत्रण करण्यासाठी ३० मी. उंचीची चिमणी अंशपणार आहे. डी.जी अंचचा एकड्राॅट चिमणी व्हावे पुरेशी उंची ठेवून वातावरणात भोडला जाईल. डी.जी अंचचा वापर फक्त वीज अिघाडाच्या वेळी केला जाईल. प्रस्तावित उपकरणांतर्गत हवा प्रदुषण नियंत्रण उपकरणांअह इन्डिशनरेटर आणि डी.जी अंचचे तपशील खालिलप्रमाणे आहेत

तक्ता क्रं. ७ इन्डिशनरेटर आणि चिमणी तपशील

क्रं	वर्णन	तपशील	
१	चिमणी क्रं (एअर)	एअर १	एअर २
२	चिमणी जोडली आहे	इन्डिशनरेटर	D.G अंच
३	क्षमता	२५० किलोग्राम प्रति तास	160 केव्हीए
४	इंधन प्रकार	HSD	
५	इंधन प्रमाण (लि. /तास)	२०	८
६	अंधकाम अाहित्य (एमओबी)	एमएअर	
७	अाकार (गोलकार/अायताकृती)	गोलकार	
८	उंची (मी)	30	3 (ARL)
९	व्यास/अाकार	1200 X 600 मिमी	100 मिमी
१०	चिमणीला असलेले वायु प्रदुषण नियंत्रण उपकरण	चिलर/कॅचर, व्हेचुरी रेकलर, पॅकड कॉलम ड्रॉपलेट सेपरेटर व फॅब्रिक फिल्टर अंग	-

• फ्युजिटिफ्ल अाणि प्रक्रिया उत्सर्जन

चिमणीच्या दुय्यम वेंअरमधील फ्लू वायु प्रदुषण नियंत्रण प्रणालीमधील डाउनस्ट्रीम मधून पास केला जाईल ज्यामध्ये मल्टीआयकलोन व्हेचुरी रेकलर आयकलोनिक पॅकड टॉवर ड्रॉपलेट सेपरेटर अाणि त्यानंतर आयडी फॅन अाणि चिमणीचा अमावेश आहे. व्हेचुरी रेकलर हे उच्च ऊर्जेचे उपकरण आहे जिथे अंश मायक्रोनिक कण तसेच अाम्ल वायु कॉरिंटक द्रावणाने शोषून काढून टाकाले जातात अाणि कन इन्श्रिअल इम्पाकशन ऊर्जव्हावे काढले जातात.

फ्ल्यू वायू ड्रॉपलेट विभाजकात प्रवेश करतात जो आयकलोनिक प्रकारचा आहे. सेपिट्रफुगल फोर्स च्या मदतीने फ्लू वायूमध्ये असलेले मोठे थेंअ अिधर केले जातात. हे आयडी फॅनच्या इंपेलरचे अंरक्षण करण्याअ मदत करते. आयडी फॅन अॅलन्अ ड्राफ्ट मध्ये अमतोल राखतो अाणि ३० मीटर उंच चिमणीव्हावे अचछ वायू वातावरणात अाहेर भोडतो. इन्डिशनरेशन प्रक्रियेच्या शेवटी उबलेली निर्जंतुक राख एका काळ्या रंगाच्या HDPE पिशापीत पॅक केली जाते. या पिशाव्या नंतर विल्हेवाटीसाठी अॅनिटरी लॅंडफिलला नेल्या जातात.

LSE च्या प्रस्तावित CBWTF अंतर्गत प्रक्रिया उत्सर्जनाचे अत्यंत प्रमुख्याने इन्डिशनरेटमधून असतील. उत्सर्जन हे प्रतिक्रिया न झालेला वायु वीअ्रोबी प्रतिक्रिया न झालेला अक्रिय उत्पादन निर्मि ती प्रक्रिया लॉडिंग अाणि अनलॉडिंग वाहिन्यांचे शुध्दिकरण पृष्टभागाचे अाषिअवन अाणि अरणे अाणि जाळण्याच्या वेळी होणारी अयोठ्य तापमान परिस्थिती याआरख्या विविध क्रियामध्ये होऊ शकते.

९) हरित पट्टा विकास

- एकूण भ्रमंड क्षेत्राच्या ३४% म्हणजेच १६६३ वर्ग मी हरित पट्टा विकसित केला जाणार आहे
- पैशिष्टे: शोल्डरबेल्ड पृष्ठावपण (प्लॉटचे पॉकेट) लॅंडस्केपिंग आणि लॉन.
- प्रजातीचे पृष्ठावपण स्त्रीपीस्त्रीणी नियमांनुसार केले जाईल (कार्यक्रम उद्दिष्ट मालिका: PAOBES/75/1999-२०००)

➤ हरित पट्टा विकास योजनेसाठी निकष

हरित पट्ट्याचा विकास करण्यासाठी SPM, SO_२ चे उत्सर्जन हा मुख्य निकष आहे. SPM आणि SO_२ च्या उत्सर्जनाचे परिणाम कमी करण्यासाठी हरित पट्ट्याचा विकसित केला जातो. शिवाय प्रस्तावित हरित पट्ट्यातील पृष्ठांमुळे मोठ्या प्रमाणात आवाजाच्या परिभवात आवाजावरही नियंत्रण करते.

१०) पर्यावरण व्यवस्थापन योजना

LSE मध्ये पर्यावरण अधिकारी कार्यकारी संचालक सुरक्षा अधिकारी ETP केमिस्ट ऑपरेटर आणि सहाय्यक कर्मचारी यांच्यासह ६ पात्र आणि अनुभवी व्यक्तींचा पर्यावरण व्यवस्थापन कक्ष (EMC) असेल. प्रस्तावित सुविधे मध्ये पर्यावरणीय पैलूंसाठी भांडवल तसेच देखभाल (O&M) खर्चाचे तपशील खालीलप्रमाणे आहेत -

तक्ता क्रं. १० पर्यावरण व्यवस्थापन योजना तपशील (EMP)

क्र.	तपशील	खर्च (रु. लाख मध्ये)	
		भांडवली गंतवणूक	वार्षिक देखभाल व दुरुवती
१.	हवा प्रदूषण नियंत्रणासाठी लागणारा खर्च - चिलर/कॉलेक्टर, व्हॅच्युमी रेकॉर्डर, पॅकड कॉलम झॉपलेट सेपरेटर व फॅब्रिक फिल्टर ऍग, ३० मी. उंचीची चिमणी, ऑनलाईन सिस्टीम	६०	१५
२.	जल प्रदूषण नियंत्रण: ई.टी.पी., एअर.टी.पी, ऑनलाईन सिस्टीम	३०	१०
३.	ध्वनी प्रदूषण नियंत्रण	५	१
४.	वावाचा उपद्रव रोखण्यासाठी	३	१
५.	एन्व्हायरमेंटल मॉनिटरिंग व मॅनेजमेंट	८	६
६.	आवोग्य व सुरक्षितता	५	२
७.	हरित पट्टा विकास व वेनपॉटर हार्पेक्टिंग	३	१
८.	Renewable Energy Implementation	२.५	०.५
९.	CHWTSDF (MEPL, Pune) चे सहाय्यत्व घेण्यासाठी	०.७५	--
	एकूण	११७.२५	३६.५

११) सामाजिक-आर्थिक विकास

सामाजिक व आर्थिक विकास अंतर्गत प्रकल्पास केंद्रस्थानीमानुन १० कि. मी. परीघ क्षेत्रामधील गावांचे सर्वेक्षण केले गेले. या अंतर्गत पैयक्तिकरित्या लोकांच्या मुलाखती मराठी प्रश्नावलीद्वारे (३२ प्रश्न) घेण्यात आल्या. अधिक माहितीसाठी EIA रिपोर्ट मधील प्रकरण - ३ सामाजिक व आर्थिक विकास मुद्दा पहा. सामाजिक व आर्थिक विकास अभ्यासामधील निरीक्षण आणि निष्कर्ष पुढीलप्रमाणे

मे २०२४ मध्ये रिंपल यादृच्छिक विषम आणि रिंत्रोल्ल रिंम्पलिंर तंत्र व्पाररुन वेळापत्रक प्रशासित केले गेले.

- प्रस्तावित प्रकल्पास जनतेचा सकारात्मक प्रतिस्ाद आहे. पैसे देण्याची तयारी आणि प्रकल्प रूढीकारण्याची इच्छा सकारात्मक परिणाम आहे. सामाजिक आणि सांस्कृतिक असुरक्षितता निर्देशांक रूूप कमी प्रतिस्ाद देतो आणि लवचिकतेची पातळी जास्त आहे. आजूषाजीच्या राहणा-या कुटुंबांना औद्योगिक विकासामुळे आणि विशेषतः संश्र्धित कालवधीत LSE व्यवस्थापन प्रणालीमुळे अधिक सुविधा मिळू शकतील.
- विकास प्रकल्प परिणाम वेगवेगळ्या स्वरूपात होतात.समाजासाठी महत्वपूर्ण फायदे होत असताना प्रकल्प क्षेत्रातील लोकांना अनेकदा प्रतिकूल परिणामांचा फटका शूभू शकतो. यामुळे प्रकल्पाच्या प्रतिकूल परिणामांचे परिणाम अगोदर असजून घेण्याची गरज निर्माण झाली आहे जेणेकरून कमी करण्याच्या योजना अगोदरच तयार करता येतील.
- जैववैद्यकिय कचरा प्रकल्पाच्या सध्याच्या प्रकल्पात समाजाला मोठा फायदा संसर्गजन्य जैव वैद्यकिय कच-याची योग्य विल्हेवाट लावण्याच्या रूपात होईल म्हणजे समाजाला गंभीर सारीच्या रोगास कारणीभूत ठरणा-या घातक संसर्गजन्य कच-यापासून शहर सुरक्षित होईल. जैव वैद्यकिय कच-याच्या धोक्यापासून सुरक्षिततेसुरेशरच प्रकल्पाच्या अंमलसजावणीतून विविध रोजगाराच्या संधी निर्माण होतील.

सामाजिक आर्थिक पैलूच्या तपशीलवर साहितीसाठी ससुदा EIA अहवालाचा प्रकरण - ३ पहा.

१२) इकोलॉजी - जैवविविधता

इकोलॉजी - जैवविविधतेचा अभ्यास ४० गावांपैकी ८ गावांमध्ये आणि अभ्यास क्षेत्राच्या १० किमी त्रिज्येमधील वस्त्यांमध्ये मुलाखतीच्या वेळापत्रकाच्या मदतीने करण्यात आला ससाठीतील २१ प्रश्न जे संर्वेक्षणापूर्वी तयार करण्यात आले होते आणि व्पारण्यात आले होते. वेळापत्रक मे २०२३ प्रशासित करण्यात आले.

जैवविविधता अभ्यासामध्ये वनस्पतीसाठी विशेषतः झाडांसाठी बॅडम रिंम्पलिंर मेथड आणि प्राण्यांसाठी ओप्परतुनिरिटक सायटींग मेथड (लार्सन आणि वियाना २०१६) पाळली गेली. संर्वेक्षाधारणपणे सायोटाच्या गुणात्मक अभ्यासासाठी दृश्य निरिक्षण आणि अंदाज पद्धती व्पारली गेली. पक्षी संर्वे क्षणात लाइन ट्रान्सेक्ट पद्धत (सेल आणि शर्कमुलर१९८८) आणि मानक पॉइंट मोजणी पद्धत (ऑल्टमन १९७४) पाळली गेली.

- अभ्यास क्षेत्र हे मानवनिर्मित परिवसंधेचे मोसाइक आहे जसे की शेती फलोत्पादन आणि नैसर्गिक वसथलीय परिवसंधा जसे की शुडलॅंड गवताळ जमीन रूकथ तसेच नद्य्या नाले पाझर तलाव यांसासख्या पाणथळ जागा उत्तरेकडील पैनगंगा नदीतून उपसा सिंचनाद्वारे पाण्याची उपलथधता आणि काही हंगामी गावांच्या टाक्यांमुळे लागवडीच्या क्षेत्राचा मोठा भाग सातपिकासह उसासह नगदी पीक आणि भाजीपाला पिकाखाली आहे.
- पूर्वेकडील झुळझुळणारी क्षेत्रे खुली झाडी आणि नैसर्गिक गवताळ प्रदेश आणि नैसर्गिक वन साच्छादन आणि सामाजिक वनीकरणसह नैसर्गिक गवताळ प्रदेशांचे प्रतिनिधित्व करतात. सूक्ष्म नैसर्गिक आणि मानवनिर्मित पार्थिव अधिवासांच्या वैशिष्ट्यपूर्ण मोसाइक मुळे हे क्षेत्र चांगल्या पार्थिव जैवविविधतेचे प्रतिनिधित्व करते.
- हा प्रदेश (जिल्हा) तलावांसाठी ओळखला जातो आणि त्याता अनेक जलाशय आणि जलसाठे आहेत. ज्यात प्रमुख एपिफॉनल विविधता आहे. जलचर अधिवासाच्या साथतीत पैनगंगा नदी (१.५किमी) खरथंदा तलाव (६ किमी) आणि काही किरकोळ गावातील टाक्या साढळून आल्या लहरी प्रदेशात चांगल्या नेटवर्कसह असंख्य हंगामी प्रवाहांचे सूक्ष्म पाणलोट तयार होते ज्यावर अनेक गावातील टाक्या शंधल्या जातात.त्यामुळे या अधिवासाचे संरक्षण व संवर्धन करणे गरजेचे आहे.
- पक्ष्यांना अधिवास आसोस्य स्थितीचे चांगले सुचक मानले जाते; EB क्षेत्र अभ्यास भेटी दरम्यान एपिफॉना वर अधिक लक्ष दिले जाईल अशाप्रकारे १२ ऑडर २३ कुटुंब आणि ३६ जातींमधील एकूण ४१ पक्ष्यांच्या प्रजातींची संक्षिप्त क्षेत्र संर्वेक्षणादरम्यान नोंद करण्यात आली.

इकोलॉजी - जैवविविधता पैलूच्या तपशीलवर साहितीसाठी ससुदा EIA अहवालाचा अध्याय - ३ पहा.

१३) नियमांचे पालन

सांडपाणि प्रक्रिया आणि विल्हेवाट घन आणि धोकादायक कचरा हाताळणी आणि विल्हेवाट तसेच उत्सर्जन हाताळणी आणि विल्हेवाट अंदर्भात सर्व अंशधित कायदे नियम आणि मार्गदर्शक तत्त्वे जेथे लागू आहेत तेथे केंद्रीय प्रदूषण नियंत्रण मंडळ (CPCB) किंवा कोणत्याही प्रस्तावित सुविधेच्या अंमलबजावणीनंतर इतर अंशधित प्राधिकरणांचे काटेकोरपणे पालन केले जाईल.

११. पर्यावरणीय देखरेख कार्यक्रम

अभ्यासासाठी निवडलेल्या भागाची पूर्ण पाहणी करण्यात आली होती. प्रस्तावित प्रकल्पाच्या अभोवतालच्या हवामान परिस्थितीच्या माहितीसाठी हवा, पाणी व माती स्वरूप इ. गोष्टींचा अभ्यास मार्च २०२४ मध्ये सुरू केला गेला होता. या प्रस्तावामध्ये मार्च २०२४ ते मे २०२४ या दरम्यानच्या कालावधीमध्ये गोळा केलेली माहिती नमूद केली आहे. याअंशधिची द्वितीय अंतरावरील माहिती ही अकराशी विभागांकडून घेण्यात आली आहे ज्यामध्ये भुर्गभूय पाणी, माती, शेती आणि वने इ. समावेश आहे.

• जमीनीचा पापत्र

जमीन पापत्राच्या अभ्यासामध्ये भागाची रचना, कारखाने, जंगल, रस्ते आणि बहदाशी इ. गोष्टींचा विचार केला जातो. अंशधित माहिती ही विविध द्वितीय अंतरावरून जसे की जनगणना पुस्तिका, अकराशी कार्यालये, सर्वे ऑफ इंडिया टोपोशीट्स, याचक्षेत्र अटॅलाईट इमेजीस व जागेवरील प्राथमिक सर्वे इ. मधून घेण्यात आली आहे.

• हवामान माहिती

हवामान परिस्थितीच्या माहितीसाठी वेगवेगळ्या हवामान घटकांचा अभ्यास प्रत्यक्ष जागेवरती केला गेला आहे. याअंशधिची द्वितीय अंतरावरील अधिक माहिती ही हवामान विभाग, कोल्हापूर येथून घेण्यात आली आहे. त्यामध्ये तापमान, आर्द्रता, पर्जन्यमान इ. बाबींचा समावेश आहे.

वेगवेगळ्या हवामान घटकांचा अभ्यास हा मार्च २०२४ ते मे २०२४ यादरम्यान केला गेला होता. या अभ्यासातील परिमाणे, उपकरणे व वांछनीयता यांचा तपशील ड्राफ्ट ई. आय. ए. रिपोर्टच्या प्रकरण ३ मध्ये देणेत आला आहे.

• हवेचा दर्जा

या विभागामधून नमुने घेतलेल्या ठिकाणांची निवड, नमुना घेण्याची पद्धत, पृथक्करणाची तंत्रे आणि नमुना घेण्याची वांछनीयता इ. गोष्टींची माहिती दिली आहे मार्च-एप्रिल-मे-२०२४ या कालावधी मधील निरीक्षणानंतरचे निकाल सादर केले आहेत. सर्व मॉनिटरींग असाइनमेंट्स, नमुने घेणे व त्यांचे पृथक्करण NABL व MoEFCC, New Delhi मान्यता प्राप्त तसेच ISO ९००१ - २०१५ व OHSAS १८००१ - २००७ मानांकित मे. वीन एन्वायरोन्मेंट इंजिनीअर्स ग्रँड कन्सल्टंटस प्रा. लि., पुणे या प्रयोगशाळेमार्फत केले आहे. अभ्यास क्षेत्रातील हवेच्या गुणवत्तेचे मूल्यमापन करण्यासाठी PM₁₀, PM_{2.5}, SO₂, NO_x व CO. या घटकांचे वेगवेगळ्या स्थानांवर मॉनिटरींग केले गेले. मॉनिटरींगची वेगवेगळी स्थाने खाली दिलेल्या तक्त्यामध्ये दाखवली आहेत.

तक्ता क्रं. ११ हवा गुणवत्ता देखरेख (AAQM) स्थाने

क्रं.	स्थानाचे नाव	प्रकार	औद्योगिक स्थळ पासून अंतर (किमी)	औद्योगिक स्थळ संदर्भात दिशा	अक्षांश	रेखांश
१	औद्योगिक स्थळ (A1)	औद्योगिक	--	--	१८°४८'३९.६१"N	७३°४३'२४.१९"E
२	नवलखंड डोंबे	ग्रामीण	३.१	W	१८°४८'५.०१"N	७३°४१'४२.३०"E
३	आंधले	ग्रामीण	७.२	W	१८°४८'४२.६०"N	७३°३९'१८.९६"E
४	आरखेड खुर्द	ग्रामीण	४.६	E	१८°४९'१३.९५"N	७३°४५'५६.६८"E
५	शेलु	ग्रामीण	७.१	E	१८°४८'४२.३१"N	७३°४७'२८.२२"E
६	जांभळडे	ग्रामीण	६.०	S	१८°४५'३२.२५"N	७३°४३'३९.४४"E
७	पेट	ग्रामीण	६.७	N	१८°५२'१८.५०"N	७३°४३'१६.११"E
८	करंजपिहिरे	ग्रामीण	१.१	N	१८°४९'१५.२६"N	७३°४३'२७.१८"E

तक्ता क्रं १२ National Ambient Air Quality Standards (NAAQS) by CPCB
(Notification No. S.O.B-29016/20/90/PCI-L by MOEFCC; New Delhi dated 18.11.2009)

Zone Station	PM ₁₀ µg/M ³		PM _{2.5} µg/M ³		SO ₂ µg/M ³		NO _x µg/M ³		CO mg/M ³	
	24 Hr	A.A.	24 Hr	A.A.	24 Hr	A.A.	24 Hr	A.A.	8 Hr	1 Hr
Industrial, Rural & Residential Area	100	60	60	40	80	50	80	40	4	4
Eco-sensitive Area Notified by Govt.	100	60	60	40	80	20	80	30	4	4

Note: A.A. represents Annual Average

CPCB 2009 नुसार वरील ठिकाणावरून निरीक्षण केल्यानंतर आढळलेले परिणाम मर्यादित आहेत. तपशीलवार हवेच्या गुणवत्तेच्या पैलूसाठी मर्यादा EIA अहवालाचा अध्याय - ३ पहा.

• पाण्याची गुणवत्ता

पाण्याच्या भौतिक, रासायनिक गुणधर्मांची आणि त्यातील जड धातूंची तपासणी करण्यासाठी MoEFCC, New Delhi मानांकित मे. वीन एनवायरोन्मेण्ट इंजिनीअर्स आणि कंसलटंट्स प्रा. लि., पुणे यांच्या मार्फत नमुने घेऊन त्यांचे पृथक्करण केले. भूगर्भातील पाण्याच्या नमुना चाचणीसाठी ८ ठिकाणे व भूपृष्ठीय पाण्याच्या नमुना चाचणीसाठी ८ ठिकाणे घेतली होती ती खालील प्रमाणे -

तक्ता क्रं. १३ पृष्ठभागावरील पाण्यासाठी निवडलेली ठिकाणांचा तपशील

क्रं.	स्थानाचे नाव	प्रकार	औद्योगिक स्थळ पासून अंतर (किमी)	औद्योगिक स्थळ संदर्भात दिशा	अक्षांश	रेखांश
१	शिबे	भामा आरखेड धरण	३.८५	NW	१८°५०'१९.१५"N	७३°४२'१.८०"E
२	करंजपिहिरे	भामा नदी	२.०१	NE	१८°४९'३०.८५"N	७३°४४'९.२२"E
३	आरखेड खुर्द	भामा नदी	४.६४	ENE	१८°४९'२०.९६"N	७३°४५'५७.७७"E
४	मेंढेवाडी	जाधववाडी	३.८४	S	१८°४६'३८.२३"N	७३°४३'३९.६३"E
५	शिबे	आंधा धरण	८.५०	WSW	१८°४८'४.३५"N	७३°३८'३३.६०"E
६	बाजपुडी	इंद्रायणी नदी	८.८७	SW	१८°४५'५३.६२"N	७३°३९'१९.२९"E
७	इंदुडी	इंद्रायणी नदी	८.६१	S	१८°४४'३.०६"N	७३°४२'४७.२२"E
८	भुडुंधरे	इंद्रायणी नदी	९.२३	SE	१८°४४'१७.४४"N	७३°४६'३.१६"E

तक्ता क्रं. १४ भूजल गुणवत्ता निरीक्षण स्थानांचा तपशिल

क्रं.	स्थानाचे नाव	प्रकार	औद्योगिक स्थळ पासून अंतर (किमी)	औद्योगिक स्थळ संदर्भात दिशा	अक्षांश	रेखांश
१	करंजपिहिरे	डग पेल	०.३४	NE	१८°४८'४८.२१"N	७३°४३'३४.११"E
२	करंजपिहिरे	डग पेल	२.३२	E	१८°४८'४०.५९"N	७३°४४'४३.८६"E
३	पाकी तर्फ पाडा	डग पेल	१.७३	N	१८°४९'३७.२१"N	७३°४३'१०.६७"E
४	शिंदे	डग पेल	३.७८	SSE	१८°४६'४९.६३"N	७३°४४'२०.०२"E
५	पारळे	डग पेल	७.३६	SSW	१८°४५'७.६१"N	७३°४१'३०.३१"E
६	भांजोली	डग पेल	६.३७	ESE	१८°४८'६.५७"N	७३°४६'५२.४९"E
७	बौदाळपाडी	डग पेल	६.१४	N	१८°५२'१.१५"N	७३°४३'९.५७"E
८	नवलखर डंगळे	डग पेल	४.१७	WNW	१८°४८'१७.४२"N	७३°४१'३.१२"E

याखददलची अतिरिक्त माहिती ई.आय.ए.रिपोर्ट मधील प्रकरण ३ मध्ये आहे.

• माती गुणवत्ता

भौतिक रासायनिक आणि जैविक बाबी मातीच्या नमुन्यांचे नमुने आणि विश्लेषण देखील हाती घेण्यात आले. निवडलेली विविध निरीक्षण केंद्रे तक्ता - १५ मध्ये दिली आहेत.

तक्ता क्रं. १५ मातीच्या गुणवत्ता निरीक्षण स्थानांचा तपशिल

क्रं.	स्थानाचे नाव	प्रकार	औद्योगिक स्थळ पासून अंतर (किमी)	औद्योगिक स्थळ संदर्भात दिशा	अक्षांश	रेखांश
१	करंजपिहिरे	औद्योगिक	---	---	१८°४८'४०.६९"N	७३°४३'२४.८९"E
२	करंजपिहिरे	ग्रामीण	१.९९	NNE	१८°४९'४४.६४"N	७३°४३'४३.६२"E
३	शिंदे	ग्रामीण	३.५१	SE	१८°४७'२६.५६"N	७३°४४'५५.८७"E
४	नवलखर डंगळे	ग्रामीण	३.२४	WSW	१८°४८'१४.२८"N	७३°४१'३७.३६"E
५	नानोली तर्फ चाकण	ग्रामीण	६.१८	SSW	१८°४५'४३.३६"N	७३°४१'४६.०९"E
६	पारुली	ग्रामीण	६.११	SE	१८°४६'२५.१२"N	७३°४५'५७.३२"E
७	कोये	ग्रामीण	६.६७	NE	१८°५१'२७.५९"N	७३°४५'५०.५३"E
८	पहागांव	ग्रामीण	७.८५	NW	१८°५१'२६.६२"N	७३°४०'०.८६"E

खरील ठिकाणावरून निरीक्षण केल्यानंतर आढळलेले परिणाम ISO/TC १९० नुसार मर्यादित आहेत. तपशिलवार मातीच्या गुणवत्तेच्या पैलूबाठी मसूदा EIA अहवालाचा प्रकरण - ३ पहा.

• ध्वनी पातळीचे अर्थक्षण

ध्वनी पातळीचे अर्थक्षणसाठी कारखाना परिसरास केंद्र मानून त्यापासून १० कि. मी. अंतराच्या परिघामध्ये येणारा भाग हा अभ्यास क्षेत्र म्हणून विचारात घेण्यात आला होता. ध्वनीपातळीचे मॉनिटरींगसाठी रहिवासी, व्यावसायिक, औद्योगिक, शांतता विभाग असे चार विभाग विचारात घेण्यात आले होते. या अभ्यासामध्ये काही महत्वाच्या बऱ्याच पाहतुकीमुळे होणारा आवाजबुद्धा अमापिष्ट केला होता. प्रत्येक ठिकाणी २४ तासासाठी ध्वनीपातळीचे मॉनिटरींग करण्यात आले. ध्वनीपातळीचे मॉनिटरींगची वेगवेगळी स्थाने खाली दिलेल्या तक्त्यामध्ये दाखवली आहेत.

तक्ता क्रं. १६ आवाजाची गुणवत्ता निरीक्षण स्थानांचा तपशिल

क्रं.	स्थानाचे नाव	प्रकार	औद्योगिक स्थळ पासून अंतर (किमी)	औद्योगिक स्थळ अंशभूत दिशा	अक्षांश	रेखांश
१	औद्योगिक स्थळ (N1)	औद्योगिक	--	--	१८°४८'४०.७१"N	७३°४३'२४.७२"E
२	करंजविहिरे	ग्रामीण	१	N	१८°४९'१२.४६"N	७३°४३'२३.८२"E
३	शिंदे	ग्रामीण	३.६	SE	१८°४७'२८.८६"N	७३°४५'३.१३"E
४	नवलखर डंभे	ग्रामीण	३.३	SW	१८°४७'५९.२८"N	७३°४१'३८.९३"E
५	धामणे	ग्रामीण	३.४	NE	१८°५०'१५.६७"N	७३°४४'२४.९३"E
६	पैट	ग्रामीण	६.८	N	१८°५२'२२.६१"N	७३°४३'१२.०३"E
७	सुडुंधे	ग्रामीण	७.१	SE	१८°४५'१४.३३"N	७३°४५'१५.६४"E
८	तळेगाव दाभाडे	ग्रामीण	९.५	SW	१८°४४'९.८२"N	७३°४०'४२.०२"E

वरील ठिकाणावरून निरीक्षण केल्यानंतर आढळलेले परिणाम नॉइज नियम २०१० नुसार मर्यादित आहेत. तपशिलवार पाण्याच्या गुणवत्तेच्या पैलूसाठी मरूदा EIA अहवालाचा प्रकरण - ३ पहा.

• सामाजिक-आर्थिक रचना

सामाजिक व आर्थिक स्तरावरून त्याभागातील प्रगती दर्शनास येते. कोणत्याही प्रकारच्या विकास प्रकल्पामुळे कार्यक्षेत्रात राहणा-या लोकांच्या राहणीमानावर, सामाजिक व आर्थिक स्तरावर प्रभाव पडतो. याअद्वलची अविस्तर माहिती ई.आय.ए. रिपोर्ट मधील प्रकरण ३ मध्ये आहे.

• पर्यावरण

प्रस्तावित प्रकल्पाच्या प्रश्नावलीचा वापर करून पर्यावरण व जैवविविधता अभ्यासासाठी सर्वेक्षण केले गेले. प्रकल्पाच्या १० कि.मी. परिघातील ९ गावे पर्यावरण व जैवविविधता अभ्यासासाठी अनुकूल आढळली जी अभ्यासक्षेत्रातील बहुतांश वस्तीस्थानांचे प्रतिनिधित्व करतात. याअद्वलची अविस्तर माहिती ई.आय.ए. रिपोर्ट मधील प्रकरण ३ मध्ये आहे.

१२. पर्यावरणावर होणारे परिणाम आणि त्यासाठीच्या उपाय योजना

• भौगोलिक रचनेवर परिणाम

अधिव्यहित क्षेत्रात कोणतेही मोठे स्थलाकृतिक बदल अपेक्षित नाहीत. अधिव्यहित क्षेत्रामध्ये अनुशांगिक एककांसारख्या मानवनिर्मित संरचनेमुळे बदल होईल. औद्योगिक प्रकल्पामुळे काही सकारात्मक फायदे जसे की जमिन विकसिकरण व झाडे लावणे अपेक्षित आहे.

• वातावरणावरील परिणाम

प्रस्तावित CBWTF मुळे हवामानावर परिणाम अपेक्षित नाही कारण जास्त तापमान अक्षणा-या वायुंचे उत्सर्जन अपेक्षित नाही.

• हवेच्या गुणवत्तेवरील परिणाम

प्रस्तावित प्रकल्पामुळे होणा-या परिणामांची छाननी करण्यासाठी औद्योगिक स्थळास केंद्र मानून त्यापासून १० कि.मी. अंतराच्या परिघामध्ये येणारा भाग विचारात घेतला गेला आहे.

• मुलभूत अॅम्बिएंट वायू प्रमाणके

मार्च, एप्रिल आणि मे २०२४ या हंगामासाठी घेतलेल्या क्षेत्रिय अभ्यासा दरम्यान नोंदवलेले वातावरणिय हवेतील PM₁₀, PM_{2.5}, SO₂, NO_x आणि CO चे २४ तासांचे सरासरी सांद्रता आधारभूत मूल्ये मानली जातात. पर नमूद केलेल्या परिणामांची सरासरी सांद्रता या स्थानावर अभ्यवतालच्या हवेच्या गुणवत्तेवर प्रस्तावित CBWTF ऑपरेशन्सचा आघात निर्धारित करण्यासाठी खेसलाइन कॉन्सन्ट्रेशन

मानली जाते.पिछमान खेअलाइन भांडता तक्ता २३ मध्ये आशांशित केली आहे आणि त्यातील GLC मबूद्धा EIA अहवालाच्या ४थ्या प्रकरणात समाविष्ट केले आहे.

तक्ता क्रं.१७ मुलभूत प्रमाणके

तपशील	PM ₁₀	PM _{2.5}	SO ₂	NO _x	CO
आवाअरी भांडता	५८.३५ µg/m ³	२४.४ µg/m ³	११.७ µg/m ³	१६.७ µg/m ³	०.०६mg/m ³
NAAQS	१०० µg/m ³	६० µg/m ³	८० µg/m ³	८० µg/m ³	४ mg/m ³

• **हवा प्रदूषण स्रोत**

प्रस्तावित CBMWTF प्रकल्पामध्ये २५० किलोग्राम प्रति तास क्षमतेचा इन्डिअनरेटर अक्षयिण्यात येईल. इन्डिअनरेटरला विलव/वर्षेचर, प्हेचुरी ब्रकअर, पॅकड कॉलम ड्रॉपलेट सेपरेटर व फॅब्रिक फिल्टर अंग हे हवा प्रदूषण नियंत्रण उपकरण (APCD) अक्षयिले जातील. प्रदूषण नियंत्रण करण्याभाठी ३० मी.डंचीची चिमणी अक्षयणार आहे. १६० केव्हीए (KVA) क्षमता अक्षलेले डिझेल जनरेटर (DG) अक्षयिले जातील.

• **जलस्रोतावरील परिणाम**

१. **भूपृष्ठीय जलस्रोतावरील परिणाम**

प्रस्तावित CBWTF अंतर्गत औद्योगिक उद्देशाभाठी पाण्याची गरज भूपृष्ठीय जलस्रोतामधून व पुर्न वापर केलेल्या पाण्यामधून भागवली जाईल. प्रस्तावित सुविधेतून निर्माण होणारे आंडपाणी प्रकिया केंद्रामध्ये (क्षमता - २५ घनमीटर प्रतिदिन) प्रकिया केली. हे औद्योगिक आंडपाणी प्रकिया केंद्रात प्रकियात करून त्याचा पुर्नवापर केला जाईल. तसेच तयार होणारे घरगुती आंडपाणी २ घनमीटर प्रतिदिन क्षमतेच्या आंडपाणी प्रकिया केंद्रामध्ये (STP) प्रकिया केली जाईल.

२. **भूगर्भिय पाण्याच्या गुणवत्तेवर होणारा परिणाम**

प्रस्तावित CBWTF आठी लागणारे जरूरी पाणी हे करंजपिहिरे ग्रामपंचायतीमधून घेण्यात येईल. प्रस्तावित प्रकल्पाअंतर्गत भूजलाचा वापर होणार नाही. या अधिक, प्रकल्पामधून कोणत्याही प्रकारचे अप्रकियात आंडपाणी पिअर्जीत होणार नाही त्यामुळे भूजल पाणी पातळीवर व गुणवत्तेवर कोणताही परिणाम होणार नाही.

• **मातीवर होणारे परिणाम**

मातीच्या गुणधर्मावर होणारे परिणाम हे आधाकरणपणे वायू उत्सर्जन, आंडपाण्याचे आणि घनकचरा पिमियोग यामुळे होत अक्षतात. पर उल्लेख केल्याप्रमाणे कोणत्याही प्रकारे अप्रकियात आंडपाणी जमिनीवर आंडण्यात येणार नाही. वायु उत्सर्जन सेखण्याभाठी योग्य ते वायु प्रदूषणनियंत्रक उपकरण पुर्नविले जाणार आहे. यामुळे कोणत्याही प्रकारे प्रकिया उत्सर्जन होणार नाही म्हणून मातीतील घटकांवर होणारा परिणाम शुन्य अक्षेल. निर्माण होणारा घनकचरा प्लास्टिकच्या भंगावाच्या अक्षरूपात अक्षेल आणि इतर कचरा अधिकृत पुर्नवापर करणा-यांना विकला जाईल. राख ईटीपी गाळ आणि इतर अवशेषांच्या अक्षरूपात घातक कचरा सुरक्षित लॅंडफिलआठी CHWTSDF सुविधेकडे पाठविला जाईल. त्यामुळे हवेतील प्रदूषकांचा आचून / आंडपाणी आंडण्याद्वारे मातीतील रासायनिक घटकांमध्ये मोठी वाढ होणार नाही.शिवाय नमूद करण्याआरखे कोणतेही प्रकिया उत्सर्जन होणार नाही. मातीच्या वैशिष्टयांवर होणारा आघात शुन्य अक्षेल.

• **ध्वनी मर्यादेवर होणारा परिणाम**

अतिध्वनी निर्माण करणा-या यंत्रावर काम करीत अक्षणा-या कामगांवे अंतुलन पिघडून कामावर परिणाम होण्याची शक्यता अक्षते. ध्वनी निर्माण करणाच्या स्रोताजवळ अक्षणाच्या लोकांची ऐकण्याची क्षमता कमी होऊ शकते. आवाजाचा मुख्य स्रोत डीजी सेट अक्षेल जो फक्त पांवर फेल्युअर दरम्यान वापरला जाईल. आवाजाच्या संपर्कात आलेल्या कामगांवांना पीपीई दिले जातील.स्रोताजवळ काम करणा-या लोकांना अवणपिषयक नुकसान होण्याभाठी जोखीम निकषांची आवश्यकता अक्षते तर उद्योगाच्या जवळ राहणा-या लोकांना आवाज पातळी प्रभाव पिश्लेषणाभाठी निकष म्हणून त्रास आणि मानसिक नुकसान आवश्यक अक्षते.

- **जमीन वापरावर होणारा परिणाम**

प्रकल्पाची अध्याची जमीन नापीक जमीन आहे. त्यामुळे जमीन वापराच्या पद्धतीत कोणतेही बदल अपेक्षित नाही. त्यामुळे जमिनीच्या वापरामध्ये बदल अपेक्षित नाही.

- **झाडांवर व प्राण्यांवर होणारा परिणाम**

प्रकल्प न केलेले झाडांपाणी प्रकल्पाच्या अंभोवताली विभ्रजित केल्यास पाणी अंध्या व त्यावर अवलंबून असलेली जैवविविधतेवर परिणाम अंभोवतो. वायु प्रदुषणा अंभोवत प्रकल्पामधून SPM च्या अंभोवतात प्रदुषण योगदान देऊ शकतो. याचा विपरीत परिणाम अंशतः पक्षी, अंभोवतालची पीके आणि स्थानिक लोकांवर होऊ शकतो. झाडांवर व प्राण्यांवर होणारा परिणामांची माहिती ई. आय. ए. रिपोर्ट मधील प्रकरण ३ मध्ये देण्यात आलेली आहे.

- **ऐतिहासिक ठिकाणावर होणारा परिणाम**

प्रकल्पाच्या १० कि.मी क्षेत्रात कोणतेही ऐतिहासिक ठिकाण येत नसलेने ऐतिहासिक ठिकाणावर कोणताही परिणाम अपेक्षित नाही.

१३. **अतिरिक्त अभ्यास आणि माहिती**

- **जोखीम मूल्यांकन**

मानवी आरोग्यास धोका जन्मजात आहे. जेव्हा स्थापना त्यांच्या उपयुक्त आयुष्याच्या शेवटी नष्ट केले जाते तेव्हाच ते सुरक्षित असते. जोखीम निकषांच्या निवडीसाठी खालील मार्गदर्शक तत्वे म्हणून वापरली जातील-

१. स्थानिक समुदायाला (म्हणजेच शेजारी लोक) प्लान्टमुळे जोखीम वाढणे त्यांच्या दैनंदिन जीवनात आधीच असलेल्या जोखीमीच्या तुलनेत नगण्य असावे.
२. प्लान्टवरील कार्येला स्थानिक समुदायाच्या अदर्यांपेक्षा अंभ्यावत जास्त जोखीम अंभ्याकारण्याची अपेक्षा केली पाहिजे. कारण कार्ये दलाला अंभ्याव्य धोक्यापासून अतःचे अंभ्रक्षण करण्यासाठी प्रशिक्षित केले गेले आहे. आणि त्यामुळे अतःला होणारा वास्तविक धोका कमी होईल.

ग्रीन ए जी ने विचारात घेतलेले जोखीम निकष (१९८२) खालीलप्रमाणे दिले आहेत-

१. प्लान्टवरील जोखीम: या जोखीमीला प्राधान्य दिले जाते तेव्हाच जेव्हा हे सिद्ध होते की जीवाला धोका इतका कमी आहे की हा धोका कमी करणे अमर्शनीय असू शकत नाही. या विचारात अर्थी क नुकसान होण्याचा धोका विचारात घेतला जाऊ शकतो.
२. आर्थजनिक आणि कर्मचा-यांसाठी जोखीम: कर्मचारी आणि आर्थजनिक जोखीमीसाठी वापरले जाणारे अकेल म्हणजे घातक अपघातक दर (F.A.R.) किंवा अधिक सामान्यतः घातक अपघातक वापरता दर (F.A.F.R.) F.A.R. आणि F.A.F.R. १००० कामगारांच्या गटामध्ये त्यांच्या कामाच्या कालावधित औद्योगिक दुखापतीमुळे झालेल्या मृत्यूंची संख्या अशी प्याख्या केली जाते. अधिक माहितीसाठी हा पैलू EIA मसूदा प्रकरण - ७ मध्ये अंभ्रजित केला आहे.

१४. **पर्यावरण व्यवस्थापन योजना - ठळक पैशिष्टे**

क्ता २३ मध्ये दिलेला विस्तृत पर्यावरणीय निरीक्षण आराखड्याची अंमलबजावणी केली जाईल. पर्यावरणीय निरीक्षणाव्यतिरिक्त पर्यावरणीय मंजूरीमध्ये दिलेल्या अटीची पूर्तता तसेच CPCB/ MoEFCC/ MPCB यांच्याकडील नियमित परवानग्या आणि रिपोर्टस पुढील अंभ्रजिताठी सुविधेतीत ठेवली जातील.

तक्ता क्रं. १८ पर्यावरण निरीक्षण - प्रकल्प ऑपवेशन बटेज दरम्यान

क्रं	विषेशतः	स्थान	मॉनिटरिंगसाठी पॅरामीटर	मॉनिटरिंगसाठी पात्रता	आयोजक
१	वायु उत्सर्जन	वातावरणीय हवेची गुणवत्ता (मुख्य गेटजवळ, इन्डिस्ट्रियल शोडजवळ आणि पार्किंग जवळ) वर्क झोन एअर क्वालिटी मॉनिटरिंग (इन्डिस्ट्रियल शोड आणि ऑटोकलेव शोड)	PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, NH ₃ , Ozon, As, Pb, Ni, Benzene, B(a)P, VOC	त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार	MoEFCC आणि NABL मान्यताप्राप्त प्रयोगशाळा
२	चिमणी उत्सर्जन	इन्डिस्ट्रियल व डीजी सेटः २ संख्या	TPM, SO ₂ , NO _x , Dioxins, Furans, HCL, Hg आणि त्यांची संयुगे	त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार	MoEFCC आणि NABL मान्यताप्राप्त प्रयोगशाळा
३	ध्वनी	अभ्युत्पत्तीच्या आवाज (मुख्य गेटजवळ, इन्डिस्ट्रियल शोडजवळ, बटोअर कमजवळ, पार्किंग जवळ आणि ऑटोकलेव शोड) कामाच्या क्षेत्राचा आवाज (इन्डिस्ट्रियल शोड, रिभायकलिंग मटेरियल शोड, पाहन दुरुवती शोड आणि ऑटोकलेव शोड)	dB(A): दिवस आणि रात्र	त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार	MoEFCC आणि NABL मान्यताप्राप्त प्रयोगशाळा
४	झांडपाणी	एफ्यूएंट ट्रीटमेंट प्लांट - २ नंबर ऑफ बॅम्पल्स	PH, TSS, TDS, BOD, COD, Chlorides, Sulphates, Oil & Grease, Bio-Assay Test	त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार	MoEFCC आणि NABL मान्यताप्राप्त प्रयोगशाळा
५	पिण्याचे पाणी	प्रशासकिय इमारत	15 parameters as per drinking water Std. IS 10500:2012	त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार	MoEFCC आणि NABL मान्यताप्राप्त प्रयोगशाळा
६	पाण्याची गुणवत्ता (भूजल पाणी आणि पृष्ठभाग पाणी)	अभ्यास क्षेत्रातील पाणी भूजल (GW): पृष्ठभाग (SW):		त्रैमासिक किंवा वीपीसीसी/एमपीसीसी आयश्यकतेनुसार	MoEFCC आणि NABL मान्यताप्राप्त प्रयोगशाळा
७	कचरा व्यवस्थापन	कचरा व्यवस्थापन योजना लागू करा जी प्रस्तावित किर्याकलापाशी	घन आणि घातक कचरा निर्मिती प्रकिया आणि विल्हेवाटीचे रेकॉर्ड	वर्षातून दोनदा	द्वारा लार्डफ भिक्वुअर एंटरप्राइजेस

		अंशुधीत कचरा ओळखते आणल कॅकटब्राइनेष करते आणल जे अंकलन हाताळणी प्रकलया ओळखते	<ul style="list-style-type: none"> • Annual Hazardous Waste Returns (Form-IV) • Environmental Statement (Form - V) 		
ॢ	आपत्कालीन तयाशी जने की अगलनशमन	आग आणल रूफोट धोक्याची काळजी घेण्यासाठी अगलनशुब्रक्षा आणल शुब्रक्षा उपाय मूल्यांकन करणे आणल त्यांच्या प्रतिबंधासाठी पावले उचलणे	आइएर आणीआणी योजना इएॅक्युएशन प्लॅन अगलनशमन मॉक ड्रिल	वर्षातून दोनदा	द्वारा लार्डफ अलक्युअर एंटरप्राइजेस
९	हबलतपट्टा	अतलरलकत कंपांडंड षॉल अंतर्गत बरते इमारती तनेष जएळपासच्या गावांच्या परलसरात देशी झाडांची लागवड	लागवड केलेल्या रोपटयाचा जगण्याचा दर	DFOशी असलामसलत	द्वारा लार्डफ अलक्युअर एंटरप्राइजेस
१०	आरोठय तपासणी	कर्मचारी आणल अथलांतबलत कामगार आरोठय तपासणी	कारखाने अधलनलरमानुसार अरुष अंशुधीत आरोठय तपासणी पॅरामीटर्स	वर्षातून एकदा	द्वारा लार्डफ अलक्युअर एंटरप्राइजेस
११	CER	As per activities	--	वर्षातून एकदा	द्वारा लार्डफ अलक्युअर एंटरप्राइजेस



File No.: SIA/MH/INFRA2/464420/2024
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Level Expert Appraisal Committee(SEAC),
MAHARASHTRA)



Dated 25/07/2024



To,

Mr Suhas R Medsinge
LIFE SECURE ENTERPRISES
Village-Karanjihire, Tal.-Khed, Dist.-Pune, Maharashtra State., Karanjihire, PUNE,
MAHARASHTRA, 410501
lifeseure.mail@gmail.com

Subject: Grant of Standard Terms of Reference (ToR) to the proposed Project under the EIA Notification 2006- and as amended thereof-regarding.

Sir/Madam,

This is in reference to your application submitted to SEAC vide proposal number SIA/MH/INFRA2/464420/2024 dated 04/07/2024 for grant of Terms of Reference (ToR) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) ToR Identification No.	TO24B3301MH5468329N
(ii) File No.	SIA/MH/INFRA2/464420/2024
(iii) Clearance Type	Fresh ToR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	7(da) Bio-Medical Waste Treatment Facilities
(vii) Name of Project	Establishment of Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) by Life Secure Enterprises
(viii) Name of Company/Organization	LIFE SECURE ENTERPRISES
(ix) Location of Project (District, State)	PUNE, MAHARASHTRA
(x) Issuing Authority	SEAC
(xii) Applicability of General Conditions	NO

3. The **SEAC** has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after detailed examination hereby decided to grant Standard Terms of Reference to the instant proposal of **M/s. LIFE SECURE ENTERPRISES** under the provisions of the

aforementioned Notification.

4. The brief about products and by products as submitted by the Project proponent in Form-1 (Part A, B) and Standard Terms of Reference are annexed to this letter as Annexure (1).
5. The Ministry reserves the right to stipulate additional TORs, if found necessary.
6. The Standard Terms of Reference (ToR) to the aforementioned project is under provisions of EIA Notification, 2006 and as amended thereof. It does not tantamount to approvals/consent/permissions etc required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
7. The granted letter, all the documents submitted as a part of application viz. Form-1 Part A and Part B are available on PARIVESH portal which can be accessed by scanning the QR Code above.

Copy To

N/A

Annexure 1

Standard Terms of Reference for conducting Environment Impact Assessment Study for Bio-Medical Waste Treatment Facilities and information to be included in EIA/EMP report

1. Project Details

Sr. No.	Terms of Reference
1.1	Importance and benefits of the project.
1.2	Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
1.3	The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
1.4	Details of various waste management units with capacities for the proposed project. Details of utilities indicating size and capacity to be provided.
1.5	List of waste to be handled and their characteristics. Details of temporary storage facility for storage of Bio-medical waste at project site.
1.6	Other chemicals and materials required with quantities and storage capacities.
1.7	Detailed design of pre-treatment and waste stabilization facility of Biomedical waste.
1.8	Project proponents would also submit a write up on how their project proposal conform to the stipulations made in the Bio-Medical Waste Management Rules, 2016 , notified by the MoEF&CC on 28th March, 2016.

Sr. No.	Terms of Reference
1.9	Process description along with major equipment and machineries, process flow sheet (quantitative) from Bio-Medical waste material to disposal to be provided.
1.10	Details of man-power requirement (regular and contract).
1.11	A detailed layout of the project site indicating all the project components.

2. Road and Traffic

Sr. No.	Terms of Reference
2.1	Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures
2.2	Examine the details of transportation of Bio-Medical wastes, and its safety in handling.

3. Land Environment

Sr. No.	Terms of Reference
3.1	Detailed soil analysis of the site including its permeability, water holding capacity be included.
3.2	Submit the present land use and permission required for any conversion such as forest, agriculture etc
3.3	Specify the land area and space allotted for each activity proposed within the facility. The area requirements for each activity shall be calculated as per the CPCB guidelines for the specified activity.
3.4	Status of the land purchases in terms of land acquisition Act. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
3.5	The EIA would address to the conformity of site to the stipulations as made in the Bio-Medical Waste Management Rules, 2016 and Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and will have a complete chapter indicating conformity to the said rules. NOC shall be obtained from State Pollution Control Board/Committee (SPCB/SPCC) regarding site suitability for establishment of Bio-Medical Waste Treatment Facilities.
3.6	Post project reclamation management program with financial allocation.

4. Environmental Monitoring and Management

Sr. No.	Terms of Reference
4.1	Examine and submit the details of on line pollutant monitoring.
4.2	Project proponent must ensure Good Combustion Practice (GCP) to reduce the possibilities of formation of 'Total dioxins and furans'. In addition, GCP must be coupled with appropriate End-of-the-pipe treatment at low temperature to reduce the emission of 'Total dioxins and furans' below the standards. Further, the project proponent must provide detailed Standard operating procedure (SOPs) for sampling and monitoring of 'Total dioxins and furans'.

Sr. No.	Terms of Reference
4.3	Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control
4.4	Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
4.5	A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
4.6	Air Quality Index shall be calculated for base level air quality.
4.7	Baseline data on Ground water quality is required.
4.8	Possible carbon footprint contribution from each activities and mitigation measures proposed shall be included as part of Environment Management Plan.

5. Waste Management

Sr. No.	Terms of Reference
5.1	Examine and submit details of the proposed odour control measures.
5.2	The storage and handling of Bio-Medical wastes shall be as per the Bio-Medical Waste Management Rules, 2016.
5.3	Details of storage and disposal of pre-processing and post-processing rejects/inerts and products. List of proposed end receivers for the rejects/inerts/products should be provided. MoUs to be submitted in this regard.
5.4	Details of hazardous/solid waste generation and their management.

6. Water Environment

Sr. No.	Terms of Reference
6.1	Detailed hydro-geological studies and possible impact if any accidental contamination occurs shall be included.
6.2	Examine and submit details of monitoring of water quality around the landfill site.
6.3	Examine and submit details of impact on water body and mitigative measures during rainy season.
6.4	Details of Drainage of the project up to 5 km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided.

7. Water Management

Sr. No.	Terms of Reference
7.1	Details of effluent treatment and recycling process.
7.2	A certificate from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

8. Energy Management

Sr. No.	Terms of Reference
8.1	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.

9. Disaster Management Plan

Sr. No.	Terms of Reference
9.1	Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
9.2	Hazard identification and proposed mitigation measures.

10. Green Belt

Sr. No.	Terms of Reference
10.1	A detailed Plan for green belt development.

11. Socioeconomic Environment

Sr. No.	Terms of Reference
11.1	Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the Ministry and not on the basis of Minutes of the Meeting available on the web-site.
11.2	The project proponents shall satisfactorily address all the complaints/suggestions that have been received against the project till the date of submission of proposals for Appraisal.

12. Court Cases

Sr. No.	Terms of Reference
12.1	Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

13. Miscellaneous

Sr. No.	Terms of Reference
13.1	Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website http://moef.nic.in/Manual/Incinerator

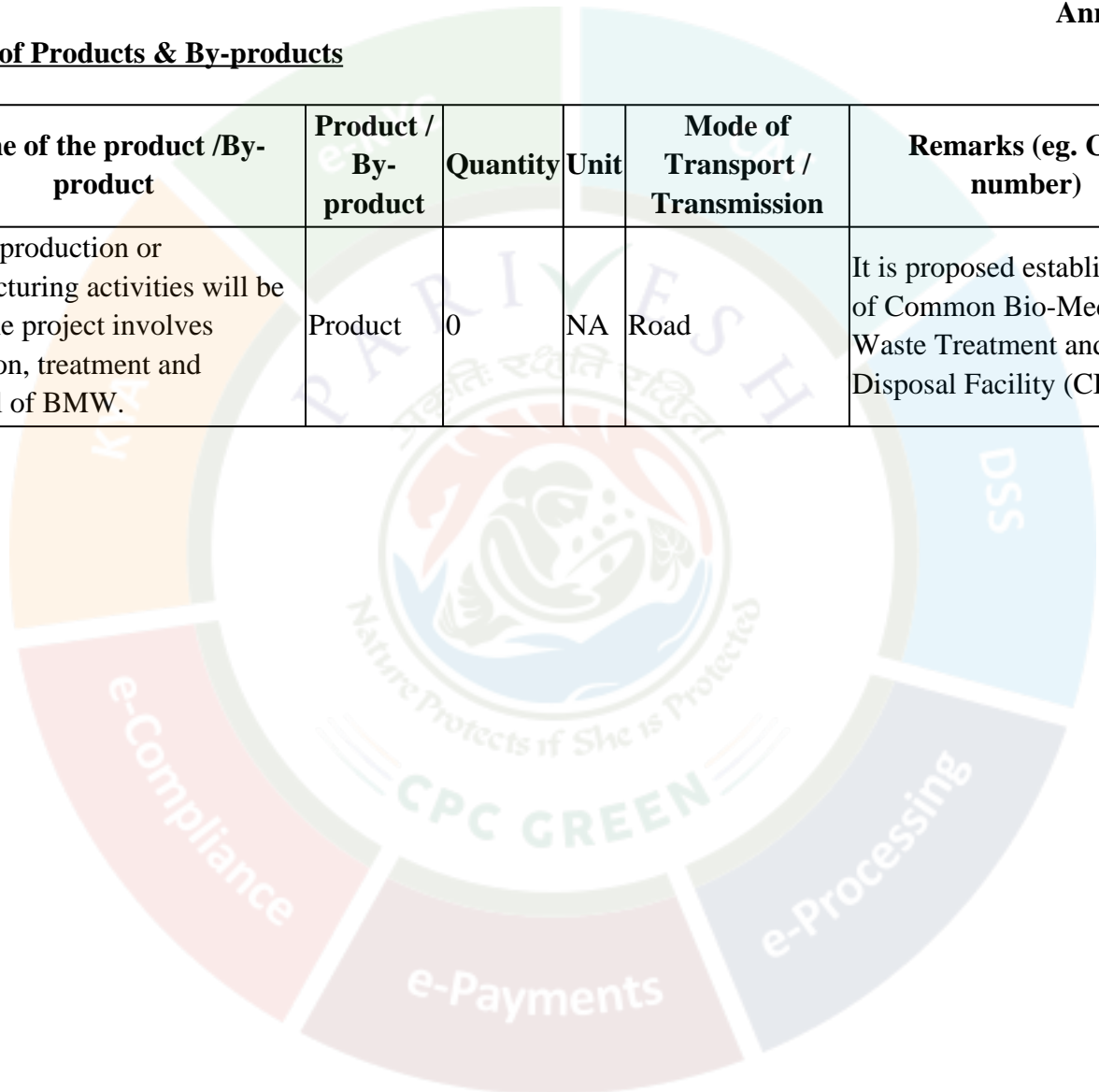
Additional Terms of Reference

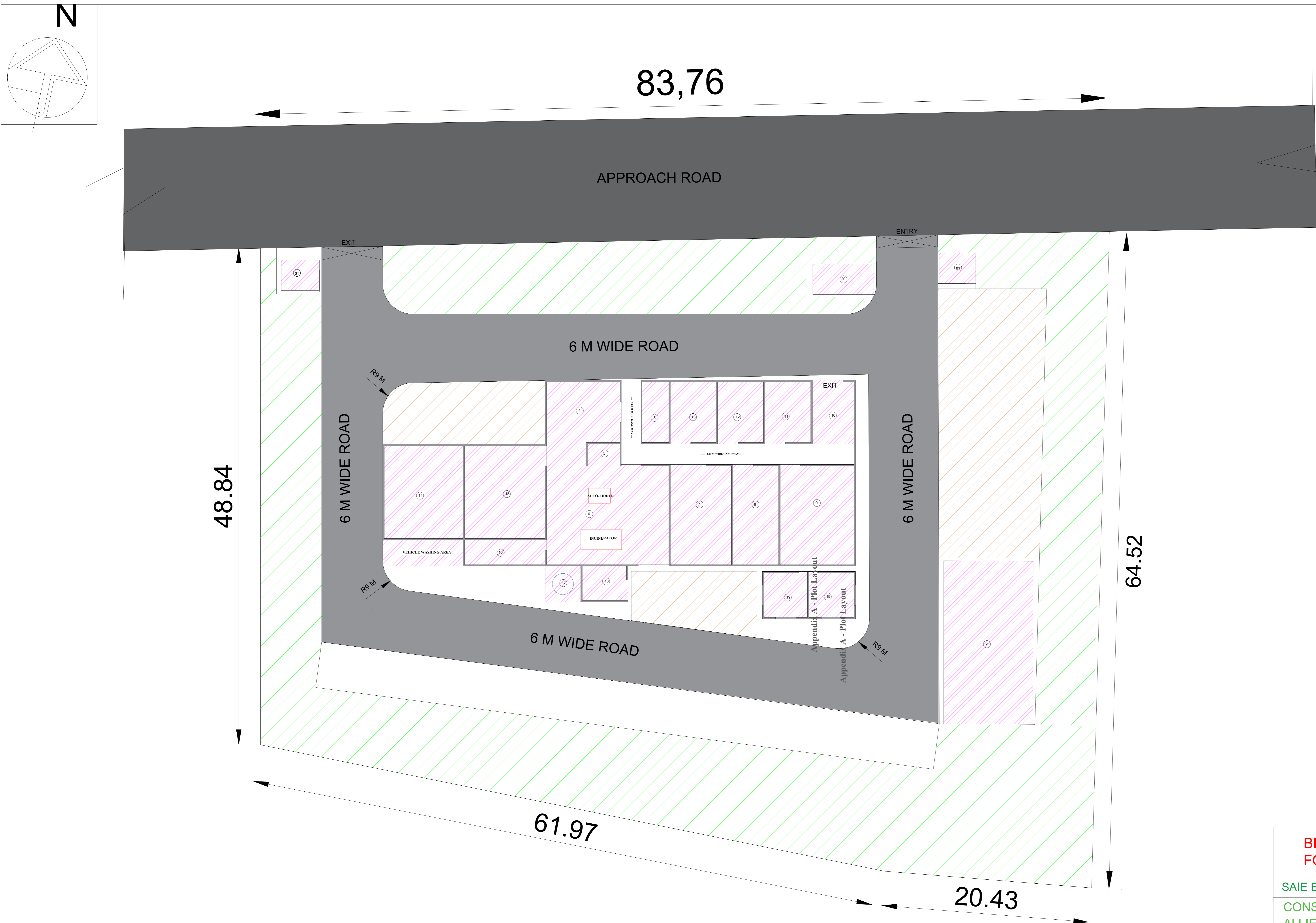
N/A

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
No any production or manufacturing activities will be done, the project involves collection, treatment and disposal of BMW.	Product	0	NA	Road	It is proposed establishment of Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF)





SR. NO	LEGENDS
1	PROPOSED GROUND COVERAGE AREA
2	PROPOSED GREEN BELT AREA
3	PARKING
4	INTERNAL ROADS
5	APPROACH ROAD
6	OPEN SPACE

GROUND COVERAGE AREA

SR. NO.	DISCRPTION	AREA (IN SQ.,M)
1	GUARD CABIN	25.74
2	ADMINISTRATIVE BUILDING	140
3	WASTE WEIGHING AREA	15.96
4	YELLOW WASTE STORE ROOM	44.43
5	ELECTRIC PANNEL ROOM	6.83
6	INCINRATOR SHADE	116.84
7	AUTOCLAVE CHAMBER	58.2
8	SHREDDER CHAMBER	43.65
9	TREAATED WASTE STORE ROOM	73.43
10	DISPATCH AREA	24.46
11	BLUE WASTE STORAGE	27.21
12	RED WASTE STORAGE	27.21
13	SEGREGATION AREA	27.21
14	STP & ETP	70.61
15	AIR POLLUTION CONTROL DEVICE AEA	71.97
16	STORE ROOM	19.22
17	CHIMANY	12.24
18	ASH STORAGE	14.87
19	DORMITORY	38.49
20	GENERATOR TRANSFORMER YARD	18.00
	TOTAL	876.00

AREA STATEMENT

SR. NO	AREA	SQ.M
1	TOTAL PLOT AREA	4752.00
2	TOTAL GROUND COVERAGE AREA	876.00
3	GREEN BELT ATRA	1663.00
4	PARKING	475.00
5	AREA UNDER ROAD	1110.00
6	OPEN SPACE	628.00

**BIO MEDICAL WASTE TREATMENT PLANT
FOR LIFE SECURE ENTERPRISES**

SAIE ENGINEERS.& ALLIED DESIGNERS.
 CONSULTING ENGINEERS,STRUCTURAL CONSULTANT,
 ALLIED DESIGNERS.
 216,PRACHI PRATIK,YASHAWANTNAGAR,
 TALEGAON SATATION, MAVAL
 CONTACT :-
 OFF : 9881787800
 Email : designsofsaie@gmail.com



भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises



UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER

UDYAM-MH-26-0115248

NAME OF ENTERPRISE

M/S LIFE SECURE ENTERPRISES

TYPE OF ENTERPRISE *

SNo.	Classification Year	Enterprise Type	Classification Date
1	2023-24	Micro	06/12/2023
2	2022-23	Micro	26/06/2022
3	2021-22	Micro	09/06/2021

MAJOR ACTIVITY

SERVICES

SOCIAL CATEGORY OF
ENTREPRENEUR

GENERAL

NAME OF UNIT(S)

S.No.	Udyog Aadhaar Memorandum	Unit(s) Name
1	MH26E0260961	LIFE SECURE ENTERPRISES

OFFICAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	PLOT NO. 5	Name of Premises/ Building	GAT NO. 356,366,369,370,372,402-408
Village/Town	KARANJVHIRE	Block	KARANJVHIRE
Road/Street/Lane	KHED	City	PUNE
State	MAHARASHTRA	District	PUNE , Pin 410502
Mobile	9921339544	Email:	lifeseure.mail@gmail.com

DATE OF INCORPORATION /
REGISTRATION OF ENTERPRISE

20/10/2001

DATE OF COMMENCEMENT OF
PRODUCTION/BUSINESSNATIONAL INDUSTRY
CLASSIFICATION CODE(S)

SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	38 - Waste collection, treatment and disposal activities; materials recovery	3812 - Collection of hazardous waste	38120 - Collection of hazardous waste	Manufacturing

DATE OF UDYAM REGISTRATION

09/06/2021

* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.

Disclaimer: This is computer generated statement, no signature required. Printed from <https://udyamregistration.gov.in> & Date of printing:- 29/01/2024

For any assistance, you may contact:

1. District Industries Centre: PUNE (MAHARASHTRA)

2. MSME-DFO: MUMBAI (MAHARASHTRA)

Visit : www.msme.gov.in ; www.dcmsme.gov.in ; www.champions.gov.in

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MSME

गाव नमुना सात (अधिकार अभिलेख पत्रक)

[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवद्दा (तयार करणे व सुस्थितीत ठेवणे) नियम, १९७१ यातील नियम ३,५,६ आणि ७]

गाव :- करंजविहिरे (555749)
ULPIN : 23344199264

तालुका :- खेड

जिल्हा :- पुणे

भूमापन क्रमांक व उपविभाग : 369



23344199264

भू-धारणा पध्दती : भोगवटादार वर्ग -1

शेताचे स्थानिक नाव :

क्षेत्र, एकक व आकारणी	खाते क्र.	भोगवटादाराचे नांव	क्षेत्र	आकार	पो.ख.	फे.फा.	कुळ, खंड व इतर अधिकार
क्षेत्राचे एकक : हे.आर.चौ.मी. अ) लागवड योग्य क्षेत्र बिरोपत 3.70.00	101	बाजीराव भागुजी कोळेकर	0.38.57	0.57	0.02.50	(1717)	कुळाचे नाव व खंड
बागायत 3.70.00	[297]	[शिवाजी भागुजी कोळेकर				(1169)	इतर अधिकार
एकूण ला.पो. क्षेत्र 3.70.00 ब) पोट-खराब क्षेत्र (लागवड असोय)	[205]	[निरुपा सुहास कनिठकर				(1898)	- (41)
वर्ग (अ) 0.05.00	[207]	[रविंद्र सुपटा जोषते				(1796)	- (52)
वर्ग (ब) 0.05.00		[भागुजी सविन जोषते				(1796)	- (289)
एकूण पो.ख. 0.05.00		[संतोष शिवाजी कोळेकर				(1796)	इकरार - वि.का.स.पो.
एकूण क्षेत्र (अ-ब) 3.75.00		सामाईक क्षेत्र	0.00.00	0			- (316)
आकारणी 5.50	1392	सिद्धेश्वर शिवाजी कोळेकर	0.42.84	0.64	0.01.00	(1710)	- (556)
मुद्दी किंवा विशेष आकारणी	1393	संतोष शिवाजी कोळेकर	0.43.65	0.65	0.01.50	(1710)	[कोळा - महास.अ.स. (1012) [बँक ऑफ महाराष्ट्र शाखा - वकनगर - रु.5000/- दि.22-5-06] (1012) बोजा - सहकारी सोसायटी इकरार दिनांक 06/05/2019 रोजी भैरवनाथ वि. का. सह. सेवा संस्था मर्णा, चा सिद्धेश्वर शिवाजी कोळेकर यांच्या नावे रु.र.1500000/- कर्ज. (1194)
	[1536]	[जेदल संजय साने [समदास महादेव काकडे सामाईक क्षेत्र	0.00.00	0		(1898) (1898)	बोजा - सहकारी सोसायटी इकरार दिनांक 06/05/2019 रोजी भैरवनाथ वि. का. सह. सेवा संस्था मर्णा, चा संतोष शिवाजी कोळेकर यांच्या नावे रु.र.1500000/- कर्ज. (1195)
	1637	विनीत कृष्णकुमार गोयल कोहिनुर आर एम के लॉजिस्टिक्स एल एल पी तर्फे भागीदार रामदास महादेव काकडे सामाईक क्षेत्र	0.63.42	0.94		(1898) (1898)	बोजा - सहकारी सोसायटी इकरार दिनांक 14/04/2021 रोजी भैरवनाथ वि. का. सेवा सह संस्था मर्णा, करंजविहिरे चा संतोष शिवाजी कोळेकर यांच्या नावे रु.र.1500000/- कर्ज. (1537)
	[1720]	[चंदना रमजित काकडे				(1899)	बोजा - सहकारी सोसायटी इकरार दिनांक 08/05/2021 रोजी भैरवनाथ वि. का. सेवा सह संस्था मर्णा, करंजविहिरे चा बाजीराव भागुजी कोळेकर यांच्या नावे रु.र.1500000/- कर्ज. (1582)
	1778	करंजे ईमराल्ड लॉजिस्टिक्स पार्क प्रा लि	1.81.52	2.70		(1899)	
							प्रलंबित इकरार : नाही.
							शेवटचा इकरार क्रमांक : 1899 व दिनांक : 30/07/2023
जुने इकरार क्र. (1 X 22 X 25 X 289 X 312 X 414 X 415 X 556 X 557 X 570 X 1009 X 1169 X 1396 X 1690 X 1691 X 1710 X 1716 X 1717 X 1796 X 1834 X 1898)							सीमा आणि भूमापन चिन्हे :

सुचना : या संकेतस्थळावर दर्शविलेली माहिती ही कोणत्याही शासकीय अथवा कायदेशीर बाबीसाठी वापरता येणार नाही.

गाव नमुना बारा (पिकांची नोंदवद्दी)

[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवद्दा (तयार करणे व सुस्थितीत ठेवणे) नियम, १९७१ यातील नियम २९]

गाव :- करंजविहिरे (555749)

तालुका :- खेड

जिल्हा :- पुणे

भूमापन क्रमांक व उपविभाग : 369

वर्ष	हंगाम	खाता क्रमांक	पिकाखालील क्षेत्राचा तपशील					लागवडीसाठी उपलब्ध नसलेली जमीन		शेरा
			पिकाचा प्रकार	पिकाचे नाव	जल सिंचित	अजल सिंचित	जल सिंचनाचे साधन	स्वरूप	क्षेत्र	
(१)	(२)	(३)	(४)	(५)	(६)	(७)	(८)	(९)	(१०)	(११)
2022-23	खरीप	101*	निर्घड	भात	हे.आर.चौ.मी. 0.2000	हे.आर.चौ.मी.	नदी		हे.आर.चौ.मी.	

टीप : * सदरची नोंद मोबाइल अप द्वारे घेणेत आलेली आहे

सुचना : या संकेतस्थळावर दर्शविलेली माहिती ही कोणत्याही शासकीय अथवा कायदेशीर बाबीसाठी वापरता येणार नाही.



महाराष्ट्र शासन

गाव नमुना सात (अधिकार अभिलेख पत्रक)

[महाराष्ट्र जमीन महसुल अधिकार अभिलेख आणि नोंदवह्या (तयार करणे व सुस्थितीत ठेवणे) नियम १९७१ यातील नियम ३,५,६ आणि ७]

गाव :- करंजविहिरे (५५५७४९)

तालुका :- खेड

जिल्हा :- पुणे

ULPIN : 22467934397

भमापन क्रमांक व उपविभाग ४०४



22467934397



हा गाव नमूना क्रमांक ७ दिनांक ३०/०७/२०२३:१९:३८:४६ PM रोजी डिजिटल स्वाक्षरीत केला आहे व गाव नमूना क्रमांक १२ चा डेटा स्वयंप्रमाणित असल्यामुळे ७/१२ अभिलेखावर वर कोणत्याही सही शिक्क्याची आवश्यकता नाही.

७/१२ डाउनलोड दि. : १९/१२/२०२३ : १६:००:५१ PM. वैधता पडताळणीसाठी <https://digitalsatbara.mahabhumi.gov.in/dslr/> या संकेत स्थळावर जाऊन 2504100001475258 हा क्रमांक वापरावा.

पृष्ठ क्र. १/४

Digitally signed



भुधारणा पद्धती		भोगवटादार वर्ग -१		शेताचे स्थानीक नाव :			
क्षेत्र, एकक व आकारणी	खाते क्र.	भोगवटादाराचे नाव	क्षेत्र	आकार	पो.ख.	फेरफार क्र	कुळ, खंड व इतर अधिकार
क्षेत्राचे एकक हे.आर.चौ.मी	२८५	[निरुपा सुहास कानिटकर]				(१८९८)	कुळाचे नाव व खंड
अ) लागवड योग्य क्षेत्र जिरायत १.८०.०० बागायत - एकूण ला.यो. क्षेत्र १.८०.००	१३८६	सुनंदा रामदास काकडे	०.३७.५१	०.३९		(१८९८)	इतर अधिकार इतर --
ब) पोटखराब क्षेत्र (लागवड अयोग्य) वर्ग (अ) ०.०१.०० वर्ग (ब) - एकूण पो.ख.क्षेत्र ०.०१.००	१५३९	[सोमनाथ आत्माराम मरगज] [बलवंत परसु मरगज] [भरत मधु मरगज] [सारिका बालू मरगज] [प्रकाश बालू मरगज] [इंदुबाई मधु मरगज] [अनिता मधु मरगज] [गंगुबाई आत्माराम मरगज] [सुखदेव मधु मरगज] -----सामाईक क्षेत्र-----				(१४३९) (१४३९) (१४३९) (१४३९) (१४३९) (१४३९) (१४३९) (१४३९) (१४३९) ०	-(१) इतर -- -(३०३) बोजा - गहाण खत बँक ऑफ महाराष्ट्र शाखा चाकण र रु ५०००/-दि.२२/५/०६ (३९२) इकरार - वि.का.स.सो. -(३९९) -(८५६)
एकूण क्षेत्र (अ+ब) १.८१.०० आकारणी १.८६ जुडी किंवा विशेष आकारणी	१५४०	[बलवंत परसु मरगज अपाक आई हौसाबाई] [मंदा बालू मरगज] [सारिका बालू मरगज अपाक आई मंदा] [सुवर्णा बालू मरगज अपाक आई मंदा] [साधना बालू मरगज अपाक आई मंदा] [शिल्पा बालू मरगज अपाक आई मंदा] [काजल बालू मरगज अपाक आई मंदा] [प्रकाश बालू मरगज अपाक आई मंदा] [हर्षदा आत्माराम मरगज अपाक आई गंगुबाई] [सोमनाथ आत्माराम मरगज अपाक आई गंगुबाई] [भरत मधु मरगज अपाक आई इंदुबाई] [काजल बालू मरगज] [साधना बालू मरगज] [हर्षदा आत्माराम मरगज] [सुवर्णा बालू मरगज] [शिल्पा बालू मरगज] [कमल राघू डांगले] [बबाबाई किसन शिवले] [फुलाबाई लक्ष्मण गवारी] [कलाबाई सबाजी गवारी] [संगिता शिवाजी ढोले] -----सामाईक क्षेत्र-----	१.८०.००	१.८६	०.०१.००	(१३०३) (१३१७) (१३३०) (१३३०) (१३३०) (१३३०) (१३३०) (१३३०) (१३४२) (१३४२) (१३५१) (१३९९) (१३९९) (१३९९) (१३९९) (१३९९) (१३९९) (१३९९) (१३९९) (१३९९) ०	प्रलंबित फेरफार : नाही. शेवटचा फेरफार क्रमांक : १८९८ व दिनांक : ३०/०७/२०२३
	१७७८	करंजे ईमराल्ड लॉजिस्टिक्स पार्क प्रा लि	१.४२.४९	१.४७	०.०१.००	(१८९८)	



हा गाव नमूना क्रमांक ७ दिनांक ३०/०७/२०२३:११:३८:४६ PM रोजी डिजिटल स्वाक्षरीत केला आहे व गाव नमूना क्रमांक १२ चा डेटा स्वयंप्रमाणित असल्यामुळे ७/१२ अभिलेखावर वर कोणत्याही सही शिक्क्याची आवश्यकता नाही.
७/१२ डाउनलोड दि. : १९/१२/२०२३ : १६:००:५१ PM. वैद्यता पडताळणीसाठी <https://digitalsatbara.mahabhumi.gov.in/dslr/> या संकेत स्थळावर जाऊन 2504100001475258 हा क्रमांक वापरावा.

पृष्ठ क्र. २/४





हा गाव नमूना क्रमांक ७ दिनांक ३०/०७/२०२३:११:३८:४६ PM रोजी डिजिटल स्वाक्षरीत केला आहे व गाव नमूना क्रमांक १२ चा डेटा स्वयंप्रमाणित असल्यामुळे ७/१२ अभिलेखावर वर कोणत्याही सही शिक्क्याची आवश्यकता नाही.

७/१२ डाउनलोड दि. : १९/१२/२०२३ : १६:००:५१ PM. वैधता पडताळणीसाठी <https://digitalsatbara.mahabhumi.gov.in/dslr/> या संकेत स्थळावर जाऊन 2504100001475258 हा क्रमांक वापरावा.



गाव नमुना बारा (पिकांची नोंदवही)

[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवह्या (तयार करणे व सुस्थितीत ठेवणे) नियम १९७१ यातील नियम २९]

गाव :- करंजविहिरे (५५५७४९)

तालुका :- खेड

जिल्हा :- पुणे

भूमापन क्रमांक व उपविभाग ४०४

वर्षे	हंगाम	खाते क्रमांक	पिकाखालील क्षेत्राचा तपशील					लागवडीसाठी उपलब्ध नसलेली जमीन		शेरा
			पिकाचा प्रकार	पिकांचे नाव	जल सिंचित	अजल सिंचित	जल सिंचनाचे साधन	स्वरूप	क्षेत्र	
(१)	(२)	(३)	(४)	(५)	(६)	(७)	(८)	(९)	(१०)	(११)
					हे.आर.चौ.मी	हे.आर.चौ.मी			हे.आर.चौ.मी	
२०१८-१९	खरीप		मिश्र	गवत		०.४०००				
			निर्भळ	बटाटा		०.४०००				
			मिश्र	घेवडा		०.२०००				
			निर्भळ	शुईमुग		०.८०००				
२०१९-२०	खरीप		मिश्र	गवत		०.४०००				
			मिश्र	घेवडा		०.२०००				
			निर्भळ	बटाटा		०.४०००				
			निर्भळ	शुईमुग		०.८०००				
२०२०-२१	खरीप		मिश्र	घेवडा		०.२०००				
			निर्भळ	बटाटा		०.४०००				

टीप : ** सदरची नोंद मोबाइल ॲप द्वारे घेणेत आलेली आहे

	बाबुराव शंकर कोळेकर -----सामाईक क्षेत्र-----	०.७७.५०	१.१५	०.०१.५०	(१२२५)	बोजा - सहकारी सोसायटी इकरार दिनांक २२/०६/२०२० रोजी भैरवनाथ वि. का. सेवा
२८५	निरुपा सुहास कानिटकर	०.१७.५०	०.२६	०.०१.५०	(१३१२)	सह संस्था मर्या, चा बारकु शंकर कोळेकर यांच्या नावे र.रु.१५०००००/- कर्ज. (१३८६)
१३१५	[राजेश के गोयल [विनीत के गोयल -----सामाईक क्षेत्र-----	०.००.००	०		(१८९८) (१८९८)	बोजा - सहकारी सोसायटी इकरार दिनांक ०८/०५/२०२१ रोजी भैरवनाथ वि का.सेवा सह संस्था मर्या,करंजविहीरे चा गफर धोंडीबा कोळेकर यांच्या नावे र.रु.१५०००००/- कर्ज. (१५८९)
१३१६	[राजेश के गोयल				(१८९८)	प्रलंबित फेरफार : नाही.
१३३५	निरुपा सुहास कानिटकर स्नेहल संजय साने रणजित रामदास काकडे -----सामाईक क्षेत्र-----	०.६४.७५	०.९६	०.०१.३३	(१८९८) (१८९८) (१८९८)	शेवटचा फेरफार क्रमांक : १८९८ व दिनांक : ३०/०७/२०२३
१३६१	[स्नेहल संजय साने [सुनंदा रामदास काकडे -----सामाईक क्षेत्र-----	०.००.००	०		(१८९८) (१८९८)	
१३८६	[सुनंदा रामदास काकडे				(१८९८)	
१७७८	करंजे ईमराल्ड लॉजिस्टिक्स पार्क प्रा लि -----सामाईक क्षेत्र-----	२.५८.८६	३.८६	०.००.५०	(१८९८)	
जुने फेरफार क्र : (१) (२६९) (४७७) (७६९) (९५४) (१००२) (१०४३) (१०५९) (१०७८) (१०९४) (१११४) (११२२) (११४७) (११५२) (११७५) (१२२५)						सीमा आणि भुमापन चिन्हे :



हा गाव नमूना क्रमांक ७ दिनांक ३०/०७/२०२३:११:३३:५८ PM रोजी डिजिटल स्वाक्षरीत केला आहे व गाव नमूना क्रमांक १२ चा डेटा स्वयंप्रमाणित असल्यामुळे ७/१२ अभिलेखावर वर कोणत्याही सही शिक्क्याची आवश्यकता नाही.
७/१२ डाउनलोड दि. : १९/१२/२०२३ : १५:५७:५१ PM. वैधता पडताळणीसाठी <https://digitalsatbara.mahabhumi.gov.in/dslr/> या संकेत स्थळावर जाऊन 2504100001475252 हा क्रमांक वापरावा.

पृष्ठ क्र. २/३



गाव नमुना बारा (पिकांची नोंदवही)

[महाराष्ट्र जमीन महसूल अधिकार अभिलेख आणि नोंदवह्या (तयार करणे व सुस्थितीत ठेवणे) नियम १९७१ यातील नियम २९]

गाव :- करंजविहिरे (५५५७४९)

तालुका :- खेड

जिल्हा :- पुणे

भूमापन क्रमांक व उपविभाग ३७०

			पिकाखालील क्षेत्राचा तपशील					लागवडीसाठी उपलब्ध नसलेली जमीन		शेरा	
वर्षे	हंगाम	खाते क्रमांक	पिकाचा प्रकार	पिकांचे नाव	जल सिंचित	अजल सिंचित	जल सिंचनाचे साधन	स्वरूप	क्षेत्र		
(१)	(२)	(३)	(४)	(५)	(६)	(७)	(८)	(९)	(१०)	(११)	
					हे.आर.चौ.मी	हे.आर.चौ.मी			हे.आर.चौ.मी		
२०१८-१९	खरीप		निर्भळ	मका		०.६०००				साग-संख्या :२००, 	
			निर्भळ	उडीद		०.७०००					
			निर्भळ	भात		१.७०००					
			मिश्र	बाजरी		०.४०००					
			मिश्र	मिरची		०.३०००					
			मिश्र	सोयाबीन		१.००००					
२०१९-२०	खरीप		निर्भळ	भात		१.७०००				साग-संख्या :२००, 	
			निर्भळ	मका		०.६०००					
			मिश्र	मिरची		०.३०००					
			निर्भळ	उडीद		०.७०००					
			मिश्र	बाजरी		०.४०००					
			मिश्र	सोयाबीन		१.००००					
२०२०-२१	खरीप		मिश्र	बाजरी		०.४०००				साग-संख्या :२००, 	
			निर्भळ	मका		०.६०००					
			निर्भळ	उडीद		०.७०००					
			मिश्र	सोयाबीन		१.००००					
			मिश्र	लाल मिरची		०.३०००					
			निर्भळ	भात		१.७०००					

टीप : ** सदरची नोंद मोबाइल ॲप द्वारे घेणेत आलेली आहे

**Supplementary Agreement
Leave & License Agreement**

Sr. No.	101/2024
Date	18/01/2024
Village	Karanjihire
Licensor	Kohinoor RMK Logistics LLP.
Licensee	Life Secure Enterprises



महाराष्ट्र MAHARASHTRA

2023


CD 619520



SUPPLEMENTARY LEAVE AND LICENSE AGREEMENT

This SUPPLEMENTARY LEAVE & LICENSE AGREEMENT ['Agreement'] is made and executed at KARANJVIHIRE, Taluka Khed, District Pune on this 18th day of JANUARY, 2024.

BETWEEN

- 
- 1] **MRS. SUNANDA RAMDAS KAKADE**, Age about 53 years, Occupation- Agriculturist and Business, PAN- ABJPK2792F, AADHAAR No.- 2970 1322 0724; Having office at RMK Square, PO. Vishnupuri, Talegaon-Chakan Road, Nutan Maharashtra Engineering and Technology Institute, Talegaon Dabhade, Taluka Maval, District Pune 410507.
 - 2] **MR. RANJEET RAMDAS KAKADE**, Age about 32 years, Occupation- Agriculturist and Business, PAN- AXUPK0763D, AADHAAR No.- 4709 4678 2629; Having office at RMK Square, PO. Vishnupuri, Talegaon-Chakan Road, Nutan Maharashtra Engineering and Technology Institute, Talegaon Dabhade, Taluka Maval, District Pune 410507.
 - 3] **MRS. NIRUPA SUHAS KANITKAR**, Age about 52 years, Occupation- Agriculturist and Business, PAN- AAZPK8355K, AADHAAR No.- 7416 2226 0054; Residing at Mamurdi, Taluka Haveli, Pune 412101.
 - 4] **MRS. SNEHAL SANJAY SANE**, Age about 53 years, Occupation- Agriculturist and Business, PAN- ADPPS8434E, AADHAAR No.- 7726 6424 4543; Residing at 71, Sujay, Swaraj Nagari, Talegaon Dabhade, Taluka Maval, District Pune 410507.
 - 5] **MESSER'S KOHINOOR RMK LOGISTICS LLP**. [LLPIN: AAW-3935 & PAN: AAXFK2240F], a Limited Liability Partnership incorporated under the Limited Liability Partnership Act, 2008, having its registered office at No. 2992/1, Ground Floor,

Near Nutan College, Talegaon Dabhade, Taluka: Maval,
District: Pune, PIN Code: 410507, Represented by its
Designated Partner/ Authorized Signatory, **MRS. NIRUPA
SUHAS KANITKAR** [DPIN: 02699015 & PAN: AAZPK8355K],
Residing at Mamurdi, Tawka Haveli, District Pune-412101.
Authorized vide a 'Resolution' dated 27.11.2023 annexed
hereunder as **Annexure 'A-1'**

[Hereinafter referred to as the '**LICENSOR**', which expression shall,
unless repugnant to the context or meaning thereof, be deemed to
mean and include his/her/their heirs, designated partners,
authorized signatories, executors, successors-in-interest and
permitted assigns].

AND

M/S LIFE SECURE ENTERPRISES [PAN: AADFL2605F], a
Partnership Firm constituted under the Indian Partnership Act,
1932, having its registered address at A/P. Sadoli (Khalasa), Taluka
Karveer, District Kolhapur 416001 and principal place of business
at Plot No. 394, Bhagat Prestige, Yashwantnagar, Near Balaji
Temple, Talegaon Dabhade (Station), Taluka Maval, District Pune -
410507, represented by its Authorized Partner-

- 1] **MR. SUHAS RAMCHANDRA MEDSINGE**, Age about 40 years,
Occupation: Business, PAN-AXUPM2665G, UID- 3164 1843
7971; Residing at Arjunwad, Taluka Shirol, District Kolhapur-
416120,
- 2] **MR. MUJIB AMINUDDIN PATEL**, Age about 50 years,
Occupation: Business, PAN-APTPP1801N, UID- 7932 1023
0198; Residing at B-7, Khadki Postal Colony, Mumbai Pune
Road, Kadaki, Pune-411033,

3] **MRS. NIVEDITA SAMBHAJI JADHAV**, Age about 48 years, Occupation: Business, PAN-AUJPJ4824E, UID- 6760 8568 1910; Residing at Sadoli Khalsa, Taluka Karveer, District Kolhapur-416001,

4] **MR. SAMBHAJI KALLAPPA JADHAV**, Age about 51 years, Occupation: Business, PAN-AELPJ9772P, UID- 6016 2445 6723; Residing at Sadoli Khalsa, Taluka Karveer, District Kolhapur-416001,

[Hereinafter referred to as the '**LICENSEE**', which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its partners, authorized signatories, executors, successors-in-interest and permitted assigns].

The terms 'LICENSOR' and 'LICENSEE' are hereinafter jointly referred to as the '**PARTIES**' and individually as a '**PARTY**'.

WHEREAS

A. The LICENSOR have represented to the LICENSEE as under:

- a. Originally all that piece and parcel of land mentioned herein below lying and being at Village Karanjvihire, Taluka Khed, District Pune and within the limits of Pune Metropolitan Region Development Authority (PMRDA) and within the local limits of Group Grampanchayat Karanjvihire, Taluka Panchayat Samiti Khed and Zilla Parishad Pune, within the Registration Sub-District of Khed, District Pune was owned and possessed by their respective owners and their names were recorded on the revenue record of rights as an owner and occupants; which bearing:

405	00-93-00	Mr. Ramdas M. Kakade	00-62-00
		Mrs. Meera A. Joshi	00-31-00
		Total Area	00-93-00
406	01-69-00	Mr. Rajesh K. Goyal	01-69-00
		Total Area	01-69-00
407	00-50-00	Mr. Rajesh K. Goyal	00-50-00
		Total Area	00-50-00
408	00-72-00	Mr. Rajesh K. Goyal	00-72-00
		Total Area	00-72-00
Total Area admeasuring			19-60-94

- b. The said 1] Mrs. Sunanda Ramdas Kakade, 2] Mr. Ranjeet Ramdas Kakade, 3] Mrs. Nirupa Suhas Kanitkar, 4] Mrs. Snehal Sanjay Sane, 5] Kohinoor RMK Logistics LLP, 6] Mr. Rajesh K. Goyal, 7] Mr. Vineet K. Goyal and 8] Mrs. Meera A. Joshi had prepared a layout of Industrial Shed in respect of a portion of land area admeasuring 19 Hectare 60.94 Are, i.e., 1,96,094 Square Meter out of land bearing Gut/Consolidated Block No. 356 part, 366 part, 369 part, 370 part, 372 part, 402, 403, 404, 405, 406, 407, 408 lying and being at Village Karanjvihire, Taluka Khed, District Pune and submitted to the Pune Metropolitan Region Development Authority (PMRDA). The Metropolitan Commissioner @ Chief Executive Officer of the PMRDA had sanctioned the said layout and issued permission for construction vide its letter no. DP/बीकेएच/मो. करंजविहिरे/ ग.नं. ३५६ पै. व इतर/ प्र. क्र. ७९१/२२-२३/ दि. ०८/१२/२०२२. Accordingly, the Sub-Divisional Officer Khed, Subdivision Khed (Rajgurunagar), Pune issued Non-Agriculture Assessment in respect of the aforesaid portion of land area admeasuring 19 Hectare 60.94 Are, i.e., 1,96,094 Square Meter out of land bearing Gut/Consolidated Block No. 356 part, 366 part, 369 part, 370 part, 372 part, 402, 403, 404, 405, 406, 407, 408 lying and being at Village

Karanjvihire, Taluka Khed, District Pune, vide its letter no. सखद/बिसे/एसआर/७६/२०२२ राजगुरुनगर, दिनांक १४/११/२०२२; by virtue of the said sanctioned layout the aforesaid land divided into Industrial Plots, Internal Roads, Open Spaces, Amenity Spaces.

- c. The said 1] Mrs. Sunanda Ramdas Kakade, 2] Mr. Ranjeet Ramdas Kakade, 3] Mrs. Nirupa Suhas Kanitkar, 4] Mrs. Snehal Sanjay Sane, 5] Kohinoor RMK Logistics LLP, 6] Mr. Rajesh K. Goyal, 7] Mr. Vineet K. Goyal and 8] Mrs. Meera A. Joshi had sold, conveyed and transferred all that piece and parcel of Non-Agriculture land area admeasuring **15 Hectare 24.77 Are i.e., 1,52,477 Square Meter** out of land area admeasuring 19 Hectare 60.94 Are i.e., 1,96,094 Square Meters out of land bearing Consolidated Block/Gut No. 356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404 +405 +406 +407 +408 lying and situated at village Karanjvihire, Taluka Khed, District Pune to M/s. Karanje Emerald Logistic Parks Pvt. Ltd. and on 22/12/2022 executed a Sale Deed. The said Sale Deed duly registered in the office of Sub-Registrar of Assurances at Khed under serial no. KDP-2/15322/2022 dated 29/12/2022; by virtue of the said Sale Deed, the said 1] Mrs. Sunanda Ramdas Kakade, 2] Mr. Ranjeet Ramdas Kakade, 3] Mrs. Nirupa Suhas Kanitkar, 4] Mrs. Snehal Sanjay Sane, 5] Kohinoor RMK Logistics LLP, 6] Mr. Rajesh K. Goyal, 7] Mr. Vineet K. Goyal remain the owner and occupant of the portion of Non-Agriculture land area admeasuring 04 Hectare 36.17 Are i.e., 43,617 Square Meter out of land bearing Consolidated Block/Gut No. 356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404

+405 +406 +407 +408 lying and situated at village Karanjvhire, Taluka Khed, District Pune as follows:

Gut No.	Total Area [Hectare-Are]	Name of Owner	Area [Hectare-Are]
356	09-85-00	Mr. Rajesh K. Goyal & Mr. Vineet K. Goyal	00-25-86
		Mr. Rajesh K. Goyal	01-84-00
		Total Area	02-09-86
366	02-41-00	Mrs. Sunanda R. Kakade	00-40-30
		Total Area	00-40-30
369	03-75-00	M/s. Kohinoor RMK Logistics LLP	00-63-42
		Total Area	00-63-42
370	04-76-00	Mrs. Nirupa S. Kanitkar	00-19-00
		Mrs. Snehal S. Sane, Mr. Ranjeet R. Kakade & Mrs. Nirupa S. Kanitkar	00-66-08
		Total Area	00-85-08
404	01-81-00	Mrs. Sunanda R. Kakade	00-37-51
		Total Area	00-37-51
Total Area admeasuring			04-36-17

- d. The said 1] Mr. Rajesh K. Goyal & 2] Mr. Vineet K. Goyal had sold, conveyed and transferred their undivided share having area admeasuring 02 Hectare 09.86 Are i.e., 20,986 Square Meter out of Non-Agriculture Land area admeasuring 04 Hectare 36.17 Are i.e., 43,617 Square Meter out of Land bearing Consolidated Block/Gut No. 356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404 +405 +406 +407 +408 lying and situated at village Karanjvhire, Taluka Khed, District Pune to M/s. Kohinoor RMK Logistics LLP and on 20/10/2023 executed a Sale Deed. The said Sale Deed duly registered in the office of Sub-Registrar of Assurances at Khed under serial no. KDP-2/13383/2023 dated

01/11/2023; by virtue of the said Sale Deed, the said 1] Mrs. Sunanda Ramdas Kakade, 2] Mr. Ranjeet Ramdas Kakade, 3] Mrs. Nirupa Suhas Kanitkar, 4] Mrs. Snehal Sanjay Sane, 5] Kohinoor RMK Logistics LLP i.e., present LICENSOR herein became the owner and occupant of the portion of **Non-Agriculture land area admeasuring 04 Hectare 36.17 Are i.e., 43,617 Square Meter (inclusive of Industrial Plots, proportionate Open Spaces, Amenity Space, Internal Roads)** out of land bearing **Consolidated Block/Gut No. 356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404 +405 +406 +407 +408** lying and situated at village **Karanjihire**, Taluka Khed, District Pune as follows:

Gut No.	Total Area [Hectare-Are]	Name of Owner	Area [Hectare-Are]
356	09-85-00	M/s. Kohinoor RMK Logistics LLP	02-09-86
		Total Area	02-09-86
366	02-41-00	Mrs. Sunanda R. Kakade	00-40-30
		Total Area	00-40-30
369	03-75-00	M/s. Kohinoor RMK Logistics LLP	00-63-42
		Total Area	00-63-42
370	04-76-00	Mrs. Nirupa S. Kanitkar	00-30-46
		Mrs. Snehal S. Sane,	00-30-47
		Mr. Ranjeet R. Kakade	00-24-15
		Total Area	00-85-08
404	01-81-00	Mrs. Sunanda R. Kakade	00-37-51
		Total Area	00-37-51
		Total Area admeasuring	04-36-17

- e. Accordingly, name of the said Licensor duly recorded on the record of rights as an owner and occupant.

f. The said Licensor had prepared revised layout for Industrial Shed in respect of the portion of Non-Agriculture land area admeasuring 04 Hectare 36.17 Are i.e., 43,617 Square Meter out of land bearing Consolidated Block/Gut No. 356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404 +405 +406 +407 +408 lying and situated at village Karanjvihire, Taluka Khed, District Pune (hereinafter referred to as the **said Larger Land**) which is more particularly described in the **Schedule-I** written hereinunder, inclusive of Proposed Industrial Plots, Open Spaces, Amenity Space, Internal Roads to be sell on ownership basis.

g. The said Licensor herein are therefore absolutely seized and possessed of or otherwise well and sufficiently entitled to **the said Larger Land** more particularly described in the **Schedule-I** written hereinunder having their proportionate share as follows:

Name of Vendor/Owner	Share [in percentage]
M/s. Kohinoor RMK Logistics LLP	62.65%
Mrs. Sunanda Ramdas Kakade	17.84%
Mrs. Nirupa Suhas Kanitkar	06.98%
Mrs. Snehal Sanjay Sane	06.99%
Mr. Ranjeet Ramdas Kakade	05.54%

h. The Licensor represents that they have clean, clear and marketable title in respect of the said Larger Land;

B. M/S LIFE SECURE ENTERPRISES i.e., **the LICENSEE** herein has represented to the LICENSOR that it is engaged in the business of Collection, Transportation, Storage, Treatment and Disposal Facility of Common Bio Medical Waste (CBMWTSDF) and other allied pursuit under the name and style of "LIFE

SECURE ENTERPRISES" [Referred to as the 'said Business'] and being desirous of acquiring, on a leave and license basis, an industrial premises suitable for the 'said Business', has approached the LICENSOR to grant all that piece and parcel of **Industrial Shed** having approximate **built-up area admeasuring 557.41 square meter** i.e., 6000 square feet, and **Office** having approximate **built-up area admeasuring 139.35 square meter** i.e., 1500 square feet, **total built-up area admeasuring 696.76 square meter** i.e., 7500 square feet; to be constructed on Proposed **Industrial Plot No. 05** having area admeasuring **4752.30 Square Meter** out of the said Larger Land (hereinafter referred to as the **said Plot**) which is more particularly described in the **Schedule-II** written hereinunder and hereinafter referred to as the 'Licensed Premises' on a temporary leave and license basis to the LICENSEE for carrying out/ conducting the 'said Business' therefrom.

C. Relying upon the representations made by the LICENSEE and pursuant to negotiations between the PARTIES herein, the LICENSOR has agreed to provide the 'Licensed Premises' to the LICENSEE, to carry out the said Business therefrom, on a temporary leave and license basis for a period of **29 [TWENTY-NINE] Years** i.e. **348 [THREE HUNDRED FORTY EIGHT] Months**, commencing from the 'License Commencement Date'/ 'Handover Date', based on the terms and conditions more particularly enumerated and mentioned hereinafter.

D. On 29/12/2023 the Licensor No. 5 and Licensee had executed a Leave and License Agreement in respect of all that piece and parcel of Industrial Shed having approximate built-up area

admeasuring 557.41 square meter i.e., 6000 square feet, and Office having approximate built-up area admeasuring 139.35 square meter i.e., 1500 square feet, total built-up area admeasuring 696.76 square meter i.e., 7500 square feet; to be constructed on non-agriculture land area admeasuring 4752.30 square meter out of aforesaid land bearing of Non-agriculture land area admeasuring 6342.00 Square Meter, out of land bearing Consolidated Block/Gut No. 369 which therein referred to as the 'Licensed Premises'; which is part of the said Larger Land. The said Leave and License Agreement duly registered in the office of Sub-Registrar of Assurances at Khed under serial no. KDP-2/15060/2023; According to the revised layout pertaining to the Larger Land, it has become imperative for the Licensor and the Licensee, to undertake a modification in the delineation of the Licensed Premises as elucidated in the primary Leave and License Agreement. This necessitation has given rise to the formulation and execution of a Supplementary Leave and License Agreement. This addendum is intended to capture and reflect the updated dimensions and characteristics of the Licensed Premises in accordance with the altered layout, In pursuance of the aforementioned objectives, this Supplementary Leave and License Agreement has been executed to mirror the alterations in the dimensions and the particulars of the Licensed Premises, thereby ensuring adherence to all pertinent legal and procedural mandates. This amendment serves to bring the existing documentation into alignment with the present condition and configuration of the property, thereby bestowing both lucidity and legal exactitude upon the arrangements between the parties concerned. The consummation of this supplementary agreement

with the '**Handover Conditions**', as specified in **Annexure 'A'** annexed hereunder. It is hereby expressly agreed between the PARTIES that upon completion of the flooring works of/at the 'Licensed Premises' by the LICENSOR, the LICENSOR shall permit the LICENSEE to access and enter into the 'Licensed Premises' solely for carrying out its fit-outs and installing its infrastructure and equipment concerning the 'said Business' within the above mentioned **30 [Thirty] Days** period, simultaneously with the LICENSOR completing its remaining 'Handover Conditions', provided the LICENSEE shall ensure not to cause any hindrance or obstruction to the works being carried out by the LICENSOR therein. In furtherance to the same, irrespective of the fit-outs by the LICENSEE being completed or not, the LICENSEE shall commence payment of the corresponding 'License Fee', 'Maintenance Charges', utility charges and other charges/ taxes as agreed herein, from the 'License Commencement Date'/ 'Handover Date' itself. For the purpose of clarity, the above mentioned **30 [Thirty] Days** period after completion of flooring works of/at the 'Licensed Premises' shall also be the fit-out period for the LICENSEE and no additional/separate license fee free fit-out period shall be granted to the LICENSEE after the 'License Commencement Date'/ 'Handover Date'.

- 2.2. Upon the completion of construction of the 'Licensed Premises' in accordance with the 'Handover Conditions' specified herein:
 - 2.2.1. the PARTIES shall conduct a joint inspection of the 'Licensed Premises' to enable the LICENSEE to verify that the construction of the 'Licensed Premises' has been completed in accordance with the 'Handover Conditions' specified herein;
 - 2.2.2. the LICENSOR shall remove its equipment, paraphernalia and personnel from the 'Licensed Premises' and put the LICENSEE in exclusive use and occupation of the same; and
 - 2.2.3. the PARTIES shall execute a separate 'Letter of Handover' evidencing the handover of occupation of the 'Licensed Premises'.
- 2.3. The license term of this 'Agreement' shall be for a period of **29**

[TWENTY-NINE] Years i.e. **348 [THREE HUNDRED FORTY EIGHT] Months**, commencing from the 'License Commencement Date'/ 'Handover Date' up-to the 'License Expiry Date' *[both days inclusive]* [hereinafter referred to as the '**License Term**'].

- 2.4. The LICENSEE may, after serving a written notice to the LICENSOR, of not less than **06 [Six] Months** prior to expiry of the 'License Term', opt for a fresh license for a further period on mutually agreed terms and conditions. All costs/ charges/ duties pertaining and incidental to the execution and registration of such fresh leave and license agreement shall solely be borne and paid by the LICENSEE.

3. LOCK-IN PERIOD:

- 3.1. The period commencing from the 'License Commencement Date'/ 'Handover Date' of **15 [FIFTEEN] Years** i.e. **180 [ONE HUNDRED EIGHTY] Months**, shall be firmly observed as a lock-in period by both the PARTIES [Referred to as '**Lock-in Period**'] and during the said 'Lock-in Period', neither the LICENSOR nor the LICENSEE shall be entitled to terminate this 'Agreement', except as specifically mentioned herein.
- 3.2. In case the LICENSEE terminates this 'Agreement' [OR] this 'Agreement' is terminated by the LICENSOR on account of non-compliance, non-performance or an uncured breach on the part of the LICENSEE, prior to completion of the 'Lock-in Period', the LICENSEE shall be liable to pay an amount equivalent to the 'License Fee', 'Maintenance Charges' and applicable taxes as mentioned herein to the LICENSOR for the entire balance 'Lock-in-Period' [hereinafter referred to as the '**Ascertained Debt**'], in consonance to which the LICENSOR shall not only be entitled to adjust the Interest free refundable security deposit as mentioned hereunder, towards the 'Ascertained Debt', but in an event wherein the said Interest Free Refundable Security Deposit is insufficient to entirely adjust the said 'Ascertained Debt', the LICENSEE shall be liable to pay such balance amount of the said Ascertained Debt within **21 [Twenty One] Days** from the date of such



termination, failing which the LICENSEE shall be liable to pay the balance amount due and payable to the LICENSOR, together with interest @ **1% [One Percent] Per Month**, calculated from the date of expiry of such 21 [Twenty One] Days' Period until the date of actual payment by the LICENSEE to the LICENSOR thereof.

3.3. In consonance to the above, it is expressly agreed between the PARTIES, that the LICENSOR shall be liable to refund the Interest Free Refundable Security Deposit only if the Interest Free Refundable Security Deposit is not adjusted by the LICENSOR towards the 'Ascertained Debt' and only if the LICENSEE has complied with all its obligations herein, including satisfaction of the 'Ascertained Debt', in full, as mentioned herein.

3.4. As mutually agreed, in case this 'Agreement' is terminated by the LICENSEE during the 'Lock-in Period', on account of an uncured breach of any terms, conditions or covenants of these presents on the part of the LICENSOR, then the LICENSEE shall not be liable or responsible to pay such 'Ascertained Debt'.

4. RATE AND PAYMENT OF LICENSE FEE, MAINTENANCE CHARGES AND ESCALATION THEREOF:

4.1. It is expressly agreed by and between the PARTIES, that in consideration of grant of this temporary leave and license by the LICENSOR to the LICENSEE to use the 'Licensed Premises', the LICENSEE shall pay, in advance, to the LICENSOR No.5, during the entire 'License Term' of this 'Agreement', a monthly license fee of **INR 2,70,000.00 (Rupees Two Lac Seventy Thousands Only)** exclusive of all applicable taxes, from the 'License Commencement Date'/'Handover Date', and thereafter, at an annual escalation of **05% [Five Percent]** onwards, [hereinafter referred to as the '**License Fee**'].

4.2. Furthermore, over and above the monthly 'License Fee', the LICENSEE shall also pay, in advance, to the LICENSOR, during the 'License Term' of this 'Agreement', monthly

maintenance charges calculated @ **INR 01/- Per Sq. Ft.** [on the total **Built-up/ Constructed Area** of the 'Licensed Premises' i.e. on area admeasuring 696.76 square meter i.e., 7500 square feet.], from the 'License Commencement Date'/ 'Handover Date', at an annual escalation of **05% [Five Percent]** onwards, [hereinafter referred to as the '**Maintenance Charges**']. It is expressly clarified and agreed between the PARTIES that the LICENSOR has engaged "Norville Maintenance Private Limited" as its facility maintenance/ management agency, wherein the invoices for the 'Maintenance Charges' shall be issued by "Norville Maintenance Private Limited".

- 4.3. The LICENSOR shall issue a valid tax invoice for the 'License Fee' and 'Maintenance Charges' on or before the 01st [First] Day of each English Calendar Month and the LICENSEE shall pay the aforesaid 'License Fee' and 'Maintenance Charges', on or before the **10th [Tenth] Day** of each English Calendar Month for which the invoice has been issued, failing which, the LICENSEE shall be liable to pay the outstanding total 'License Fee' and/or 'Maintenance Charges' together with interest @ **1% [One Percent] Per Month**, from the due date until the date of actual payment being received in the designated bank account of the LICENSOR thereof.
- 4.4. It is agreed by the LICENSEE that the monthly 'License Fee' and 'Maintenance Charges' as mentioned above, shall be credited on or before the stipulated monthly due date, by way of RTGS [Real Time Gross Settlement]/ Online Bank Transfer/ NEFT [National Electronic Fund Transfer], in the designated bank account as may be intimated by the LICENSOR, from time to time.
- 4.5. The said monthly 'License Fee' and/or 'Maintenance Charges' shall be payable by the LICENSEE, subject to deduction of Tax at Source [TDS] and in evidence of such deductions, the LICENSEE shall carry out the appropriate e-fillings and furnish the LICENSOR with the copies of the requisite certificates/ forms thereof, within the stipulated timelines, as

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may be applicable and provided under the prevailing Income Tax laws, failing which, the same shall be regarded as a breach on the part of the LICENSEE under this 'Agreement'.

- 4.6. In furtherance to the same, the LICENSEE agrees and assures to additionally pay every month to the LICENSOR, the entire Goods and Services Tax [GST] or other taxes, if any payable and any escalations thereof, applicable on the said 'License Fee' and/or 'Maintenance Charges', over and above the said 'License Fee' and/or 'Maintenance Charges', as per the valid tax invoice raised by the LICENSOR, subject to adjusting an amount deductible by the LICENSEE towards Tax Deductible at Source [TDS], as may be applicable under the prevailing Income Tax Laws. However, a failure by the LICENSOR to collect Goods and Services Tax [GST] or other taxes, if any, from the LICENSEE on a monthly basis shall not be deemed as a waiver thereof and such taxes shall be paid additionally by the LICENSEE to the LICENSOR as and when demanded by the LICENSOR, failing which the LICENSOR shall, at its sole discretion, pay the relevant Goods and Services Tax [GST] to the concerned Tax Authorities and thereafter adjust/ deduct the same from the said Interest Free Refundable Security Deposit and the LICENSOR shall further be entitled to charge interest @ **1% [One Percent] Per Month** on such amount/ charges/ taxes so deducted from the day such amount/ charges/ taxes have been deducted from the 'IFRSD' until the same is paid by the LICENSEE to the LICENSOR.
- 4.7. For the purposes of this 'Agreement', Goods and Services Tax [GST] shall include the Central Goods and Services Tax [CGST], State Goods and Services Tax [SGST] / Union Territories Goods and Service Tax [UTGST] and/or the Integrated Goods and Services Tax [IGST] and GST Compensation Cess, as may be applicable. Any and all GST charged shall be paid along with the 'License Fee' and 'Maintenance Charges' payment, only after proper GST invoice details are uploaded by the LICENSOR on the GST portal to enable the availment of input tax credit by the LICENSEE.

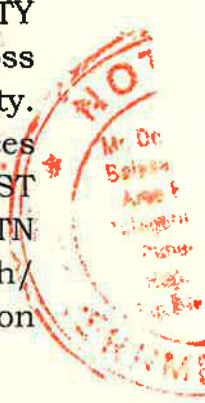
- 4.8. The LICENSEE shall ensure compliance to the GST Legislations including, *inter-alia*, all registrations, filing of returns, etc. In case any credit, refund or other benefit is denied or delayed to the non-defaulting PARTY due to any non-compliance by the other defaulting PARTY [*such as failure to upload the details on the GSTN (Goods and Services Tax Network) portal, etc.*] or due to non-furnishing or furnishing of incorrect or incomplete documents, the defaulting PARTY shall reimburse to the non-defaulting PARTY the loss including, but not limited to, the tax loss, interest and penalty. The PARTIES agree that, to avail credits smoothly, the invoices issued shall contain all the particulars as per the GST Legislations and details thereof should be uploaded on GSTN within the time prescribed under law. Any mismatch/ reconciliation shall be resolved between the PARTIES on priority basis.
- 4.9. Under no circumstances shall the LICENSEE be allowed to challenge the 'License Fee', 'Maintenance Charges', utility charges; other charges/ taxes and escalations as agreed herein.

5. INTEREST FREE REFUNDABLE SECURITY DEPOSIT:

- 5.1. The LICENSEE has deposited/ shall deposit with the LICENSOR No.5 an interest free refundable security deposit of an amount equivalent to the 'License Fee' for initial 06 [Six] Months of the 'License Term' i.e. **INR 16,00,000/- [RUPEES SIXTEEN LACS ONLY]** as follows:

Amount	Particular
INR 16,00,000.00	[Rupees Sixteen Lacs Only] paid by the LICENSEE vide a Cheque bearing No. 005092, dated 30.11.2023, drawn on ICICI Bank, Talegaon Dabhade Branch, before the execution of this 'Agreement' to the LICENSOR No.5.
INR 16,00,000.00	TOTAL RUPEES SIXTEEN LACS ONLY

- 5.2. Subject to as provided in **[Clause 3.2]** & **[Clause 3.3]** above,



the said Interest Free Refundable Security Deposit shall be retained by the LICENSOR throughout the subsistence of this 'Agreement' and shall be refunded to the LICENSEE by the LICENSOR on the expiry or earlier termination of this 'Agreement', simultaneously on the LICENSEE vacating and peacefully handing over the 'Licensed Premises' to the LICENSOR, subject to deduction of any amounts that may be due and payable by the LICENSEE to the LICENSOR, including the amounts payable by the LICENSEE in respect of damages [except any normal wear and tear due to weather/ climatic conditions and/or ageing of the 'Licensed Premises'], if any, caused to the 'Licensed Premises' and the arrears of 'License Fee' and/or 'Maintenance Charges' and/or utility charges and/or any other charges/ taxes as mentioned in this 'Agreement'.

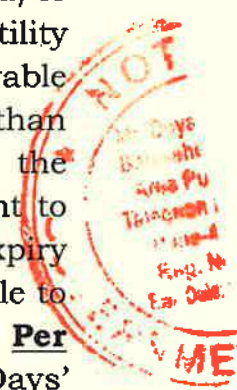
5.3. In the event, the LICENSOR has notified the LICENSEE that it is ready and willing to refund the Interest Free Refundable Security Deposit, subject to such deductions, as mentioned aforesaid, but the LICENSEE fails to de-bond/ disassociate and/or hand over the 'Licensed Premises' to the LICENSOR, on the expiry or earlier termination of this 'Agreement', the LICENSEE shall, in addition to any unpaid dues, be liable to pay to the LICENSOR, **twice** the amount of the last paid monthly 'License Fee' and 'Maintenance Charges' along with applicable utility charges and taxes in relation to the 'Licensed Premises' [calculated on a pro-rata basis] for every day of delay in handing over the 'Licensed Premises', as a minimum penalty payable to the LICENSOR, from the date of expiry or earlier termination of this 'Agreement' till de-bonding/ disassociation [as applicable] and/or actual handover of the 'Licensed Premises' to the LICENSOR, *whichever is later*.

5.4. In case the LICENSOR fails or defaults to refund/ return the Interest Free Refundable Security Deposit or any part thereof, subject to such adjustments/ deductions as aforesaid, despite of the LICENSEE having notified its willingness to hand over vacant and peaceful occupation of the 'Licensed Premises' as contemplated herein to the LICENSOR, then the LICENSOR

shall be liable to pay and the LICENSEE shall be entitled to receive from the LICENSOR interest @ **1% [One Percent] Per Month** [calculated on a pro-rata basis] on the amount of Interest Free Refundable Security Deposit, so refundable.

5.5. It is further agreed between the PARTIES that, if the total amount to be deducted towards repairing the damage caused to the 'Licensed Premises' and/or unpaid 'License Fee' and/or unpaid 'Maintenance Charges' and/or outstanding utility charges and/or any other outstanding charges/ taxes payable by the LICENSEE under this 'Agreement', if any, is more than the Interest Free Refundable Security Deposit, then the LICENSEE shall immediately pay the differential amount to the LICENSOR within **21 [Twenty One] Days** of such expiry or termination, failing which the LICENSEE shall be liable to pay the same along with interest @ **1% [One Percent] Per Month** from the date of expiry of such **21 [Twenty One] Days'** period until the date of actual payment by the LICENSEE to the LICENSOR thereof.

5.6. Furthermore, it is categorically agreed by and between the PARTIES that, **15 [Fifteen] Days** prior to expiry/ termination of this 'Agreement', a joint inspection shall be conducted by the PARTIES and a report shall be prepared of the list and quantum of damages [except normal wear & tear due to weather/ climatic conditions and/or ageing of the 'Licensed Premises']. The amount towards such repairs and/or damages as may be mentioned in such joint report shall be deemed to be final and binding on the PARTIES and the LICENSEE shall be liable to pay the aforesaid amount to the LICENSOR towards repairs and/or damages, failing which the LICENSOR shall be entitled to deduct such amount from the Interest Free Refundable Security Deposit and recover the balance, if any, from the LICENSEE. In the event of dispute on the joint report, the PARTIES shall, within a period of **05 [Five] Days** from the date of dispute on the joint report, engage an independent subject-matter expert to determine the damages within a period of **07 [Seven] Days** from the date of such engagement, so as to procure the determination before the date of expiry/



termination, wherein the un-disputed portion of the Interest Free Refundable Security Deposit shall be refunded by the LICENSOR and for the disputed portion, the decision of such independent subject-matter expert shall be final and binding upon the PARTIES, wherein the LICENSEE shall not avoid peaceful and vacant hand over of the 'Licensed Premises' to the LICENSOR, for any reason whatsoever.

6. PAYMENT OF TAXES:

- 6.1. All present and future property taxes, gram panchayat/ municipal taxes and/or cess, in respect of the 'Licensed Premises', levied by the Gram Panchayat/ Local Municipal Authority or any other statutory or other authority(ies), shall be borne by the LICENSOR, however, if there is any increase in the aforesaid taxes on account of the LICENSEE'S use of the 'Licensed Premises', the increment/ differential amount shall solely be borne and paid by the LICENSEE.
- 6.2. Furthermore, the LICENSEE shall solely be required to bear and pay any taxes *[including goods and services tax and/or any tax of similar nature imposed by the Government and/or any other competent authority from time to time]* on the 'License Fee' and/or 'Maintenance Charges' and/or utility charges and/or other charges paid/ payable by the LICENSEE to the LICENSOR and/or to the respective utility provider/company, as the case may be.

7. UTILITIES, FACILITIES AND OTHER CHARGES:

- 7.1. **Electricity:** The LICENSEE shall obtain, at its own cost and expense, a separate electricity connection in the name of the LICENSEE herein with respect to the 'Licensed Premises' with sanctioned power of up-to **150 KVA** until/ up-to the Transformer Output, wherein further distribution/ supply/ internal and external wiring/ cabling/ electrical infrastructure from the Transformer Output up-to the desired points/ places in the 'Licensed Premises' shall be within the scope and expense of the LICENSEE. However, the infrastructure/ set-up for the electricity connection such as the electricity meter, transformer, panel, cables, etc. shall, at

all times, be the sole property of the LICENSOR, wherein the LICENSEE shall not have any rights whatsoever, over and/or in respect of the same. The LICENSEE shall pay all service charges/ security deposits required to obtain such electricity connection. The LICENSEE agrees that it shall remit the electricity consumption charges at prevailing rates as per the meter readings, to the concerned service/ utility provider in accordance with the actual consumption bills received during the 'License Term' of this 'Agreement'. In the event such electricity connection is disconnected owing to a default on the part of the LICENSEE [*which default shall include but not be limited to the non-payment of electricity bills*], the re-connection charges shall also be borne and paid by the LICENSEE alone. It is specifically clarified and agreed between the PARTIES that, under no circumstances whatsoever, shall the LICENSOR be liable/ held accountable to pay electricity consumption charges to the concerned service/ utility provider, wherein the sole and absolute responsibility in relation to the same shall always be that of the LICENSEE herein. The LICENSEE hereby represents, warrants, agrees and undertakes that any maintenance, servicing, repairing and/or oil insulation tests that may be required for and in respect to the transformer, whether on an annual basis or at timely intervals as may be mandated or notified by the concerned authority(ies), shall be proactively and diligently complied by the LICENSEE, at its own costs and expenses, through a reputed Government Authorized Contractor only, subsequent to which the LICENSEE shall also be responsible to submit detailed reports to the respective Government Departments, as may be required under the prevailing laws thereof. If the LICENSEE requires any additional supply of power, the same shall be procured solely by the LICENSEE, at its own cost and expense, subject to availability and subject to prior written permission from the LICENSOR. All additional costs for new cables, meter, panel, etc. shall also be solely borne by the LICENSEE herein. It is further expressly clarified between the PARTIES that upon expiry or earlier termination

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of this 'Agreement', the LICENSEE shall, at the sole discretion of the LICENSOR, cause to transfer the electricity connection/ meter held in its name to either the LICENSOR or any new licensee(s)/ lessee(s)/ purchaser(s) of the 'Licensed Premises' or to any affiliate(s) of the LICENSOR, wherein the LICENSEE shall promptly, as per the direction of the LICENSOR, sign/ execute the appropriate forms/ applications/ undertakings/ affidavits/ papers/ documents to that effect. Furthermore, upon expiry or earlier termination of this 'Agreement', the security deposit amount in relation to such electricity connection deposited by the LICENSEE with the concerned service/ utility provider, shall also stand transferred to the name and account of the LICENSOR or any such new licensee(s)/ lessee(s)/ purchaser(s) of the 'Licensed Premises' or any such affiliate(s) of the LICENSOR *[as may be nominated/ directed by the LICENSOR in its sole discretion]*, wherein such security deposit amount shall promptly be paid/ reimbursed by the LICENSOR or such new licensee(s)/ lessee(s)/ purchaser(s) of the 'Licensed Premises' or affiliate(s) of the LICENSOR, to the LICENSEE, within 30 [Thirty] Days of transfer of the electricity connection/ meter, as contemplated above.

- 7.2. **Water:** The LICENSOR has provided/ shall provide the 'Licensed Premises' with water connection along with provision for storage of adequate water. The LICENSEE shall be obliged to provide all the documents/ details/ papers as well as pay all service charges/ security deposits required to maintain such water connection, within 05 [Five] Working Days of request/demand raised to the LICENSEE, as any delay in procurement of a water connection, on account of any delay by the LICENSEE in providing such documents/ details /papers and/or in payment of such service charges/ security deposits, shall be attributed to the LICENSEE. The LICENSOR shall not be held responsible in the event there is no water available at times from the source. The LICENSEE agrees that it shall directly pay the water charges as per the meter readings in accordance with the actual consumption bills



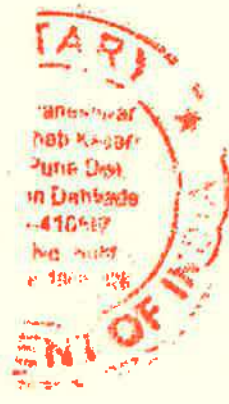
received during the 'License Term' of this 'Agreement' to the provider. In the event such water supply is disconnected owing to a default on the part of the LICENSEE [*which default shall include but not be limited to the non-payment of bills*], the re-connection charges shall also be borne and paid by the LICENSEE alone. It is specifically clarified and agreed between the PARTIES that, under no circumstances whatsoever, shall the LICENSOR be liable/ held accountable to pay water consumption charges, wherein the sole and absolute responsibility in relation to the same shall always be that of the LICENSEE herein.

7.3. **FIRE FIGHTING**

The LESSOR shall also install and provide fire fighting system, within the 'Demised Premises', as may be required by the 'Applicable Laws'.

7.4. **Other Facilities:** The LICENSEE shall be entitled to apply for telephone/ telecommunications/ fax/ data transmission/ internet connections and services in the 'Licensed Premises' as the LICENSEE may deem fit and proper, however all expenses and costs for installation, usage and maintenance of such connections shall solely and entirely, be borne and paid by the LICENSEE alone. The LICENSOR shall sign, execute and hand over all requisite papers, documents, deeds and writings, and provide any and all assistance, as may be required by the LICENSEE, to obtain the requisite permissions and consents in order to install such connections and facilities. Furthermore, the LICENSEE alone shall, from the 'License Commencement Date'/ 'Handover Date', be responsible for the day-to-day maintenance, housekeeping [*internal & external*], perimeter & internal security, maintenance of open space and all canteens, toilets & washrooms, in relation to cleanliness, maintenance, repairs and security of the 'Licensed Premises' and shall duly pay such charges directly to the concerned service/ utility providers.

7.5. **Express Understanding:** Notwithstanding anything contained herein, it is hereby expressly agreed by the



LICENSEE that if, for any reason beyond the control of the LICENSOR, there is a break/ interruption in the supply of electricity/ water/ any other utility service as provided by the concerned utility service providers/ authorities/ agencies in the 'Licensed Premises', then:

7.5.1. the LICENSEE shall not be entitled to claim any rebate or deduction in the payment of the 'License Fee', 'Maintenance Charges' or any other amounts payable under this 'Agreement';

7.5.2. the LICENSOR shall not be held responsible for any consequential difficulties or losses incurred/ suffered by the LICENSEE;

7.5.3. the LICENSEE shall not apply for or obtain any additional and/or alternative electricity/ water meter/ utility connection, without the prior written approval of the LICENSOR.

8. REPAIRS AND MAINTENANCE OF THE 'LICENSED PREMISES':

8.1. The LICENSEE shall be responsible for keeping the 'Licensed Premises' in its original condition, as handed over on the 'License Commencement Date'/ 'Handover Date' *[subject to normal wear tear due to weather/ climatic conditions and/or ageing of the 'Licensed Premises']* and shall during the entire 'License Term' solely and entirely bear and pay all sums towards actual cost of day-to-day maintenance, internal repairs/ renovations/ changes/ additions/ alterations *[civil non-structural, electrical including cabling, plumbing, P.O.P., genset repairing, CCTV maintenance, etc.]* and painting *[internal]* in respect of the 'Licensed Premises'.

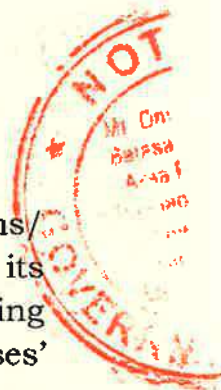
8.2. The LICENSEE shall duly inform and submit all the as-built drawings and plans with respect to any internal repairs/ renovations/ changes/ additions/ alterations, etc. to the LICENSOR for approval and upon the written permission/ approval of the LICENSOR and subject to any statutory/ governmental provisions, the LICENSEE shall, at its own cost, risk and responsibility, be at liberty to carry out any such

internal repairs/ renovations/ changes/ additions/ alterations, etc. in or to the 'Licensed Premises' as per its needs and requirements including fixing or installing additional fixtures and fittings in the 'Licensed Premises' including but not limited to shelves, screens, racks, sun blinds, partitions, furniture, fixtures and fittings and any other equipment, fire extinguishing systems and other conveniences required by the LICENSEE for or in connection with the use and occupation of the 'Licensed Premises'. If any statutory clearance is required to be obtained from the Local Municipal Authority or any other appropriate authority for carrying out such internal repairs/ renovations/ changes/ additions/ alterations, etc. the LICENSEE shall, at its sole cost and expense, obtain the same. All or any costs payable to any contractors in relation to such internal repairs/ renovations/ changes/ additions/ alterations, etc. in the 'Licensed Premises' shall solely and entirely be paid by the LICENSEE and the LICENSOR shall not be held liable and/or responsible for the same.

- 8.3. The LICENSEE agrees to undertake all day-to-day minor repairs within the said 'Licensed Premises', at its own cost and expense. In case of a need for any structural repairs or other major repairs, occurring for no fault attributable to the LICENSEE *[including without limitation any leakage/ seepage or bursting of sanitary pipes or any damp to the structure]*, only then the LICENSOR shall repair the same at its own cost. The LICENSEE shall intimate the LICENSOR in writing of structural repairs and/or other major repairs as mentioned in this 'Agreement' to be carried out by the LICENSOR and the LICENSOR shall forthwith undertake the said repairs upon receipt of such intimation, subject to obtaining the necessary approval of the Gram Panchayat/ Local Municipal Authority or any other appropriate authority.

9. SIGNAGE/ HOARDINGS:

- 9.1. The LICENSEE shall be entitled to affix or exhibit any signboards, hoardings, name boards, advertisements, signage

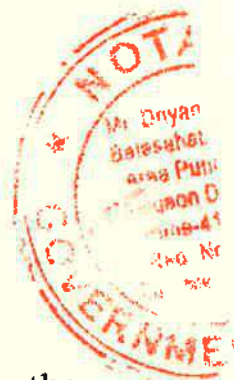


etc. at such designated locations as may be approved by the LICENSOR, upon or outside the 'Licensed Premises'.

- 9.2. Furthermore, it has been agreed by the PARTIES herein, that the LICENSEE may utilize corporate colours and lettering for the said signage(s), however, the cost of development and erection of the signage(s) and any statutory payments/ fee, license charges, etc. payable to the concerned governmental authority shall solely and entirely be borne by the LICENSEE and all such requisite permissions/ sanctions shall be obtained by the LICENSEE, prior to installation of such signage(s).
- 9.3. The LICENSEE hereby ensures that no damage shall be caused to the structure and/or the external facade of the 'Licensed Premises' due to such signage(s).

10. ROOF TOP SOLAR:

- 10.1. The LICENSOR retains the occupation of the roof above the structure comprised within the 'Licensed Premises' for any purpose, including but not limited to installation of Roof Top Solar Panels, at its discretion, without hindering/ obstructing the business operations of the LICENSEE.
- 10.2. The LICENSEE shall not use the Roof Top of the structure comprised within the 'Licensed Premises' for any purposes whatsoever, without the prior written consent of the LICENSOR.
- 10.3. The LICENSOR shall be entitled to install Roof Top Solar Panels of such capacity, as may be assessed by technical evaluation.
- 10.4. The LICENSOR shall bear all the costs associated with such solar panels including permission, design, erection and operation of such solar panels. The LICENSOR may procure a separate electricity meter thereof, in the name of the LICENSEE, in case the LICENSEE opts to consume such renewable energy, in pursuance of which, the LICENSOR shall procure the necessary permissions from Maharashtra State Electricity Distribution Company Limited [MSEDCL] under




the NET metering scheme. The charges towards the consumption of such renewable energy shall be less than INR 01.00 [RUPEES ONE ONLY] of the variable rate of MSEDCL for first 05 [FIVE] years and onwards that it shall be less than INR 02.00 [RUPEES TWO ONLY] of the variable rate of MSEDCL for next 05[FIVE] years.

- 10.5. The LICENSEE has given its deemed consent as may be required, for installation of such electricity connection whether or not, such renewable energy being consumed by the LICENSEE or being consumed by any third party or person thereof.
- 10.6. In case the LICENSEE is in need of additional electricity/ power and though without being obligated, the LICENSEE, at its sole and absolute discretion, opts to avail/ consume electricity generated from such Roof Top Solar Panels, then in such an event, the LICENSOR shall raise a separate monthly invoice of the electricity consumed from such solar energy as per the meter installed at the 'Licensed Premises' and the LICENSEE shall duly pay such amount along with the 'License Fee' and 'Maintenance Charges' directly to the LICENSOR, failing which the delay interest provided for the 'License Fee' and 'Maintenance Charges' shall be applicable in case of such payment default.
- 10.7. A separate Power Purchase Agreement [PPA] will be executed between the PARTIES, if the LICENSEE intends to avail solar power from LICENSOR.

11. SALE/ ASSIGNMENT OF RIGHTS:

- 11.1. It is categorically acknowledged and agreed by the LICENSEE herein, that if so desired by the LICENSOR, the LICENSOR can create a charge or an encumbrance on the 'Licensed Premises', by way of mortgage and/or creating third party interest, etc. in favour of any bank and/or financial institution, however, in such a case the liability of repayment of the entire dues shall be that of the LICENSOR alone. It is agreed by and between the PARTIES herein that the LICENSEE herein shall not raise any objections thereof. In



pursuance of the same, if the LICENSOR intend to do license fee discounting wherein the LICENSOR instructs the LICENSEE to pay the 'License Fee' and/or 'Maintenance Fee' and/or any other charges, towards the monthly instalment of such bank and/or financial institution directly, the LICENSEE agrees to co-operate with the LICENSOR in all respects and if such Bank/ Financial Institution so insists, to submit a No Objection Certificate [NOC] to that effect [or] enter into such written understanding as such bank/ financial institution may deem fit.

11.2. Furthermore, it is also acknowledged and agreed by the LICENSEE herein, that the LICENSOR shall be entitled to sell, transfer, assign and/or convey the 'Licensed Premises' to any party(ies) and/or person(s) and in such an event, if the LICENSOR disposes of the 'Licensed Premises' or any part thereof, the LICENSEE shall not object and this 'Agreement' shall be attorned to such new purchaser/ transferee/ assignee on the same terms and conditions as contained herein and shall lawfully remain in effect for the remainder of the 'License Term' of this 'Agreement' and accordingly the LICENSEE along with the new purchaser/ transferee/ assignee shall sign a Deed of Attornment/ fresh Leave and License Agreement [for the balance 'License Term'] in respect of the same. The Stamp Duty, Registration Fee and all other charges incidental thereof shall be borne and paid by the LICENSOR and/or such new purchaser/ transferee/ assignee.

12. SUB-LICENSE/ ASSIGNMENT:

12.1. The LICENSEE shall not be entitled to sub-license, sub-conduct, sub-let or give on leave and license basis the 'Licensed Premises' or any portion thereof, to any party or person [or] part with occupation of the 'Licensed Premises' or any part thereof [or] otherwise transfer/ assign the benefits of this 'Agreement' to any party or person, except as expressly permitted herein.

12.2. Furthermore, the LICENSEE shall also not be entitled to, in

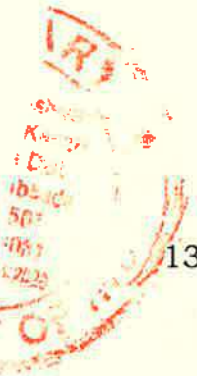


any manner, sell, encumber, assign its temporary rights [or] for a loan create a collateral security of the 'Licensed Premises' under this 'Agreement' to/ for/ with any party and/or person.

- 12.3. The LICENSEE hereby agrees and confirms that it shall intimate the LICENSOR in writing, immediately in case there is any change in the name of the LICENSEE Entity, change in the registered office address, change in the constitution of the LICENSEE Entity, change in the nature of the LICENSEE Entity and change in the 'Said Business' of the LICENSEE Entity.
- 12.4. The LICENSEE further agrees and undertakes that the benefits of this 'Agreement' are assignable or transferable only by way of amalgamation, merger or takeover of the 'said Business' of the LICENSEE with/by any other entity, provided such a change is expressed in a written notice to the LICENSOR and such entity shall not be a competitor and/or shall not have any conflicting business interests as that of the LICENSOR [and/or] shall not be promoted by/ owned by/ managed by any individual/ entity engaged in any unlawful activities or engaged in any activities being anti-national in nature. In such eventuality, wherein the LICENSEE is not the surviving entity, the LICENSEE shall ensure simultaneous execution and registration of new Leave and License Agreement, at the instance of the LICENSOR, with the other entity [*existent post amalgamation or merger or acquisition, not being the LICENSEE herein*] for the remainder of the 'License Term' and on the same terms and conditions as set out in this 'Agreement'. In case the LICENSOR decides to execute and register a fresh Leave and License Agreement, all the costs and expenses pertaining to the execution and registration of the appropriate document(s) and the new Leave and License Agreement shall be borne and paid by the LICENSEE or such other entity [*existent post amalgamation or merger or acquisition, not being the LICENSEE herein*] alone.

13. REPRESENTATIONS, WARRANTIES & COVENANTS:

13.1. LICENSOR'S Representations, Warranties & Covenants:

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- 13.1.1. That the LICENSOR is well and sufficiently entitled to the 'Licensed Premises' and every part thereof and is in exclusive and absolute possession as owner thereof;
- 13.1.2. That the LICENSOR had obtained all required permissions, approvals, sanctions, etc. in respect of area admeasuring 4752.30 square meter out of aforesaid land bearing of Non-agriculture land area admeasuring 6342.00 Square Meter, out of land bearing Consolidated Block/Gut No. 369 having total area admeasuring 03 Hectare 75 Are, assessed at Rs. 05=50 Paisa, lying and situated at village Karanjihire, Taluka Maval, District Pune from the concerned governmental authorities for change of use;
- 13.1.3. That the LICENSOR shall obtained all required permissions, approvals, sanctions, etc. in respect of the Licensed Premises from the concerned governmental authorities for constructing, erecting, developing and setting-up an industrial unit thereon, except Environment Clearance;
- 13.1.4. That the LICENSOR has the right to license the 'Licensed Premises' and has the right to enter into this 'Agreement' in respect of the 'Licensed Premises';
- 13.1.5. That no part of the 'Licensed Premises' is a subject matter of any proceedings and that there are no proceedings or threatened proceedings thereto;
- 13.1.6. That the LICENSOR shall carry out all structural and major repairs in respect of the 'Licensed Premises' occurring for no fault attributable to the LICENSEE, at the LICENSOR'S own cost and expense, in terms of **[Clause 8.3]** above;
- 13.1.7. That the LICENSOR shall comply with and undertakes to comply with the provisions of all applicable laws, orders, ordinances, notifications, rules, legislation and/or other enactments and modifications thereto for the same being in force, whether of the Central/ State Government or Municipal Authorities and/or any other authority




pertaining to the execution and performance of its obligation under this 'Agreement';

- 13.1.8. That the LICENSOR shall, in accordance with the provisions of **[Clause 8]**, allow the LICENSEE to carry out all internal repairs and works within the 'Licensed Premises' as the LICENSEE desires in this regard. However such internal repairs/ works carried out by the LICENSEE shall not in any way adversely affect the peaceful occupation of or cause nuisance to the occupiers of the neighbouring property(ies) and/or land(s);
- 13.1.9. That the LICENSEE shall have unlimited access to the 'Licensed Premises' 24 hours a day, 7 days a week and 365 days a year for the 'said Business', subject to applicable laws and regulations and subject to forceful closure of the 'Licensed Premises', as directed by political parties or local government bodies/ authorities or police and subject to any circumstances not attributable to the LICENSOR.

13.2. LICENSEE'S Representations, Warranties and Covenants:

- 13.2.1. The LICENSEE has carried out an independent search by appointing its own Advocate/ Attorney wherein the LICENSOR has given inspection to the LICENSEE of all the documents related to the rights of the LICENSOR to the 'Licensed Premises' and the LICENSEE has completely satisfied itself about the title of the LICENSOR to the 'Licensed Premises';
- 13.2.2. The LICENSEE shall use the 'Licensed Premises' only for the 'said Business' activities as contemplated herein and for no other purposes, without first obtaining the written approval of the LICENSOR;
- 13.2.3. The LICENSEE shall always observe and perform all the terms, conditions, covenants and provisions on which the 'Licensed Premises' is given on temporary leave and license and shall not do, omit or suffer to be done anything whereby the right of the LICENSOR to the 'Licensed Premises' is violated or forfeited or jeopardised or

extinguished, in any manner;

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- 13.2.4. The LICENSEE shall regularly pay the monthly 'License Fee, 'Maintenance Charges', utility charges and other charges/ taxes within the stipulated due date/ timeline, payable by the LICENSEE under this 'Agreement', without the necessity of any notice or demand from the LICENSOR, subject to any deductions required to be made by law;
- 13.2.5. The LICENSEE shall, from time to time during the subsistence of this 'Agreement', bear and pay any taxes/ levies which may be imposed on the 'License Fee', 'Maintenance Charges' or utility charges, by the Government [*such as Goods and Services Tax [GST], etc.*] relating to this 'Agreement' and shall keep the LICENSOR fully indemnified in respect thereof;
- 13.2.6. The LICENSEE shall regularly pay all electricity charges, water charges, telephone charges, internet charges and other utility charges in respect of the 'Licensed Premises' during the 'License Term', at actual and against demands made by the LICENSOR and/or the concerned authorities and utility providing agencies, as the case maybe;
- 13.2.7. The LICENSOR and/or its/their authorised agents, shall be entitled, to enter the 'Licensed Premises' for the purpose of inspection and major/ structural repairs at any time, with prior written notice of 24 [Twenty Four] Hours, provided the LICENSOR shall endeavour to carry out such inspection and/or repairing activities in such a manner that least obstruction is caused to the operations of the LICENSEE;
- 13.2.8. Upon the expiry or earlier termination of this 'Agreement' and subject to the other provisions herein contained, the LICENSEE shall handover the peaceful and vacant occupation of the 'Licensed Premises' in good and tenable condition to the LICENSOR, subject to normal wear and tear due to weather/ climatic conditions and/or ageing of the 'Licensed Premises', as contemplated in **[Clause 15]** herein;



- 13.2.9. The LICENSEE shall not store any obnoxious, offensive or combustible materials in the 'Licensed Premises', except as may be required in relation to the 'said Business' on and from the 'Licensed Premises';
- 13.2.10. The LICENSEE shall comply with all the fire hazard, safety and security procedures/ regulations in respect of the 'Licensed Premises' and other requirements relating thereto, as may be required by the LICENSOR or the competent authorities;
- 13.2.11. The LICENSEE shall solely be responsible to pay salaries and employment benefits to its personnel, employees, representatives, agents, workers, etc. and to adhere all applicable health, safety and labour norms in relation to its personnel, employees, representatives, agents, workers, etc., including but not limited to requiring and maintaining medical records [*Especially Covid-19 Test/ RT-PCR Test Report/ Vaccination Certificates, in line the applicable and prevailing norms*];
- 13.2.12. The LICENSEE shall not do or permit to be done upon the 'Licensed Premises' anything which becomes or may become a nuisance to the LICENSOR and/or the occupants of the neighbouring premises [or] which may prejudicially affect the rights of the LICENSOR, in any manner whatsoever;
- 13.2.13. Notwithstanding anything herein contained, the LICENSEE hereby expressly agrees and declares that neither any tenancy rights nor any right or interest in the nature of tenancy or sub-tenancy nor any other interest in the 'Licensed Premises' whatsoever, except the permission to use the 'Licensed Premises' on a temporary leave and license basis is intended to be created by this 'Agreement' in favour of the LICENSEE. The LICENSOR hereby declares that the LICENSOR has agreed to enter into this 'Agreement' on the assurances and representations hereby given by the LICENSEE that the LICENSEE or any other person claiming or deemed to claim under it has no




intention of claiming and shall not claim any right to the 'Licensed Premises' other than the permission hereby given to use the 'Licensed Premises' on a temporary leave and license basis and the LICENSEE shall not claim any other right whatsoever. Furthermore, in an event, the LICENSEE becomes entitled to continue the use and occupation of the 'Licensed Premises' against the will of the LICENSOR or if the LICENSOR'S rights, powers and privileges provided hereunder, become incapable of legal recognition or enforcement in their entirety or parts, pursuant to any new legislation or due to any change in legislation *[whether by ordinance or statute and/or rules framed thereunder]* pertaining to or adversely affecting the right(s) of the LICENSOR [and/or] giving more or better rights to the LICENSEE other than as a mere licensee in respect of the 'Licensed Premises', then, this 'Agreement' shall be deemed to have been terminated 01 [One] Day prior to the effective date of such legislation. The LICENSEE agrees and undertakes that the LICENSEE shall neither be entitled to take advantage of such legislation nor make any claim to use or occupy the 'Licensed Premises'. It is hereby also agreed by the LICENSEE that in the event of the LICENSEE making an application, to any court, seeking any purported protection under any statute prevailing as on date of coming into force hereafter, relating to the fixation of standard rent or fee or otherwise making any application to any court seeking protection applicable to a tenant/sub-tenant, it being or having been created in its favour, this 'Agreement' shall stand terminated and determined ipso facto and the LICENSOR shall be entitled to claim the 'Ascertained Debt', in addition to termination of this 'Agreement', notwithstanding any other rights or remedies available to the LICENSOR, at law and/or under this 'Agreement';

- 13.2.14. The LICENSEE shall comply with and undertakes to comply with the provisions of all applicable laws, orders, ordinances, notifications, rules, legislation and/or other



enactments and modifications thereto for the same being in force, whether of the Central/ State Government or Municipal Authorities or any other authority pertaining to the execution and performance of this 'Agreement';

- 13.2.15. The LICENSEE shall obtain and keep valid all administrative and/or operating licenses, authorizations and permissions required for conducting the 'said Business' on and from the 'Licensed Premises', at its own cost and expense and to comply with all laws and regulations relating to the 'said Business', including but not limited to Environment Clearance, Health, Safety, Sanitation & Fire Regulations, Shops and Establishments Act/ Factories Act, Labour Laws/ Codes, etc. and any other statutory provisions, that govern and are applicable to the 'said Business', during the entire 'License Term' of this 'Agreement'. The LICENSEE shall produce and furnish to the LICENSOR certified true copies of all such initial administrative and/or operating licenses, authorizations and permissions, etc. within 90 [Ninety] Days from the 'License Commencement Date'/ 'Handover Date' and shall provide the LICENSOR copies of all such further administrative and/or operating licenses, authorizations and permissions, as may be required and procured by the LICENSEE, from time to time. The LICENSOR shall provide its/their respective No Objection Certificate [NOC], if required as per the applicable laws, for procuring any such administrative and/or operating licenses, authorizations and permissions, upon a request being received from the LICENSEE by the LICENSOR to that effect;
- 13.2.16. The LICENSEE shall maintain the 'Licensed Premises' in good condition, state and order at its own cost and expense, subject to normal wear and tear due to weather/ climatic conditions and/or ageing of the 'Licensed Premises';
- 13.2.17. The LICENSEE shall carry out pest control treatment at regular intervals within the 'Licensed Premises' for keeping



the 'Licensed Premises' free from pests, rodents and/or insects;

- 13.2.18. The LICENSEE shall be liable for all its activities/ 'said Business' related expenses and liabilities such as taxes etc. and any other costs, charges, expenses, duties and levies that may be applicable to the LICENSEE'S activities/ 'said Business' as per the relevant provisions of law for the time being in force and the LICENSOR shall have absolutely no liability whatsoever in this regard;
- 13.2.19. The LICENSEE shall not hold the LICENSOR responsible or liable for any theft and/or loss or damage suffered by the LICENSEE on account of destruction caused to or in the 'Licensed Premises' or to any property brought by the LICENSEE in the 'Licensed Premises'. Furthermore, the LICENSEE shall, at its own cost and expense, be solely liable and responsible to restore any loss, damage and/or destruction caused to or in the 'Licensed Premises' due to any fault/ negligence attributable to the LICENSEE and/or its employees, personnel, agents, contractors, workers, etc. and the LICENSEE undertakes to indemnify the LICENSOR to that effect;
- 13.2.20. The LICENSEE shall, at its own cost, expense and responsibility, be free to deploy security guards/ avail security services as well as avail housekeeping services from a service provider/ agency of its choice. Upon engagement of service provider(s) for deployment of security guards, housekeeping staff and other helpers, the LICENSEE shall duly conduct police verification and procure character certificate *as well as* medical records [*Especially Covid-19 Test/ RT-PCR Test Report/ Vaccination Certificates, in line with the applicable and prevailing norms*] of all such security guards, housekeeping staff and other helpers, at its sole cost and expense, as per factory laws, rules and regulations and local authorities' guidelines;
- 13.2.21. The LICENSEE shall not be entitled to claim and shall not claim protection under the Maharashtra Rent Control Act




or any statutory modification or re-enactment thereof or any law prevailing or any law that may be enacted hereafter and that notwithstanding any change in laws that may be enacted hereafter, the rights and liabilities of the PARTIES shall be governed as set out therein by the provisions hereof, in respect of the 'Licensed Premises';

- 13.2.22. The LICENSEE is duly organized, validly existing and in good standing under the laws of its jurisdiction of formation/ incorporation with all requisite power and authority to enter into this 'Agreement' and to perform its obligations hereunder;
- 13.2.23. This 'Agreement' constitutes a legal, valid and binding obligation on it and is enforceable against it in accordance to the terms herein;
- 13.2.24. The execution and delivery of this 'Agreement' by the LICENSEE and the consummation of the transactions contemplated herein by it does not and will not conflict with or contravene the provisions of its organizational/ constitutional documents [or] any material agreement entered into by it [or] any contract, agreement, instrument or document to which it is a party or by which it or its assets are bound;
- 13.2.25. There are no actions, suits, or proceedings pending or to the knowledge of the LICENSEE, threatened, before any court or governmental agency that question its right to enter into or perform under this 'Agreement';
- 13.2.26. The LICENSEE has received requisite approvals from its Partners, for approving provisions of this 'Agreement' and signing this 'Agreement'.

14. TERMINATION:

- 14.1. The PARTIES agree that after completion of the 'License Term', this 'Agreement' shall automatically stand expired and the LICENSEE shall not be entitled to enter into and use the 'Licensed Premises' thereafter.



14.2. It has been expressly agreed by and between the PARTIES hereto that neither the LICENSOR nor the LICENSEE shall be entitled to revoke/ determine/ terminate this 'Agreement' for and up-to the completion of the 'Lock-in Period', as mentioned in **[Clause 3]**, save and except as mentioned hereunder:

14.2.1. By the LICENSOR:

14.2.1.1. in case the LICENSEE fails to pay the 'License Fee' and/or 'Maintenance Charges' and/or utility charges and/or any other charges/ taxes payable herein for a period of 03 [Three] Consecutive Months; and

14.2.1.2. in case of breach of this 'Agreement' by the LICENSEE.

14.2.2. By the LICENSEE, in case of a breach of this 'Agreement' by the LICENSOR, wherein the LICENSEE is unable to peacefully use and occupy the 'Licensed Premises';


14.2.3. In case of a 'Force Majeure Event' as per the process mentioned in **[Clause 18]** herein.

14.3. In case of **[Clause 14.2.1.1]** herein, the LICENSOR or any person authorized by the LICENSOR shall give the LICENSEE a written notice for rectifying the payment breach committed therein i.e. make good the outstanding 'License Fee' and/or 'Maintenance Charges' together with interest @ **1% [One Percent] Per Month** and/or utility charges or any other charges and taxes payable herein, along with interest and penalties thereof, as the case may be, from the due date until the date of actual payment and if such payment breach committed is not corrected by the LICENSEE within **21 [Twenty One] Days** from the date of receipt of such notice, the LICENSOR shall, in addition to claiming the 'Ascertained Debt' as provided in **[Clause 3]** above, be entitled to not only initiate legal proceedings against the LICENSEE under the applicable laws for recovery of the value thereof but the LICENSOR shall also be entitled to forthwith terminate this



'Agreement', without the want of any further notice to the LICENSEE thereof.

- 14.4. In case of **[Clause 14.2.1.2]** and **[Clause 14.2.2]** herein, the suffering PARTY shall be entitled to terminate this 'Agreement' by giving a **60 [Sixty] Days** advance notice in writing thereof to the defaulting PARTY, provided that if the defaulting PARTY rectifies the breach within the said **60 [Sixty] Days'** period, the notice shall automatically cease to be effective. However, if the defaulting PARTY herein fails to rectify the breach within the said **60 [Sixty] Days'** period, then, without prejudice to all the other rights available to the suffering PARTY against the defaulting PARTY under law and this 'Agreement', this 'Agreement' shall at the sole option of the suffering PARTY stand terminated. Furthermore, in case the defaulting party is the LICENSEE herein, the LICENSOR shall additionally be entitled to receive the 'Ascertained Debt' as provided in **[Clause 3]** above.
- 14.5. Notwithstanding any of the above, as and when this 'Agreement' is terminated and the LICENSEE is in default of any payment of 'License Fee' [and/or] 'Maintenance Charges' [and/or] any other charges and taxes payable herein [and/or] 'Ascertained Debt', then unless the LICENSEE pays all of the above to the LICENSOR thereof, the LICENSOR shall be entitled to claim first lien or charge on the goods, furniture, fixtures, belongings and other assets of the LICENSEE kept in the 'Licensed Premises' and shall have a right to refuse permission to the LICENSEE and/or its personnel/ employees/ representatives/ agents/ workers to enter into the 'Licensed Premises' [and/or] remove/ take back such goods, furniture, fixtures, belongings and other assets of the LICENSEE kept in the 'Licensed Premises'.
- 15. HANDOVER OF 'LICENSED PREMISES':**
- 15.1. The LICENSEE expressly agrees that the LICENSOR shall, upon expiry or earlier termination of this 'Agreement', in any of the circumstances mentioned in the aforesaid **[Clause 14]**, be entitled to immediately resume occupation of the 'Licensed



Premises' and the LICENSEE shall vacate and handover the 'Licensed Premises' in good and tenable condition *[excepting only normal wear and tear due to weather/ climatic conditions and/or ageing of the 'Licensed Premises']*, subject to simultaneous refund of the said 'IFRSD', after adjusting the dues/ deductions, if any payable by the LICENSEE.

- 15.2. It is further clarified that, subject to the terms mentioned herein, at the time of expiration or earlier termination of this 'Agreement', as the case may be, the LICENSEE shall, subject to **[Clause 14.5]** above, stop its operations and remove its personnel, employees and workers as well as all the detachable equipment, belongings, assets, furniture and fittings procured and installed by the LICENSEE, from the 'Licensed Premises', without damaging the structure, walls, ceiling or flooring of the 'Licensed Premises'.
- 15.3. It is clarified that it shall be the obligation of the LICENSEE, to notify any and all government or other concerned authorities/ individuals/ persons regarding de-bonding/ disassociation of the address of the 'Licensed Premises' with the LICENSEE, upon expiry or earlier termination of this 'Agreement'. Such notification of de-bonding/ disassociation of the address of the 'Licensed Premises' shall be completed by the LICENSEE within **10 [Ten] Days** from the expiry or earlier termination of this 'Agreement'.
- 15.4. Notwithstanding anything contained herein, in the event the LICENSEE fails to de-bond/ disassociate and/or handover [and/or] continues to occupy and/or use the 'Licensed Premises' after the expiration and/or earlier termination of this 'Agreement', despite of the LICENSOR being willing to refund the said Interest Free Refundable Security Deposit, subject to deductions as mentioned herein, the LICENSEE shall, in addition to any unpaid dues, be liable to pay to the LICENSOR, **twice** the amount of the last paid 'License Fee' and 'Maintenance Charges' along with applicable utility charges and taxes in relation to the 'Licensed Premises' *[calculated on a daily pro-rata basis]* for every day of delay in



handing over the 'Licensed Premises', as a minimum penalty payable to the LICENSOR, from the date of expiry or earlier termination of this 'Agreement' till de-bonding/ disassociation [as applicable] and/or actual handover of the 'Licensed Premises' to the LICENSOR, whichever is later. Moreover, if the LICENSEE fails to handover and/or continues to occupy and/or use the 'Licensed Premises' [physically or virtually] after the expiration and/or earlier termination of this 'Agreement', despite of the LICENSOR being willing to refund the said Interest Free Refundable Security Deposit, subject to deductions as mentioned herein, the LICENSEE shall be deemed to be a trespasser in the 'Licensed Premises' and the LICENSOR shall be entitled to initiate criminal proceedings and/or any other eviction and/or legal proceedings against the LICENSEE for vacating the 'Licensed Premises' herein and the LICENSEE shall be solely and entirely responsible for the same.

16. INDEMNITY AND DISCLAIMER OF LIABILITY:

16.1. The LICENSEE undertakes to fully, effectually and effectively indemnify and hold the LICENSOR harmless against any and all claims, losses, injuries, liabilities, costs, expenses, damages, actions or proceedings whatsoever which may be made or taken against the LICENSOR by any party/ person or which may be suffered by the LICENSOR:

16.1.1. arising out of any action or non-action of the LICENSEE and/or the employees, staff, security personnel, housekeeping personnel, workers, labour, managers, supervisors, contractors, agents, visitors, customers, clients etc. of the LICENSEE; and/or

16.1.2. arising out of any accident [or] any loss or damage to the 'Licensed Premises' and/or any other surrounding property [or] any bodily injury/ loss of life suffered by any party or person attributable to the LICENSEE; and/or

16.1.3. on account of the LICENSEE failing to peacefully



vacate and handover the 'Licensed Premises' to the LICENSOR on the termination of this license or early determination thereof, as per the provisions of this 'Agreement'; and/or

- 16.1.4. by any reason of the operations and use by the LICENSEE of the 'Licensed Premises' and the various facilities thereof, including the liability arising from fire safety, care, negligence, deficient/ inefficient service, criminal acts, etc. and which is agreed to be the sole responsibility of the LICENSEE; and/or
- 16.1.5. on account of any breach, default, contravention, non-observance or non-performance by the LICENSEE of any of the terms, conditions and provisions contained herein this 'Agreement' [and/or] for non-compliance and/or non-observance and/or contravention/ default/ breach of any of the laws and/or statutory obligations by the LICENSEE and/or its employees, staff, security personnel, housekeeping personnel, workers, labour, managers, supervisors, contractors, agents, visitors, customers, clients, etc. as the case maybe.

16.2. Furthermore, the LICENSEE also agrees that the LICENSOR shall under no circumstances be held liable and the LICENSEE undertakes to indemnify the LICENSOR for and against:

- 16.2.1. Any claims, losses, injuries, liabilities, costs, expenses, damages, attachment, litigation, theft, actions or proceedings, etc. by any reason of the operations and use of the 'Licensed Premises' by the LICENSEE;
- 16.2.2. Any loss, damage, destruction, injury or death of any person or property that may be caused, by the reason of collapsing of any formwork or plaster or slabs, short circuit, fire, explosion, escape of gas, fumes, water leakage or defect of the piping, wiring and sprinkler




system or otherwise, due to any action, inaction, omission or negligence on the part of LICENSEE or any other person(s) *[including visitors]* as may be appointed/ authorized by or representing the LICENSEE, from time to time for carrying out any works in the 'Licensed Premises' or for any other purpose.

17. INSURANCE:

- 17.1. The LICENSOR shall take sufficient insurance cover with respect to the structure comprised within the 'Licensed Premises' and any other furniture, fixtures, fittings, assets, belongings etc. installed or provided by the LICENSOR, within the 'Licensed Premises' and the LICENSOR shall pay the premium in respect of such insurance.
- 17.2. The LICENSEE shall take and maintain such insurance policies against all kinds of risks, acts of God, natural calamities, third party liabilities, etc., including but not limited to comprehensive third party insurance and public liability insurance with respect to all its assets, property, furniture, fixtures, fit-outs and interiors, covering any act or omission by the LICENSEE and/or its employees, staff, security personnel, housekeeping personnel, managers, supervisors, visitors, etc. and the LICENSEE shall pay the premium in respect of such insurance(s), without any break for a period not less than the 'License Term' of this 'Agreement'.
- 17.3. Neither PARTY shall wilfully do or suffer to be done on or in the 'Licensed Premises' anything whereby any insurance effected/ taken by the other PARTY may be rendered void or voidable.

18. FORCE MAJEURE AND DAMAGE DUE TO FORCE MAJEURE:

- 18.1. For the purposes of this 'Agreement', a force majeure event [referred herein to as '**Force Majeure Event**'] shall mean the events or circumstances or combination of events or



circumstances set out below, though not arising on account of any act or negligence or financial difficulty/ inability of either of the PARTIES and such events or circumstances prevent either PARTY from performing any or all of its/their obligations hereunder:

- 18.1.1. All acts of God including earthquake, flood, landslide, storm, hurricane, cyclone, tempest;
- 18.1.2. Acts of terrorism, War and Civil Commotion;
- 18.1.3. National/ State emergency.

18.2. On the occurrence of a 'Force Majeure Event' and in any case within **10 [Ten] Days** of the date of occurrence of a 'Force Majeure Event', the PARTY whose performance is affected [referred to as the '**Affected Party**'] shall notify the other PARTY [referred to as the '**Non-Affected Party**'] of the same, setting out, *inter alia*, the following in detail:

- 18.2.1. The nature and extent of the 'Force Majeure Event';
- 18.2.2. The estimated period for which the 'Force Majeure Event' is expected to continue;
- 18.2.3. The nature of and the extent to which, performance of any of its obligations under this 'Agreement' is/are affected by the 'Force Majeure Event';
- 18.2.4. The measures which the 'Affected Party' has taken or proposes to take to alleviate/ mitigate the impact of the 'Force Majeure Event' and to resume performance of such of its obligations affected thereby; and
- 18.2.5. Any other relevant information concerning the 'Force Majeure Event'.

18.3. If the 'Affected Party' is rendered **wholly** or **partially** unable to perform any of its obligations under this 'Agreement' because of a 'Force Majeure Event', the performance of such obligation shall be suspended only to the extent it is unable to perform the same on account of such 'Force Majeure Event' and will revive immediately upon cessation of the 'Force



Majeure Event', provided that:

- 18.3.1. Due notice of the 'Force Majeure Event' has been given as required by the preceding Sub-Clause;
 - 18.3.2. The excuse from performance shall be of no greater scope and of no longer duration than is necessitated by the 'Force Majeure Event';
 - 18.3.3. The 'Affected Party' has taken all reasonable efforts to avoid, prevent, mitigate and limit damage, if any caused or is likely to be caused as a result of the 'Force Majeure Event';
 - 18.3.4. When the 'Affected Party' is able to resume performance of its obligations under this 'Agreement', it shall give a written notice to the 'Non-Affected Party' to that effect and shall promptly resume performance of its obligations hereunder, the non-issue of such notice being no excuse for any delay for resuming such performance; and
 - 18.3.5. The 'Affected Party' shall continue to perform such of its obligations which are not affected by the 'Force Majeure Event' and which are capable of being performed in accordance with this 'Agreement'.
- 18.4. It is further expressly clarified that if at any time during the 'License Term' of this 'Agreement', the 'Licensed Premises' is destroyed or damaged, owing to a 'Force Majeure Event' or otherwise for no fault attributable to the LICENSEE, then and in that event the LICENSOR shall after obtaining all necessary permissions from the governmental authorities, endeavour to reinstate the 'Licensed Premises' to the same state as it was prior to such destruction/ damage. If in the interim period, the LICENSEE is able to occupy and use a portion of the 'Licensed Premises', the LICENSEE shall promptly pay the proportionate 'License Fee', 'Maintenance Charges' and applicable taxes to the LICENSOR derived at actual, for and in respect of the functional portion of the 'Licensed Premises'.



18.5. In the event it is found impossible to reinstate the 'Licensed Premises' and/or any portion thereof to the original state, the PARTIES shall, jointly and mutually, decide to continue the license or to terminate this 'Agreement', in relation to the 'Licensed Premises'. In an event of the PARTIES deciding to terminate this 'Agreement', the LICENSEE shall only be entitled to a refund of the 'IFRSD' subject to such deductions as may be due and payable by the LICENSEE to the LICENSOR, simultaneously upon the LICENSEE vacating and handing over the occupation of 'Licensed Premises' *[subject to the effects of 'Force Majeure Event']* to the LICENSOR.

19. NO RIGHTS CREATED:

- 19.1. The LICENSEE herein agrees that at all times, the ownership of the 'Licensed Premises' shall always be that of and remain with the LICENSOR alone.
- 19.2. The 'Licensed Premises' is given for use as a manufacturing/ industrial unit in relation to the 'Said Business' of the LICENSEE and for no other purpose and this 'Agreement', in no way, shall mean to grant lease, sub-license, sub-lease, tenancy or sub-tenancy rights in favour of the LICENSEE, except the right to temporarily occupy and use the said 'Licensed Premises' during the subsistence of this 'Agreement', as a mere licensee hereof.
- 19.3. The actual and juridical possession of the said 'Licensed Premises', shall always be with the LICENSOR.

20. STAMP DUTY & REGISTRATION CHARGES, LEGAL FEE AND CUSTODY OF THIS 'AGREEMENT':

- 20.1. The cost of Stamp Duty and Registration Charges and any deficit of stamps and other incidental expenses in connection with execution and registration of this 'Agreement' shall be borne solely and entirely by the LICENSEE herein.
- 20.2. Notwithstanding the above, each PARTY shall bear its own respective charges, costs *[including legal costs]* in relation to the negotiation, preparation and execution of this 'Agreement'



and all other documents pursuant to this 'Agreement'.

20.3. The original registered 'Agreement' shall remain in the possession of the LICENSOR and a certified true copy thereof shall be retained by the LICENSEE.

21. INDEPENDENCE OF THE PARTIES:

Nothing contained herein shall be deemed or construed by the PARTIES or by any third party as creating the relationship of a principal and agent or of a partnership or of a joint venture or of a landlord and tenant, it being understood and agreed that neither any provision contained herein, nor any act of the PARTIES hereto, shall be deemed to create any relationship between the PARTIES hereto other than the relationship of a licensor and licensee. Nothing contained herein gives any right or title to the LICENSEE and causes any lien or charge on the 'Licensed Premises'. Neither PARTY shall be entitled to represent the other PARTY and/or make any commitment on behalf of and/or in the name of the other PARTY, to and/or before any person or public body or authority.

22. MODIFICATION/ VARIATION:

No change, variation or modification of any of the terms and conditions set forth herein shall be valid unless incorporated as an amendment to this 'Agreement' and signed by both the PARTIES and/or its/their duly authorized representatives.

23. WAIVER/ FORBEARANCE:

The PARTIES hereto agree that in the event of there being any delay in or indulgence shown by either of the PARTIES with regard to the enforcement of any of the terms of this 'Agreement', the same shall not be construed as a waiver on the part of the PARTY showing such indulgence or tolerance and any such indulgence or forbearance shall not be deemed to be a waiver of the rights and the PARTIES shall be entitled to enforce such right without prejudice to such indulgence or tolerance shown.

24. SEVERANCE:



In the event that any provision of this 'Agreement' or any of its conditions are declared by any judicial or other competent authority to be void, voidable, illegal or otherwise unenforceable, the PARTIES shall amend that provision in such a reasonable manner as achieving the original intention of the PARTIES without illegality [or] at the discretion of the PARTIES it may be severed from this 'Agreement' and the remaining provisions of this 'Agreement' shall remain in full force and effect unless the PARTIES decide that the effect of such declaration is to defeat the original intention of the PARTIES, in which event the PARTIES shall decide to terminate this 'Agreement'.

25. CONFIDENTIALITY:

- 25.1. Except for the deeds and documents in public domain, the PARTIES hereby agree to use the best efforts to hold the existence of the negotiations between them for the license of the 'Licensed Premises' [Referred to as the '**Negotiations**'] in confidence and shall not at any time disclose or permit the disclosure of the existence or substance of the 'Negotiations' to any person, without, in each case, first obtaining the prior written consent of the other PARTY.
- 25.2. Notwithstanding the foregoing, any PARTY may disclose the existence of the 'Negotiations' to its legal counsel, accountants, engineers and other persons who need to be aware of the existence of the 'Negotiations', without the prior consent of the other PARTY.
- 25.3. Any PARTY may disclose the existence of the 'Negotiations' to the extent that such disclosure is required by law or court order, but in case of this Sub-Clause, the other PARTY must be first provided with a written notice thereof, to the extent legally permissible.

26. CUMULATIVE RIGHTS:

All remedies of either PARTY whether provided herein or conferred by a statute, civil law, common law, custom, trade or usage are cumulative and not alternative. The rights of the



LICENSOR herein provided shall be without prejudice to the rights and remedies available to the LICENSOR under any law and/or equity.

27. NOTICES:


All notices to be served on either of the PARTIES as contemplated by these presents shall be, in writing, in English Language and be deemed to have been duly served if sent to the PARTY, by Registered Post Acknowledgement Due/ Speed Post Acknowledgement Due/ Hand-Delivery **AND** Email [With Delivery Confirmation] at the respective addresses specified below or as may be intimated by the PARTIES to each other:

27.1. The LICENSOR:

Kind Attention : 1] **MRS. SUNANDA RAMDAS KAKADE**
2] **MR. RANJEET RAMDAS KAKADE**
3] **MRS. NIRUPA SUHAS KANITKAR**
4] **MRS. SNEHAL SANJAY SANE**
5] **MESSER'S KOHINOOR RMK LOGISTICS LLP.**
designated Partner/ Authorized Signatory,
MRS. NIRUPA SUHAS KANITKAR
Address : RMK SQUARE, P.O. Vishnupuri, Talegaon Chakan Road, Nutan Maharashtra Engineering And Technical Institute, Talegaon (Station) Dabhade, Taluka Maval, District Pune- 410507
Email ID : nirupakanitkar@gmail.com
Contact No. : +91 9822054013

27.2. The LICENSEE:

Kind Attention : Mr. Suhas Ramchandra Medsinge
Designation : Partner of M/S Life Secure Enterprises.



Address : Plot No. 394, Bhagat Prestige,
Yashwantnagar, Near
Balaji Temple, Talegaon Dabhade
(Station), Taluka Maval,
District Pune -410507

Email ID : lifesecure.mail@gmail.com

Contact No. : +91 9921339544

27.3. A physical copy of any notice to be served on the LICENSEE may also be delivered to the manager/ supervisor of the LICENSEE at the 'Licensed Premises'.

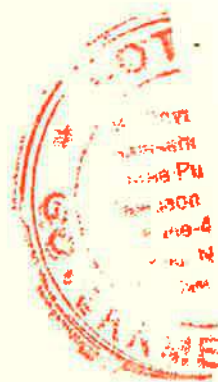
27.4. Any PARTY may, from time to time, change its address for receipt of notices provided for in this 'Agreement' by giving a written notice to the other PARTY within **15 [Fifteen] Days** of such change thereof and till such written intimation is received by the other PARTY, any notice/ communication transmitted at the last known address shall be valid and good service.

28. GOVERNING LAW AND JURISDICTION:

This 'Agreement' shall be governed by the laws of INDIA. If any dispute arises between the PARTIES in connection with the validity, interpretation, implementation or alleged breach of any provisions of this 'Agreement' or regarding any question, including the question as to whether the termination of this 'Agreement' by any PARTY hereto is legitimate, the PARTIES hereto shall endeavour to settle the dispute amicably, failing which, the competent courts comprised within Tehsil/Taluka Khed, District Pune only shall have exclusive jurisdiction to try and decide any such dispute thereof.

29. ENTIRE AGREEMENT:

This 'Agreement' together with its Schedule(s) and Annexure(s) constitutes the entire agreement between the PARTIES herein with respect to the subject matter hereof and shall supersede all other prior documents including letters of intent, term sheets, agreements, understandings, assurances,



either written or oral, existing or proposed, between the PARTIES related to the subject matter hereof.

SCHEDULE - I

[hereinabove referred to as the '**Larger Land**']

All that piece and parcel of Non-Agriculture land area admeasuring **04 Hectare 36.17 Are** i.e., 43,617 Square Meter out of land bearing Consolidated Block/Gut No. 356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404 +405 +406 +407 +408 lying and situated at village **KARANJVHIRE**, Taluka Khed, District Pune, within the limits of PMRDA and local limits of Gram Panchayat Karanjvihire, Panchayat Samiti Khed and Zilla Parishad Pune and within the registration District Pune and Sub-District Taluka Khed.

SCHEDULE - II

[hereinabove referred to as the '**Licensed Premises**']

All that piece and parcel of **Industrial Shed** having approximate **built-up area admeasuring 557.41 square meter** i.e., 6000 square feet, and **Office** having approximate **built-up area admeasuring 139.35 square meter** i.e., 1500 square feet, **total built-up area admeasuring 696.76 square meter** i.e., 7500 square feet; to be constructed on Proposed **Industrial Plot No. 05** having area admeasuring **4752.30 Square Meter** out of the said Larger Land is bounded as follows:

- | | |
|--------------------------|---|
| On or towards the East : | By Proposed Plot No. 4 out of Larger Land; |
| On or towards the South: | By land bearing Consolidated Block/Gut No. 368; |





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On or towards the West : By Amenity Space out of Larger Land;

On or towards the North: By internal 12M wide road out of Larger Land.

IN WITNESS WHEREOF, the PARTIES hereto have set and subscribed their respective hands and seals this day and year first hereinafter mentioned.




THE LICENSOR				
Sr. No.	Name	Photo	Thumb	Sign
1]	MRS. SUNANDA RAMDAS KAKADE			<i>SR Kakade</i>
2]	MR. RANJEET RAMDAS KAKADE			<i>R R Kakade</i>

Ram

NOTARY
 GOVERNMENT OF INDIA
 Mr. Dnyaneshwar B. Kedar
 Advocate & Notary
 3, Balkrushna Apartment Hospital,
 Colony Talegaon Station, Talegaon, Pune-410204










Noted & Registered Book No-32
 At Serial Number... 101 / 2024
 On... 18/01/2024

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BEFORE ME

 Mr. Dnyaneshwar B. Kedar
 ADVOCATE & NOTARY
 GOVERNMENT OF INDIA
 3, Balkrushna Apartment Hospital,
 Colony Talegaon Station, Talegaon, Pune-410204

8 JAN 2024



















THE LICENSOR				
Sr. No.	Name	Photo	Thumb	Sign
3]	MRS. NIRUPA SUHAS KANITKAR			
4]	MRS. SNEHAL SANJAY SANE			
5]	MESSER'S KOHINOOR RMK LOGISTICS LLP. designated Partner/ Authorized Signatory, MRS. NIRUPA SUHAS KANITKAR			

WITNESSES:1) 

Name: Mrs. Chitra Gangesh Acharya

Address: 36B, Laami bag Colony,
Palegaon Dabhade: 410506

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THE LICENSEE				
Sr. No.	Name	Photo	Thumb	Sign
	M/S LIFE SECURE ENTERPRISES, represented by its Authorized Partner			
1]	MR. SUHAS RAMCHANDRA MEDSINGE			
2]	MR. MUJIB AMINUDDIN PATEL			
				
3]	MRS. NIVEDITA SAMBHAJI JADHAV			
				
4]	MR. SAMBHAJI KALLAPPA JADHAV			
				

WITNESSES:

2] *Akansure*
 Name: Mrs. Akshita Pankoj Kansure
 Address: Yashwant Nayar, Talegaon Dabhade,
 Pune - 410507.





ANNEXURE-A

[Handover Conditions]

LOCATION : **PROPOSED INDUSTRIAL PLOT NO. 05** out of Non-Agriculture land area admeasuring **04 Hectare 36.17 Are** i.e., 43,617 Square Meter out of land bearing Consolidated Block/Gut No. **356(part) +366(part) +369(part) +370(part) +372(part) +402 +403 +404 +405 +406 +407 +408.**

VILLAGE : KARANJVHIRE, TALUKA KHED, DISTRICT PUNE.

CONSTRUCTED AREA :

SR. NO	PARTICULARS	AREA-SQM	AREA-SQFT
1.	Shed Area	557.41	6000.00
2.	Office Area	139.35	1500.00
TOTAL [Built-up/ Constructed Area]		696.76	7500.00
Open to Sky Area (Open Space)		4055.54	43653.76

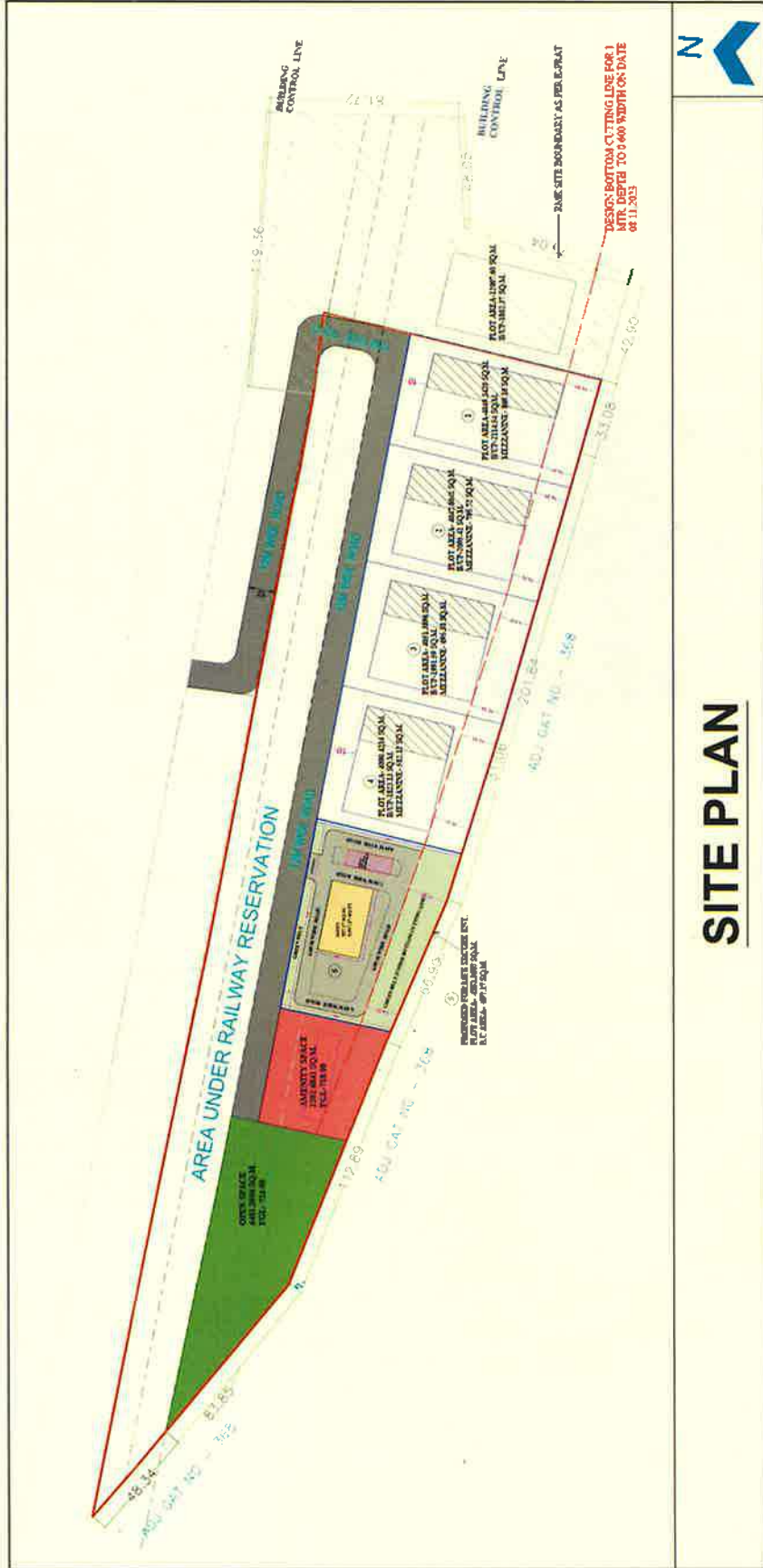
PURPOSE : Collection, Transportation, Storage, Treatment and Disposal Facility of Common Bio Medical Waste (CBMWTSDF) and other allied pursuit

FLOOR : FM2

OTHER DETAILS : M.S. Main Gate

OPEN AREA : 4752.30.54 SQ.M.

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SR Kakade

<p>भारत सरकार Government of India</p>  <p>सुनंदा रामदास काकडे Sunanda Ramdas Kakade जन्म तारीख/DOB: 03/10/1967 पहिली/ FEMALE</p> <p>Issue Date: 23/02/2013</p> <p>2970 1322 0724 VID : 9107 3168 9085 6135</p> <p>माझे आधार, माझी ओळख</p>	<p>भारतीय विशिष्ट ओळख प्राधिकरण Unique Identification Authority of India</p>  <p>पता: मार्फत: रामदास काकडे, आंबी, एम.आई.सी.बी.रोड, द हेरिटेज स्कूल जवळ, आंबी, पुणे, महाराष्ट्र - 410507</p> <p>Address: C/O: Ramdas Kakade, AMBI, M.I.D.C. ROAD, NEAR HERITAGE SCHOOL, Ambli, Pune, Maharashtra - 410507</p> <p>Download Date: 18/10/2012</p> <p>2970 1322 0724 VID : 9107 3168 9085 6135</p> <p>1947 help@uidai.gov.in www.uidai.gov.in</p>
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<p>आयकर विभाग INCOME TAX DEPARTMENT</p>  <p>संपर्क क्रमांक/Contact Number Card AS.0907987</p> <p>नाम/Name RANJEET RAMDAS KAKADE</p> <p>पिता/माता / Father's Name GANESHAN GAJANAN KAKADE</p> <p>जन्म तारीख / DOB: 03/10/1967</p>	<p>आयकर विभाग INCOME TAX DEPARTMENT</p> <p>RANJEET RAMDAS KAKADE RAMDAS MAHADEV KAKADE</p> <p>पिन कोड/ PIN CODE: 410507</p> <p>संपर्क क्रमांक/Permanent Account Number AXUPK0763D</p> <p>हस्ताक्षर/Signature</p> 
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<p>भारत सरकार Government of India</p>  <p>रंजित रामदास काकडे Ranjeet Ramdas Kakade जन्म तारीख/DOB: 03/10/1967 पुरुष/ MALE</p> <p>Issue Date: 11/09/2013</p> <p>709 4678 2629 VID : 9138 9206 2820 6679</p> <p>माझे आधार, माझी ओळख</p>	<p>भारतीय विशिष्ट ओळख प्राधिकरण Unique Identification Authority of India</p>  <p>पता: प्लॉट नं. 27, इंदरायणी कॉलेज समोर, इंदरायणी कॉलेजी, तेलगाव दाबहाडे, तेलगाव दाबहाडे, पुणे, महाराष्ट्र - 410507</p> <p>Address: Plot no.27, opp Indrayani college, Indrayani colony, telagaon dabhadade, Telagaon Dabhadade (R), Pune, Maharashtra - 410507</p> <p>Download Date: 18/10/2012</p> <p>709 4678 2629 VID : 9138 9206 2820 6679</p> <p>1947 help@uidai.gov.in www.uidai.gov.in</p>
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<p>भारत सरकार GOVERNMENT OF INDIA</p>  <p>शेहल संजय साने Snehal Sanjay Sane जन्म वर्ष / Year of Birth: 1966 स्त्री / Female</p> <p>7726 6424 4543</p> <p>आधार - सामान्य माणसाचा अधिकार</p>	<p>भारतीय विशिष्ट ओळख प्राधिकरण UNIQUE IDENTIFICATION AUTHORITY OF INDIA</p>  <p>पता W/O संजय साने, पैसा फंड वाचकारघान्या जवळ, ७१, मुजप, स्वराज नगरी, तेलगाव दाबहाडे, पुणे, महाराष्ट्र, 410507</p> <p>Address: W/O Sanjay Sane, near paisa fund glass work, 71, sujay, swaraj nagar, Telagaon Dabhadade (R), Vishnupuri, Pune, Maharashtra, 410507</p> <p>1947 help@uidai.gov.in www.uidai.gov.in P.O. Box No. 1947, Bangalore-560 801</p>
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आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

SNEHAL SANJAY SANE
SHRINIVAS ANANT CHITKO
12/12/1966

Permanent Account Number
ADPPS8434E

Signature



आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

स्थायी लेखा संख्या कार्ड
Permanent Account Number Card

AAZPK8355K

नाम/ Name
NIRUPA SUHAS KANITKAR

पिता का नाम/ Father's Name
PADMAKAR RAMCHANDRA KIBE

जन्म की तारीख/ Date of Birth
30/09/1966

Signature



भारत सरकार
Government of India

पिरुपा सुहास कानितकर
Nirupa Suhas Kanitkar
जन्म तारीख/DOB: 30/09/1966
लिंग/ GENDER: FEMALE

UID: 7416 2226 0054
VID: 9136 9329 2391 0856

माझे आधार, माझी ओळख

भारतीय विशिष्ट ओळख प्राधिकरण
Unique Identification Authority of India

पत्ता:
पुणे पौल्ट्री प्रोडक्ट्स, मु-मामुर्डी, - तालुका- देहुरोड, पुणे, महाराष्ट्र - 412101

Address:
POONA POULTRY PRODUCTS, MU- MAMURDI, TALUKA- HAVELI, JILHA- PUNE, dehurad, Pune, Maharashtra - 412101

UID: 7416 2226 0054
VID: 9136 9329 2391 0856

1947 | help@uidai.gov.in | www.uidai.gov.in

आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

स्थायी लेखा संख्या कार्ड
Permanent Account Number Card

AAXFK2240F

नाम/ Name
ROHNGOR RMK LOGISTICS

पिता का नाम/ Date of Issue/Issued For
19/03/2021

For Supplier

आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

LIFE SECURE ENTERPRISES

20/10/2001

Permanent Account Number
AADFL2805F

भारत सरकार
Government of India

सुहास रामचंद्र मेडसिंगे
Suhas Ramchandra Medsinge
जन्म तारीख/ DOB: 06/08/1983
पुरुष / MALE

UID: 3164 1843 7971

माझे आधार, माझी ओळख

भारतीय विशिष्ट ओळख प्राधिकरण
Unique Identification Authority of India

पत्ता:
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आयकर विभाग
INCOME TAX DEPARTMENT
SUHAS R MEDASINGE
RAMACHANDRA NARSU MEDASINGE
06/08/1983
Permanent Account Number
AXUPM2665G
Signature

भारत सरकार
GOVT. OF INDIA

आयकर विभाग
INCOME TAX DEPARTMENT
PATEL MUJIB AMINUDDIN
AMINUDDIN MOHIDDIN PATEL
22/05/1973
Permanent Account Number
APTPP1601N
Signature

भारत सरकार
GOVT. OF INDIA

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भारत सरकार
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S/O अमीन उद्दीन, 8-7 खडकी पोस्टल कॉलनी, मुंबई पुरे रोड,
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7932 1023 0918
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Handwritten signature

भारत सरकार
Government of India
निवेदिता संभाजी जधव
Nivedita Sambhaj Jadhav
जन्म तारीख/DOB: 21/05/1975
महिला/ FEMALE
6760 8568 1910
माझे आधार, माझी ओळख

आयकर विभाग
INCOME TAX DEPARTMENT
NIVEDITA SAMBHAJI JADHAV
RAGHUNATH BHIVA HAJARE
22/05/1975
Permanent Account Number
AUJPJ4824E
Signature

भारत सरकार
GOVT. OF INDIA

भारत सरकार
Government of India
संभाजी कल्लप्पा जधव
Sambhaj Kallappa Jadhav
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पुरुष/ MALE
6016 2445 6723
VID : 9102 7258 3803 4085
माझे आधार, माझी ओळख

भारतीय चिन्हित्त ओळख प्राधिकरण
Unique Identification Authority of India
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Kolhapur, Sadoli Khalasa, Kolhapur,
Maharashtra - 416001
6016 2445 6723
VID : 9102 7258 3803 4085

Handwritten signature

आयकर विभाग
INCOME TAX DEPARTMENT
SAMBHAJI KALLAPPA JADHAV
KALLAPPA GUNDU JADHAV
21/01/1972
Permanent Account Number
AELPJ6772P
Signature

भारत सरकार
GOVT. OF INDIA

KOHINOOR RMK LOGISTICS LLP

LLPIN: AAW - 3935

Regd. Office: Ground Floor, CTS No - 2992/1, Near Nutan College, Talegaon Dabhade, Mawal 410507
Mail ID: badhalekakade@rmkinfrastructure.com

=====

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED AT THE MEETING OF DESIGNATED PARTNERS OF KOHINOOR RMK LOGISTICS LLP HELD ON MONDAY THE 27TH DAY OF NOVEMBER, 2023 AT 10.00 AM AT THE REGISTERED OFFICE OF THE LLP SITUATED AT GROUND FLOOR, CTS NO - 2992/1, NEAR NUTAN COLLEGE, TALEGAON DABHADE, MAWAL MAHARASHTRA 410507.

Authority to sign and register the Leave & License Agreement of the Land and Industrial shed thereon at Gat no. 369 Karanjihire, Tal. Khed in the name of LLP to Life Secure Enterprises a partnership firm having PAN: AADFL2605F :

Mrs. Sunanda Ramdas Kakade Informed the partners that we need to give the land with industrial structure thereon owned by LLP at Gat number 369 Karanjihire, Taluka Khed, District Pune; on Leave & License to M/S Life Secure Enterprises a partnership firm having PAN: AADFL2605F. She suggested that Mrs. Nirupa Kanitkar may be authorized to sign the documents on behalf of the LLP. After due discussions following resolution is passed.

"RESOLVED THAT the consent of the Designated Partners is hereby accorded to authorise Mrs. Nirupa Suhas Kanitkar to sign and register the Leave & License Agreement of land and industrial shed thereon on behalf of LLP to M/S Life Secure Enterprises a partnership firm having PAN: AADFL2605F and to do any other act or deeds to complete the transaction.

RESOLVED FURTHER THAT a copy of this resolution be given to the Registering authority, as may be required under the seal and signature of any of the designated partners of the company."

Certified true copy

For Kohinoor RMK Logistics LLP

SR kakade
Sunanda Ramdas Kakade
Designated Partner
DIN: 02951406

R. R. 00100
Ranjeet Ramdas Kakade
Designated Partner
DIN: 02266597

Place: Pune

Date: 27th November, 2023.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781
Fax: 24024068/24023515
Website: <http://mpcb.gov.in>
Email: psob@mpcb.gov.in



Kalpataru Point, 2nd, 3rd
and 4th floor, Opp. Cine
Planet Cinema, Near Sion
Circle, Sion (E),
Mumbai-400022

RED/S.S.I
No:- Format1.0/PSO/UAN No.0000190241/CE/2404001582

Date: 22/04/2024

To
Life Secure Enterprises,
Industrial plot no. 05,
Gut No- 356(part),366(part),
369(part), 370(part), 372 (part) ,
402, 403 ,404 ,405,406,407,408,
At Post- Karanjvihire, Tal:- Khed, Dist:- Pune 410501,
Email:lifeseure.mail@gmail.com
Contact No.:9921339544

(Operator and Owner of
facility)

Grant consent to Establish under the provisions of Water (P & CP) Act, 1974, Air (P & CP) Act, 1981 and Bio-Medical Waste Management Rules, 2016 as amended and Hazardous Waste (M & TM) Rules, 2016.

- Ref:**
1. Your application for Combine Consent and Bio-Medical Waste Authorization dated 11/12/2023
 2. Scrutiny letter issued by SRO Pune-II dated 19/12/2023
 3. Information uploaded on 20/12/2023, 06/01/2024, 11/01/2024 & 12/01/2024
 4. SCN for refusal dated 01/02/2024
 5. Information uploaded on 14/03/2024 & 10/04/2024
 6. Site inspection report in Annexure-IV as per CPCB revised guidelines for CBWTF dated 21/12/2016 uploaded on 18/04/2024
 7. Affidavit uploaded on 22/04/2024
 8. Notarized Leave and License Agreement uploaded on 22/04/2024

After examining the proposal, The Maharashtra Pollution Control Board hereby grant consent to Establish to CBMWTSDF under Section 25 of the Water (P&CP) Act, 1974, Section 21 of the Air (P&CP) Act, 1981 and Bio-Medical Waste Management Rules, 2016, and Hazardous Wastes (Management & Transboundary Movement) Rules, 2016 respectively, under Environment (Protection) Act, 1986, subject to terms and conditions as specified below and in the **Schedule(I-IV) and Annexure (I-IV)** enclosed in this order.

1. Commissioning of unit or 5 years whichever is earlier
2. Proposed capital investment of the Plant is ₹574.00 Lakhs
3. Plant Area: - Plot Area 4752.30 M² with Built-up area 696.76 M².

4. The Jurisdiction allocated for waste collection: A) Taluka Maval- Talegon Dhabade, Kamshet, Lonavala, Vadgaon . B) Taluka Khed- Rajgurunagar, Chakan, Khed, Manchar, Mahalunge . C) Taluka Junnar- Narayangaon, Junnar, Otur, Alephata. D) Taluka Khalapur- Khopoli . E) Taluka Haveli- Lohagaon, Kirkitwadi, Khadkwasla, Dhyari, Warje Malwadi, Undri, Yewalewadil, Dehugaon . F) Taluka Mulshi- Hinjewadi, Pirangut, Narhe, Lavale, Susgaon, Maharunje, Nandedgaon, Ambegaon, Balewadi, Bavdhan, Bhugaon . G) Taluka ShirurShirur,Ranjangaon Ganpati, Sanaswadi, Lonikand, Shikrapur. H) Dehuroad Cantonment Board.

5. Conditions under the Water (P&CP) Act, 1974:-

1. Quantity of total water consumption shall not exceed 57 M³/day. You shall not use the ground water without obtaining prior permission of Central Ground Water Authority.
2. You shall provide adequate treatment & disposal facility for Sewage & Effluent generated as specified in **Annexure-I**
3. You shall provide water meter at water intake point & at sewage/Effluent disposal point and shall maintain monthly records thereof.

6. Conditions under the Air (P&CP) Act,1981:-

1. You shall use the fuel for DG set and incinerator and provide the adequate air pollution control devices as specified to maintain the emissions from the stack attached to the incinerator and DG Set as specified in the **Annexure-II**.
2. You shall provide adequate emission control system to DG set and incinerator as specified in **Annexure-II**.
3. You shall strictly observe noise standards applicable for DG set stack emission and ambient noise level as per **Annexure-II**.

7. Conditions under Hazardous and Other Wastes(Management, Handling & Transboundary Movement) Rules, 2016 for treatment and disposal of hazardous waste:-

You shall have valid membership of CHWTSDF and shall dispose the Hazardous waste generated in strict compliance with said rules and maintain record thereof.

<i>Sr No</i>	<i>Type of Waste</i>	<i>HW Category no.</i>	<i>Quantity</i>	<i>UOM</i>	<i>Disposal</i>
1	35.3 Chemical sludge from waste water treatment	35.3	5	MT/A	CHWSDF Ranjangaon
2	37.2 Ash from incinerator and flue gas cleaning residue	37.2	100	MT/A	CHWSDF Ranjangaon

8. Conditions under BMW Management rules 2016:-

You shall operate Treatment plant as below and shall comply with the operational conditions mentioned at Schedule-I.

Sr No	Treatment Technology	Installed Capacity	Operational Capacity/Day	Compliance of Standards
1	Incinerator	250 Kg/Hr	5000 Kg/Day	As per Annexure II
2	Autoclave	1200 Ltr/Cycle	19200 Lit/Day	As per Annexure-III
3	Shredder	120 Kg/Hr	2400 Kg/Day	

Responsibility of M/S. Life Secure Enterprises (Operator and Owner of facility) :

- I. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
- II. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- III. You shall establish Common BMW Treatment Facility and operate in compliance and strictly abide with the condition stipulated in Schedule- I, II, III, IV, & V of Bio-Medical Waste Management Rules, 2016 as amended and CPCB guidelines.
- IV. You shall obtain membership of CHWTSDf for disposal of incineration ash and ETP sludge.
- V. You shall provide Personal Protective Equipment as per norms of Factory Act,1948.
- VI. You shall provide dedicated BMW transport vehicles complying with BMW Rules 2016 and Transport department guidelines for collection, transportation, and disposal of BMW.
- VII. You shall ensure that fugitive emission from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- VIII. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or additional thereto.
- IX. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- X. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
- XI. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.
- XII. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management Rules,2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year in Form-IV by 30th June of every year

- XIII. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- XIV. You shall give advance information to the Board about addition, termination or change of Facility Infrastructure and Operator and shall get Common Consent and Authorization (CCA) amended prior the commencement of operation.
9. You shall use only dedicated vehicles as detailed in Annexure-IV for collection and transportation of Bio-Medical waste within allocated Jurisdiction. Vehicles Authorized for BMW Collection shall strictly comply with this BMW Rules 2016 and CPCB/MPCB guidelines and Motor Vehicles act, 1988 (59 of 1988).
 10. You shall collect the BMW Strictly complying with the Provisions of Schedule-I and Treatment & Disposal as specified in Schedule-I of BMW Rules,2016 as amended.
 11. You shall not collect outdated, discarded, unused cytotoxic drugs/waste generated in the Cancer research centers and health care establishments unless they are specifically marked with the symbol of Bio Hazard & Cytotoxic Hazard.
 12. You shall collect and dispose-off the Mercury Waste from HCE as per guidelines published by CPCB as detailed in document entitled "Environmentally Sound Management of Mercury Waste in Health Care Facilities" (www.cpcb.nic.in).
 13. You shall not undertake Modifications/ Upgradation in existing facility without obtaining prior Environment Clearance under the Provision of EIA notification, 2006 and Consent to Establish from the MPC Board.
 14. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by you shall constitute a breach of this authorization.
 15. This Board reserves the right to review, amend, suspend, revoke, or change any of the conditions applicable under this CCA and the same shall be binding upon you.
 16. You shall maintain records of MPC board Officers visit and shall obey all the lawful instructions issued by the Board Officers from time to time.
 17. Any violation of provisions of BMW Management Rules, 2016 as amended shall attract the penal provisions of Environment (Protection) Act, 1986 and Violations under the provisions of Water (P&CP) Act 1974, Air (P&CP) Act 1981 shall attract provisions of respective act including closure of the facility and prosecution.
 18. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
 19. Any Violation of provisions of authorization shall attract penal provision of applicable Rules under Water (P & CP)Act 1974, Air(P & CP)1981, and Environment (Protection) Act,1986.
 20. You shall not operate the facility till obtaining the 1st Consent to Operate from the Board.
 21. You shall obtain necessary permissions for land use and Environment clearance from the Competent Authority and the BG of Rs.5.00 Lakh is imposed towards not to take effective steps without obtaining necessary permissions for land use and Environment clearance
 22. You shall submit compliance of Bank Guarantee condition every six months to Regional Office, Pune for verification purpose.

23. You shall submit a BG of Rs. 9.25 lakh as specified in Schedule III to the Regional Officer, MPCB, Pune within 15 days. Nonsubmission of BG in a specified time shall attract 12% interest on BG amount as per Board Circular dated 29/02/2024.
24. This CCA has been issued for relocating the current facility with expansion, without addition of area in existing jurisdiction.
25. This consent is issued pursuant to the Notarized leave and license agreement dated 18/01/2024 and as per the document, the location of the facility is "proposed industrial plot no. 05 out of Non- Agriculture land area admeasuring 04 Hectare 36.17 Are i.e. -43,617 Square Meter out of land bearing Consolidated Block/Gut No_ 356(part) +366(part) +369(part) +370(part), +372 (part) +402 +403 +404 +405+406 1407 +408 village: karanjvihire, taluka khed, district pune"
26. This CCA is granted based on the information and documents submitted by the applicant. If it is subsequently discovered that any submitted information is false, misleading, or fraudulent, the CCA may be revoked immediately.
27. Any violation of Bio medical Waste Management Rules,2016, CPCB guidelines and CCA conditions shall attract revocation of thios CCA without further notice.

Received Consent/Authorization fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	25000.00	TXN2312001784	11/12/2023	Online Payment
2	17500.00	TXN2312001785	11/12/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune II
 - Regional Officer, MPCB, Pune directed to ensure the submission of fresh Bank Guarantee by CBWTF as specified in Schedule III of CCA within 15 days. If failed imposed interest as per board circular dated 29/02/2024 .
 - Sub Regional Officer, Pune-II directed to ensure the compliance of the CCA conditions.
2. Cheif Accounts Officer, MPCB,Sion, Mumbai
3. I/C EIC- for record & website updating purpose.

Conditions under Water (P & CP), 1974 Act: (Refer Condition No. 5)

A. Water Consumption Details:-

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	50.00
2.	Domestic purpose	2.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	5.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Other such as agriculture, gardening, etc.	0.00

B. Conditions for Sewage & Effluent Generation, Treatment and Disposal:-

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1	Domestic Sewage	1	As per clause 'C'	100% Recycle
2	Trade effluent	15	As per clause 'C'	100% Recycle

C. You shall operate the combined waste water treatment plant of adequate design and capacity to treat the domestic sewage and trade effluent so as to achieve the following standards as prescribed below under E (P) Act, 1986 and Rules made there under and recycle treated effluent after achieving standard prescribed below.

Sr. No.	Parameters	Discharge Standards applicable
		Limiting Concentration in mg/except for pH
1	pH	6.5-9.0
2	Oil & Grease	10
3	BOD (3 days 27°C)	30
4	COD	250
5	Total Suspended Solids	100
6	Bio-Assay Test	90 % survival of fish after 96 hours in 100 % effluent

- D. You shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- E. You shall provide Primary/ Secondary/ tertiary treatment system and disinfection facility.
- F. The Applicant shall obtain prior consent of the Board to take steps for Expansion/Modification of any treatment and disposal system or an extension or addition thereto.
- G. You shall provide Specific Water Pollution control system as per above conditions and conditions of Environmental Clearance, if applicable.

Terms & conditions for Incinerator(s) and D.G. Set(s) under Air (P & CP) Act, 1981 and Bio Medical waste management Rule, 2016: (Refer Condition No.6)

1. You shall observe following fuel pattern and erect following stack (s):

Sr. No.	Stack Attached to	Fuel Type	Quantity	Stack Height (Mtr)
1	Incinerator (250 Kg/Hr)	HSD	10.00 Ltr/Hr	30.00
2	DG Set (160 KVA)	HSD	30.00 Ltr/Hr	3.00

2. You shall provide following Air pollution Control Devices (APCD) as stated at "C" below and shall observe the following operating conditions and emission standards:

a. Operating Standards:-

i. Combustion efficiency (CE) shall be at least 99.00%.

ii. The Combustion efficiency is computed as follows;

$$\text{C.E.} = \frac{\% \text{ CO}_2}{\% \text{ CO}_2 + \% \text{ CO}} \times 100$$

iii. The temperature of the primary chamber shall be minimum 800°C, and of the secondary chamber shall be minimum 1050 ± 50°C.

iv. The secondary chamber gas residence time shall be at least 2 (Two) seconds at 1050 ± 50°C.

b. Emission Standards:-

Sr.No.	Parameters	Limiting Concentration in mg/Nm3 unless stated
1	Particulate matter	50
2	Nitrogen Oxides	400
3	HCL	50
4	Total Dioxin & Furans	0.1 ngTEQ/Nm3 (at 11% O2)
5	Hg & It's Compounds	0.05

c. Essential Components of Incinerator to Meet emission standards of BMW Management Rules 2016:-

i. Secondary chamber-2 No.s (for 2 second residence time)

ii. Individual burner for primary & secondary chamber.

iii. Venturi scrubber having min. 600mm WC pressure drop with Recirculation pump and recirculation Tank.

iv. Activated carbon dosing for Dioxin removal.

v. ID fan having 900-1000 mm WC pressure drop.

- vi. Packed bed for scrubbing for gaseous pollutants with recirculation pump and recirculation tank.
- vii. Minimum stack height shall be 30 meters above the ground and shall be attached with the necessary monitoring facilities as per requirement of monitoring of general parameters as notified under the E (P) Act, 1986 and in accordance with the CPCB Guidelines of Emission Regulation Part-III.
- viii. Online OCEMS and Temperature recording for primary and secondary chamber with data logger and connectivity to MPCB and CPCB server.

d. General Requirements:-

- i. Volatile Organic Compounds in the incineration ash shall not be more than 0.01%.
- ii. The Operator shall provide ports in the chimney and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's staff. The chimneys shall be numbered as S-1, S-2 etc and these shall be painted / displayed to facilitate identification.
- iii. The operator shall monitor the stack gaseous emissions (under optimum capacity of the incinerator) of above mentioned parameters at least quarterly from the laboratory recognized under the Environment (Protection) Act, 1986 & NABL accredited and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring should be done once in a year.

Note:-

- i. Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
- ii. Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.
- iii. You shall install continuous emission monitoring system for the parameters as stipulated by Central Pollution Control Board for CO₂, CO and O₂.
- iv. All monitored values shall be corrected to 11% Oxygen on dry basis.
- v. Incinerators (combustion chambers) shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon content in the bottom ashes less than 3% or their loss on ignition shall be less than 5% of the dry weight.
- vi. The occupier or operator of a common bio-medical waste incinerator shall use combustion gas analyzer to measure CO₂, CO and O₂.

3. Conditions for D.G. Set:-

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically for control of noise.
- b. Acoustic enclosure/acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB(A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.

- c. You shall make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f. D.G. Set shall be operated only in case of power failure.
 - g. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h. The applicant shall comply with the notification of MoEFCC dated 17.05.2002 regarding noise limit for generator sets run with diesel.
 - i. Provide one stack of height above roof level.
4. You shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.



**Standards for Treatment and Disposal of “RED” Category (Autoclavable) Bio-Medical Waste
Standards for Waste Autoclave:**

The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste.

1. When operating a vacuum autoclave, medical waste shall be subjected to a minimum of three pre-vacuum pulse to purge the autoclave of all air. The waste shall be subjected to the following.
 - i. A temperature of not less than 135° C and a pressure of 31 psi for an autoclave residence time of not less than 30 minutes.
2. Medical waste shall not be considered properly treated unless the time, temperature and pressure indicators indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.
3. Recording of operational parameters: - Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle.
4. Validation test: Spore Test: - The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be Geobacillus stearothermophilus spores using vials or spore strips, with at least 1×10^6 spores per milliliter. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, a temperature less than 121° C or a pressure, less than 15 psi. Test should be conducted at least once in every week & record in this regard shall be maintained.
5. Routine Test: A chemical indicator strip/tape that changes color when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different location to ensure that the inner content of the package has been adequately autoclaved. Test should be conducted during autoclaving of each batch & record in this regard shall be maintained.

BMW Collection and Transportation

1. You shall use following dedicated, GPS enabled vehicles having separate compartments for storage as per colour coding, for collection & transportation of BMW. You shall provide login details of Vehicle Tracking system to the respective SRO, MPCB. Vehicle tracking data shall be stored in archive data for minimum period of 3 months.
2. Use of unauthorized vehicles other than mentioned below shall attract penal action. You shall obtain amendment to Authorization for any new addition or Deletion of the vehicles during the period of this CCA.

Sr. No.	Vehicle No.	Make & Model	Capacity (MT)	VTS (ID/IMEI)	Barcode (Yes/No)
NA					

3. Body of the Vehicles used for BMW Transportation must be painted from outside with coloured symbol of BIOHAZARD and CYTOTOXIC as shown below, Label shall be NONWASHABLE and be prominently visible on both side of the vehicle body.



4. Name of CTF, Emergency Contact details and warning for safe handling during accident/spillage must be prominently mentioned on both sides of the vehicle must be mentioned on vehicle and must prominently visible.
5. Driver must have valid Driving license and trained to handle emergency.

SCHEDULE-I**Authorization for Management of Bio-Medical Waste (Category and Quantity)**

The authorization is granted for Collection, Transportation, Treatment and disposal of BioMedical Waste (BMW) in waste categories and quantities listed here in below:

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/Month)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	0.00	Yellow coloured non- chlorinated plastic bags.	Incineration of Pretreated sterilized waste as per National AIDS Control Organisation or World Health Organization guidelines.
		b) Animal Anatomical Waste	0.00		
		c) Soiled Waste	0.00		
		d) Expired or Discarded Medicines	0.00		
		e) Chemical Waste	0.00		
		f) Chemical Liquid Waste	0.00	Separate collection system leading to effluent treatment system.	
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	0.00	Yellow coloured non - chlorinated plastic bags or suitable packing material.	
		h) Microbiology Biotechnology and other clinical laboratory waste	0.00	Autoclave safe plastic bags or containers.	
2	Red	Contaminated waste (Recyclable)	0.00	Red coloured non chlorinated plastic bags or containers.	Red coloured non chlorinated plastic bags or containers.
3	White (Translucent)	Waste sharps including Metals	0.00	Puncture proof, Leak proof, tamper proof container.	Disinfected and mutilated sharps to be sent to MPCB authorized metal recycler.
4	Blue	a) Glassware	0.00	Puncture proof, Leak proof with Blue coloured marking.	Chemically treated disinfected Glass/Metal waste to be sent to MPCB authorized recycler.
		b) Metallic body implants	0.00		

Responsibilities of CBWTF

1. You shall upgrade /Operate Common BMW Treatment Facility, in accordance with BMW Management Rules, 2016 as amended 2018 and CPCB guidelines issued time to time.
2. You shall ensure that all Health Care Establishments and Institutions generating BMW in your jurisdiction shall obtain membership of the Common Facility and CCA from MPCB and each HCE authorised shall hand over the waste to the Facility. Also ensure that records of the members are maintained properly.
3. You shall establish and implement bar code for waste collections and global positioning system enabled for vehicle tracking of bio-medical waste transport vehicle
4. You shall ensure Receipt, Treatment and Disposal of only segregated Bio-Medical Waste in colour coded bags from the HCEs within 48 hours from the generation.
5. You shall Supply non-chlorinated plastic coloured bags to the occupier as per mutual agreement
6. You shall ensure mandatory colour coded bins are used for source segregation of BMW by the HCEs and Institutions generating BMW.
7. You shall fix the charges for providing services to HCEs in consultation with local Medical Association. Any dispute regarding charges shall be resolved at District Advisory Committee under the Chairmanship of District Collector
8. The treated Plastic / Metal Waste shall be handed over to the Recycler authorized by MPCB for recycling of treated Bio Medical Waste, record shall be maintained.
9. You shall provide training to all workers involved in handling of bio-medical waste at the time of induction and at least once a year thereafter and maintain record of effectiveness thereof.
10. You shall undertake appropriate medical examination at the time of induction and at least once in a year and immunize all workers involved in handling of bio medical waste for protection against diseases, including Hepatitis B and Tetanus, that are likely to be transmitted while handling bio medical waste and maintain the records for the same.
11. You shall provide PPE as per norms of Factory Act 1948 and ensure use of personal protective Equipment such as Heavy Duty Gloves (Workman's Gloves), Gum Boots or safety shoes for waste collectors, Face mask, Head Cap, Splash Proof Gowns or aprons etc.
12. You shall develop your own website. The website should be uploaded on periodically basis with all the information relating to Bio-Medical waste management including this CCA and other permission and report, as directed time to time.
13. You shall maintain a log book for each of its treatment equipment according to weight of batch; categories of waste treated; time, date and duration of treatment cycle and total hours of operation and daily fuel/energy consumption.
14. You shall maintain all record for operation of incineration, autoclaving, shredding, hazardous Waste disposed and recyclable disposed for a period of five years and produce whenever asked by MPCB authorities.
15. The owner and operator of a common bio medical waste treatment facility both shall be liable for all the damages caused to the environment or the public due to improper management of bio-medical wastes.
16. You shall ensure submission of Annual Report of BMW for the period Jan to Dec, including category and quantity of BMW collected and Disposed at Facility in Form IV for preceding year before 30th June of every year to the Sub-Regional Office, MPCB, and uploading the same to MPCB website(<https://www.mpcb.gov.in/>).

Bank Guarantees

1. Bank Guarantee imposed to ensure timely compliance, to be observed by operator.

Sr.No	Activity / Condition to be Complied	Compliance Timeline (Months)	Bank Guarantee Amount
1A	Performance		
1	To 'Not to Take' effective steps prior to obtaining EC from competent authority	Till Obtaining Environment Clearance	500,000.00
2	To provide Air Pollution Control Devices	Prior to Commission of the said facility	100,000.00
3	To provide ETP/STP of adequate capacity	Prior to Commission of the said facility	200,000.00
4	To provide storage area as per CPCB guidelines for CBWTF dated 21/12/2016 vehicle as per maintain records of BMW handed over to CBMWTDF	Prior to Commission of the said facility	75,000.00
5	To provide graphical temprature , pressure & time recording system to Autoclave	Prior to Commission of the said facility	50,000.00
Total			9,25,000.00

Note: You shall extend the existing submitted Bank Guarantee for the Activity / Condition to be Complied mentioned in the above table valid upto the validity of this CCA + 4 months additional. Submit a fresh Bank Guarantee for the newly added Activity / Condition to be Complied mentioned in the above table valid upto the validity of this CCA + 4 months additional.

General Conditions**The following general conditions shall apply:-**

1. You shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2. Whenever due to any accident or other unforeseen act or event, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith reported to Board, concerned Police Station, Executive Engineer MIDC and Local Body. In case of failure of pollution control equipment's, the process connected to it shall be stopped.
3. You shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control operation to abide by terms and conditions of this consent.
4. You shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 15 of the Environment (Protection) (Second Amendment) Rules, 1992.
5. You shall comply with the Hazardous Waste (M, H & TM) Rules, 2016 and submit the Annual Returns as per Rule 20(2) of Hazardous Waste (M, H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year to Regional Office, Pune.
6. You shall engage qualified staff/personnel/agency to see the day to day compliance of consent & authorization condition towards Environment Protection.
7. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the Terminal manholes. No effluent shall find its way other than in designed and provided collection system.
8. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.
9. You shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
10. You should not cause any nuisance in surrounding area. You shall maintain good housekeeping.
11. You shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted.
12. The non-hazardous solid waste arising in the HCE premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
13. You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification Dated. 16/11/2009 as amended.

14. You shall submit an official e-mail address and any change will be duly informed to the MPCB.
15. You shall observe provisions of E-waste (Management) Rules 2016 & as amended time to time and Batteries (Management and Handling) Amendment Rules, 2010.
16. An inspection book shall be opened and made available to the Board's officers during their visit to the HCE.
17. In case you use/ handle/ generate the cytotoxic waste you shall strictly adhere to the standards/ SOPs applicable and waste shall be labelled specifically as "Cytotoxic Waste" with symbol on waste containers/ bags and shall handover to BMW CTFs.
18. You shall obtain required permissions from competent authority for radio active material user/ handling/ disposal of waste before commencement of such activity.
19. The Energy source for lighting purpose shall preferably be LED based.
20. You shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
21. You shall provide personal protection equipment as per norms of Factory Act 1948
22. You are responsible to submit application for renewal of Combined Consent & Biomedical Waste authorization before 60 days of expiry.

This certificate is digitally & electronically signed.

