SHOGUN
ORGANICS LIMITED

Date : 17-11-2025

To,
Sub Regional Officer, Pune I (SRO Pune-I)
Maharashtra Pollution Control Board,
Jog Center, 3rd floor, Mumbai Pune Road,
Wakdewadi, Pune - 411003.

Subject: Proposed expansion of pesticides manufacturing & formulation unit by Shogun Organics Limited at Plot No. D-18, Kurkumbh MIDC, Taluka Daund, District Pune, Maharashtra- Submission of the 10th six monthly compliance report for the period from April 2025 to September 2025 –Reg.

Ref: Environmental Clearance file no. J-11011/241/2017-IA II(I) dated June 1, 2022 granted by MOEFCC, Govt. of India.

Dear Sir,

We have received the Environment Clearance from MOEFCC, Govt. of India on June 1, 2022 for our project as captioned in the subject.

We are pleased to submit the 10th six monthly compliance report for the period from April 2025 to September 2025.

We are also enclosing herewith the acknowledgment of the submission of the 10th six monthly compliance report for the period from April 2025 to September 2025 to Parivesh portal MoEF & CC.

With this reference we wish to submit the details required as below:

1. Point wise compliance to stipulation as laid down by ministry.
2. Environmental Monitoring Reports.
3. Other documents viz. EC letter, Consent to Operate, Form IV, Form V, Form VII, etc. which are attached as annexures.

We hope you will find same in line with your requirements.

Thanking You,

For Shogun Organics Ltd.

SHOGUN ORGANICS LIMITED MUMBAI

Authorized Signatory

Regd. Office : 4th & 5th Floor, Block-A, NDM-1, Netaji Subhash Place, Delhi –110034. Tel : 011- 66105100
Admin Office : No. 405, Shree Krishna, New Link Road, Andheri (West), Mumbai - 400 053
Tel: +91 22 69010355 Email : info@shogunorganics.com
Factory : Plot No. D-18, MIDC Kurkumbh, Taluka – Daund, Distt – Pune 413802
CIN : U99999DL1993PLC432040

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	J-11011/241/2017-IA II(I)
Compliance ID	112568745
Compliance Number(For Tracking)	EC/M/COMPLIANCE/112568745/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	18-11-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Director

SHOGUN ORGANICS LIMITED

Plot No D-18, Kurkumbh MIDC, Taluka Daund, District Pune,,Pune,Maharashtra-413802

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MH/IND3/260306/2017 dated 05 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC22A017MH117397**
2.	**File No.**	J-11011/241/2017-IA II(I)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity including Schedule No.**	5(b) Pesticides industry and pesticide specific intermediates (excluding formulations)
6.	**Name of Project**	Proposed expansion project for manufacturing of pesticides and specific pesticide intermediates at Plot No.: D-18, MIDC Kurkumbh, Dist. Pune, Maharashtra. by Shogun Organics Limited
7.	**Name of Company/Organization**	SHOGUN ORGANICS LIMITED
8.	**Location of Project**	Maharashtra
9.	**TOR Date**	23 Jan 2018

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 01/06/2022

(e-signed)
Mr. Motipalli Ramesh
Scientist E
IA - (Industrial Projects - 3 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

This is a computer generated cover page.

File No. IA-J-11011/241/2017-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)
***

Indira Paryavaran Bhawan
Jorbagh Road
New Delhi - 110003

Dated: 31st May, 2022

To

M/s Shogun Organics Limited,
Plot No D-18, Kurkumbh MIDC,
Taluka Daund, District Pune,
Maharashtra-413802.
Email: 1961hmv@gmail.com

Project: Proposed expansion for manufacturing of pesticides and specific pesticide intermediates with production capacity of 4211.80 TPA located at plot no. D-18, MIDC Kurkumbh, Dist. Pune, Maharashtra by M/s Shogun Organics Limited - Environmental Clearance

Sir,

This has reference to your proposal No. IA/MH/IND3/260306/2017, dated 05.04.2022, on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for proposed expansion for manufacturing of pesticides and specific pesticide intermediates with production capacity of 4211.80 TPA located at plot no. D-18, MIDC Kurkumbh, Dist. Pune, Maharashtra by M/s Shogun Organics Ltd.

3. The details of products and capacity are as under:

Sr. No.	Name of the Products	CAS No.	Existing Qty. (TPA)	Additional Proposed Qty. (TPA)	Total Qty. (TPA)	Uses
	Group 1: Pyrethroid					
1	D-Allethrin	584-79-2	681.00	200.00	881.00	Insecticides Used in control of Mosquitoes, cockroaches, fleas and other indoor pests at home, Hospitals etc.
2	Bifenthrin	82657-04-3				
3	Cypermethrin	52315-07-8				
4	Diethyl Toluamide Technical (DEET)	134-62-3				
5	Deltamethrin	52918-63-5				
6	Dimefluthrin	271241-14-6				
7	D-Trans Allethrin	28434-00-6				
8	Fipronil	120068-37-3				

Sr. No.	Name of the Products	CAS No.	Existing Qty. (TPA)	Additional Proposed Qty. (TPA)	Total Qty. (TPA)	Uses
9	Imidacloprid	138261-41-3				
10	Permethrin	52645-53-1				
11	Prallethrin	23031-36-9				
12	Renofluthrin	352271-52-4				
13	Transfluthrin	118712-89-3				
14	Chrysanthemic Acid Chloride	14297-81-5				Intermediates for Insecticide Actives
15	Cypermethric Acid Chloride	52314-67-7				
16	R-Cypermethric Acid	59042-50-8				
17	Alphamethrin	67375-30-8	00.00			Insecticides For Use in Co ntrol of Mosquitoes and variety of insects
18	Metofluthrin	240494-70-6				
19	Beta Cyfluthrin	1820573-27-0				
20	Cyfluthrin	68359-37-5				
	Note: “For group 1 total plant capacity i.e. 881 MT/A, we confirm that we will not exceed the same. For the purpose of byproducts, we have assumed a typical scenario of production of maximum 200 MT/A of product no. 2: Bifenthrin, product no. 3: Cypermethrin, product no. 13: Transfluthrin and maximum 100 MT/A of remaining 17 products. You may note that this may individually would add up to 2300 T/A. Thus building safety, byproducts, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 881 MT/A”					
	Group 2: Herbicide Plant 1					
1	Bispyribac Sodium	125401-92-5	00.00	900.00	900.00	Herbicides Used for the control of grasses and shrubs
2	Clodinafop Propargyl	105512-06-9				
3	Metribuzin	21087-64-9				
4	Pyrazosulfuran Ethyl	93697-74-6				
5	Cyhalofop Butyl	122008-85-9				
6	Fenoxaprop P Ethyl	71283-80-2				
7	Mesotrione	104206-82-8				
8	Penoxsulam	219714-96-2				

Sr. No.	Name of the Products	CAS No.	Existing Qty. (TPA)	Additional Proposed Qty. (TPA)	Total Qty. (TPA)	Uses
9	Propaquizafop	111479-05-1				
10	Quizalofop Ethyl	100646-51-3				
11	Sulfosulfuron	141776-32-1				
12	Tembotrione	335104-84-2				
13	Cloquintocet Mexyl	99607-70-2				
14	Ametryn	834-12-8				
	Note: “For group 2 total plant capacity i.e. 900 MT/A, we confirm that we will not exceed the same. For the purpose of byproducts, we have assumed a typical scenario of production of maximum 200 MT/A of product no. 2: Clodinafop Propargyl, product no. 3: Metribuzin, product no. 5: Cyhalofop Butyl, product no. 8: Penoxsulam and maximum 100 MT/A of remaining 10 products. You may note that this may individually would add up to 1800 T/A. Thus building safety, byproducts, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 MT/A”					
	Group 3: Insecticide					
1	Lambda Cyhalothrin	91465-08-6	00.00	900.00	900.00	Insecticides Used in controls sucking and chewing insects, including aphids, whitefly, thrips, rice hoppers, rice bugs etc.
2	Thiamethoxam	153719-23-4				
3	Acetamiprid	135410-20-7				
4	Dinotefuran	165252-70-0				
5	Pymetrozine	123312-89-0				
6	Pyriproxyfen	95737-68-1				
7	Tebuconazole	107534-96-3				Fungicides Used to control fungi, bacteria, and viruses affecting plants
8	Difenoconazole	119446-68-3				
9	Pyraclostrobin	175013-18-0				
10	Tricyclazole	41814-78-2				
11	Trifloxystrobin	141517-21-7				
12	Chlorantraniliprole	500008-45-7				Insecticides Used in controls insects, including aphids,
13	Flonicamid	158062-67-0				
14	Clothianidin	210880-92-5				

Sr. No.	Name of the Products	CAS No.	Existing Qty. (TPA)	Additional Proposed Qty. (TPA)	Total Qty. (TPA)	Uses
15	Diafenthiuron	80060-09-9				whitefly, thrips, rice hoppers, rice bugs, turf grasses, etc.
16	Ethiprole	181587-01-9				
17	Fenpyroximate	134098-61-6				
18	Indoxacarb	173584-44-6				
19	Novaluron	116714-46-6				
20	Spiromesifen	283594-90-1				
21	Thiacloprid	111988-49-9				
22	Thiodicarb	59669-26-0				
23	Tolfenpyrad	59669-26-0				
24	Azoxystrobin	131860-33-8				Fungicides used to control plant diseases
25	Boscalid	188425-85-6				
26	Cyazofamid	120116-88-3				
27	Cyproconazole	94361-06-5				
28	Epoxiconazole	135319-73-2				
29	Hexaconazole	79983-71-4				
30	Isoprothiolane	50512-35-1				
31	Krexosim Methyl	143390-89-0				
32	Metalaxyl	57837-19-1				
33	Metalaxyl- M	70630-17-0				
34	Paclobutrazol	76738-62-0				
35	Penconazole	66246-88-6				
36	Picoxystrobin	117428-22-5				
37	Propiconazole	60207-90-1				
38	Tetraconazole	112281-77-3				

Sr. No.	Name of the Products	CAS No.	Existing Qty. (TPA)	Additional Proposed Qty. (TPA)	Total Qty. (TPA)	Uses
	Note: “For group 3 total plant capacity i.e. 900 MT/A, we confirm that we will not exceed the same. For the purpose of byproducts, we have assumed a typical scenario of production of maximum 150 MT/A of product no. 1: Lambda Cyhalothrin, maximum 300 MT/A of product no. 2: Thiamethoxam, maximum 200 MT/A of product no. 7: Tebuconazole and maximum 100 MT/A of remaining 35 products. You may note that this may individually would add up to 4150 T/A. Thus building safety, byproducts, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 MT/A”					
	Group 4: Herbicide Plant 2					
1	Acifluorfen	50594-66-6	00.00	900.00	900.00	Herbicides used to control a wide spectrum of broadleaf weeds and woody plants.
2	Bentazone	25057-89-0				
3	Bensulfuron Methyl	83055-99-6				
4	Carfentrazone Ethyl	128639-02-1				
5	Clethodim	99129-21-2				
6	Dicamba	1918-00-9				
7	Diclosulam	145701-21-9				
8	Halosulfuron Methyl	100784-20-1				
9	Imazamox	114311-32-9				
10	Imazapic	104098-48-8				
11	Nicosulfuron	111991-09-4				
12	Pinoxaden	243973-20-8				
13	Topramezone	210631-68-8				
14	Tribenuron Methyl	101200-48-0				
15	Glufosinate Ammonium	77182-82-2				
16	Pendimethalin	40487-42-1				
	Note: “For group 4 total plant capacity i.e. 900 MT/A, we confirm that we will not exceed the same. For the purpose of byproducts, we have assumed a typical scenario of production of maximum 150 MT/A of product no. 12: Pinoxaden, maximum 150 MT/A of product no. 13: Topramezone, and maximum 100 MT/A of remaining 14 products. You may note that this may individually would add up to 1700 T/A. Thus building safety, byproducts, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 900 MT/A”					

Sr. No.	Name of the Products	CAS No.	Existing Qty. (TPA)	Additional Proposed Qty. (TPA)	Total Qty. (TPA)	Uses
	Group 5: Intermediate					
1	1,2,4 Triazoles	288-88-0	00.00	600.00	600.00	Intermediate of Tebuconazole
2	2-Chloro-5-Chlori (CCMP)	70258-18-3				Intermediate of Imidacloprid
3	2-Chloro-5-Chloro (CCMT)	105827-91-6				Intermediate of Thiamethoxam
4	2,3-Difluoro-5-Chloropyridine (CDFP)	89402-43-7				Intermediate of Clodianfop Prop.
5	Cypermethric Acid Chloride (CMAC)	52314-67-7				Intermediate for Insecticide Actives
6	Meta Phenoxy Benzal (MPBD)	39515-51-0				Intermediate for Insecticide Actives
7	2-Nitroimidazole (NIIO)	527-73-1				Intermediate of Imidacloprid
8	2-(4-ydrpxyphenoxy)(RHPPA)	94050-90-5				Intermediate of Clodianfop Prop
9	Para Chloro Phenol	106-48-9				Intermediate
	Note: "For group 5 total plant capacity i.e. 600 MT/A, we confirm that we will not exceed the same. For the purpose of byproducts, we have assumed a typical scenario of production of maximum 200 MT/A of 09 products. You may note that this may individually would add up to 1800 T/A. Thus building safety, byproducts, raw material requirement, hazardous waste which actually could be much lower as a cumulative production with maximum 600 MT/A"					
1	Acetic acid (100% basis) (Generated from manufacturing of Pymetrozine)	64-19-7	00.00	30.80	30.80	Various uses to chemical industrie, chemicals laboratories etc.
		Total	**681.00**	**3530.80**	**4211.80**	

4. The PP reported that Ministry had issued EC earlier vide F. No. J-11011/241/2017-IA II (I) dated 23.09.2020 to the existing project for pesticides manufacturing in favour of M/s Shogun Organics Limited. In certified compliance report IRO report dated 15.09.2021 had listed 4 conditions of EC as partially complied. PP have complied all the EC conditions including 4 listed partially complied conditions and same was communicated to IRO, Nagpur dated 25.09.2021 and also to MoEF&CC Delhi dated 13.12.2021. The EAC deliberated the action plan and found in order.

5. The project/activities are covered under category 'A' of item 5(b) of Schedule of Environment Impact Assessment (EIA) Notification and requires appraisal at Central Level by Expert Appraisal Committee (EAC) in the Ministry. Standard ToR for the proposed expansion was issued on 28.10.2021. As the project is located within the notified industrial

area of MIDC Kurkumbh and as per OM dated 27th April 2018 of MoEF&CC, the project is exempted from public hearing.

6. The PP reported that existing land area is 106384 m^2, additional land will not be required for proposed expansion. Industry has already developed greenbelt in an area of 33.01 % i.e., 35124.76 m2 out of total area of the project. The estimated project cost is Rs. 210 Cr. including existing investment of Rs. 15.58 Cr. Total capital cost earmarked towards environmental pollution control measures is Rs. 974.10 Lacs. (including CER cost of 146.0 Lacs.) and the total recurring cost (operation and maintenance) will be about Rs. 1737.95 Lacs. per annum. Total Employment will be 400 persons during operational phase and 100 persons during construction phase. Industry proposes to allocate Rs 1.46 Cr @ 0.75 % of the expansion cost i.e. 194.42 Cr. towards CER.

7. The PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Bhima River is flowing at a distance of 9.5 Km is in North direction. Water bodies like Patas Lake is located at distance of 4.8 Km in NW direction.

8. The PP reported that the ambient air quality monitoring was carried out at 8 locations during December 2020 to February 2021 and the baseline data indicates the ranges of concentrations as: PM_{10} (32.2-60.2 µg/m^3), PM2.5 (14.2-32.1 µg/m^3), SO2 (12.4-32.5 µg/m^3) and NOx (17.9-47.1 µg/m^3). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed expansion project would be 1.25 µg/m^3, 0.83 µg/m^3, 3.79 µg/$m^3$and 0.13 µg/m^3 with respect to PM_{10}, $PM_{2.5}$, SO_2 and NOX. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

9. The PP reported that the total water requirement is 994.43 m^3/day of which fresh water requirement will be 674.35 m^3/day and will be met from MIDC Kurkumbh. Effluent of 259.28 CMD quantity will be treated through existing single effect evaporator, new MEE, conventional ETP comprising of primary, secondary, tertiary followed by RO. The plant will be based on Zero Liquid Discharge (ZLD) system. High TDS/COD stream will be evaporated in MEE. Condensate of MEE will be treated along with low TDS streams in conventional ETP comprising of primary, secondary, tertiary followed by RO. RO permeate will be recycled in utilities while RO reject will be fed to MEE. Unit is complete Zero Liquid Discharge (ZLD) and after proposed expansion also it will remain as ZLD only. Domestic wastewater will be treated in proposed STP of 30 CMD. Treated wastewater will be reused for Gardening during non-monsoon season and in utilities during monsoon season.

10. The PP reported that total power requirement after expansion will be 4070 KW (Connected load) including existing 270 KW & 2600 KW (Operating load) including existing 200 KW and will be met from Maharashtra State Electricity Distribution Company Limited (MSEDCL). Existing unit has DG Set of 320 KVA (1 no.) capacity, additionally of 1500 KVA (1 no.) DG sets are used as standby during power failure. Stack (30m.) will be provided as per CPCB norms to the proposed DG sets.

11. The PP reported that Existing unit has 1.25 TPH (1 no.) fired boiler & 2 Lac kcal/hr. (1 no.) Thermopac. Additionally, 7 TPH (1 no.) & 3 TPH (1 no.) briquette fired boilers & 1 Lac kcal/hr. (1 no.) Thermopac will be installed. Multi cyclone followed by bag filter & stack of height of 30 m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm^3 for the proposed boilers.

12. **Details of Process emissions generation and its management:**

Parameters	Existing Process Emissions (2 Numbers)
Pollutant	HCl & SO_2
Scrubbing media / Adsorber	Caustic solution
Packing type	Pall Ring 2"Dia
APC equipment's	Scrubber & Stack
Temp	30^0C
Diameter	0.5 m
MOC	PP/FRP
Shape	Cylindrical
Height	7 m
Duty	Continuous

Description	Proposed Process Emissions			
Pollutant	Ammonia	HBr	SO_2	HCl
Scrubbing media	Water	Potassium hydroxide (KOH) solution / Caustic solution / Water	Caustic solution	Water
Packing type	Pall Ring 2"Dia	Pall Ring 2"Dia	Pall Ring 2"Dia	Pall Ring 2"Dia
APC equipment's	Scrubber & Stack	Scrubber & Stack	Scrubber & Stack	Scrubber & Stack
Temp	30^0C	30^0C	30^0C	30^0C
Diameter	0.5 m	0.5 m	0.5 m	0.5 m
MOC	PP/FRP	PP/FRP	PP/FRP	PP/FRP
Shape	Cylindrical	Cylindrical	Cylindrical	Cylindrical
Height	15 m	15 m	15 m	15 m
Duty	Continuous	Continuous	Continuous	Continuous

Emissions from utility

	Boiler			Thermopack		D.G Stack	
	Additional Proposed	**Additional Proposed**	**Existing**	**Existing**	**Additional Proposed**	**Existing**	**Additional Proposed**
	7 TPH	**3 TPH**	**1.25 TPH**	**2 Lac kcal/hr.**	**1 Lac kcal/hr.**	**320 KVA**	**1500 KVA**
Fuel type	Briquette		LDO/ Biodiesel	LDO	LDO/ Biodiesel	HSD	HSD

Fuel quantity	33.00 TPD	15.00 TPD	1.55 TPD*	0.45 TPD*	LDO: 0.225 TPD / Biodiesel: 00.25 TPD	12.5 lit/hr.	400.00 lit/hr.
Diameter (m)	0.6	0.6	0.8		0.6	0.08	0.2
Stack Height m (above ground level)	30 m	30 m	20 m combined		30 m	3 m above enclosure	30 m
Type of Pollutant	Particulate Matter	Particulate Matter	SO_2	SO_2	SO_2	SO_2	SO_2
Control Equipment	Multicyclone followed by bag filter & Stack	Multicyclone followed by bag filter & Stack	Stack	Stack	Stack	Stack	Stack
*LDO quantities mentioned in above table has been considered on the basis of requirement of fuel after expansion project. Earlier consented total quantity of LDO was 611 lit/day for existing boiler & thermopack.							

13. **Details of Solid waste/ Hazardous waste generation and management:**

Sr. No.	Category No. as per HW rule,2016	Type of Waste	Unit	Existing	Additional proposed	Total	Disposal
1.	35.3	ETP Sludge	TPA	210.00	390.00	600.00	CHWTSDF
2.	35.3	Spent Carbon from ETP	TPA	00.00	185.00	185.00	CHWTSDF
3.	35.3	MEE Salts	TPA	00.00	9400.00	9400.00	CHWTSDF
4.	20.2	Mixed solvents from stripper	TPA	00.00	1030.00	1030.00	Sale to authorized party /CHWTSDF
5.	33.1	Empty barrels / containers / liners contaminated with hazardous chemicals / waste	Nos./A	480.00	1520.00	2000.00	Sale to authorized party /CHWTSDF

Sr. No.	Category No. as per HW rule,2016	Type of Waste	Unit	Existing	Additional proposed	Total	Disposal
6.	29.6	Spent acid* (S-Cypermethric acid)	TPA	84.00	59.00	143.00	In house consumption / Sale to authorized party / CHWTSDF
7.	29.6	Spent acid* (Hydrochloric acid)	TPA	22.80	812.20	835.00	In house consumption / Sale to authorized party / CHWTSDF
8.	29.1	Process waste or residues* (Sodium sulfite)	TPA	58.8	1216.20	1275.00	In house consumption / Sale to authorized party / CHWTSDF
9.	29.1	Process waste or residues* (Potassium Sulphate)	TPA	00.00	52.30	52.30	In house consumption / Sale to authorized party / CHWTSDF
10.	29.1	Process waste or residues* (Potassium bromide)	TPA	00.00	37.80	37.80	In house consumption / Sale to authorized party / CHWTSDF
11.	29.4	Spent solvents (Phenol)	TPA	00.00	53.50	53.50	In house consumption / Sale to authorized party / CHWTSDF
12.	29.1	Process waste or residues* (Hydrogen Bromide)	TPA	00.00	415.60	415.60	In house consumption / Sale to authorized party / CHWTSDF
13.	29.1	Process waste or residues* (Sodium bromide)	TPA	00.00	43.30	43.30	In house consumption / Sale to authorized party / CHWTSDF
14.	29.1	Process waste or residues* (Methyl hydrogen)	TPA	00.00	38.00	38.00	In house consumption / Sale to authorized party / CHWTSDF
15.	29.1	Process waste or residues* (Copper Chloride)	TPA	00.00	15.00	15.00	In house consumption / Sale to authorized party / CHWTSDF

Sr. No.	Category No. as per HW rule,2016	Type of Waste	Unit	Existing	Additional proposed	Total	Disposal
16.	29.1	Process waste or residues* (Ammonia solution)	TPA	00.00	291.10	291.10	In house consumption / Sale to authorized party / CHWTSDF
17.	29.1	Process waste or residues* (Pottasium salt)	TPA	00.00	343.50	343.50	In house consumption / Sale to authorized party / CHWTSDF
18.	29.4	Spent solvents (Ethanol)	TPA	00.00	12.50	12.50	In house consumption / Sale to authorized party / CHWTSDF
19.	29.4	Spent solvents (Methanol)	TPA	00.00	27.00	27.00	In house consumption / Sale to authorized party / CHWTSDF
20.	29.1	Process waste or residues* (Potassium bicarbonate)	TPA	00.00	44.10	44.10	In house consumption / Sale to authorized party / CHWTSDF
21.	20.3	Distillation residue	TPA	00.00	256.00	256.00	CHWTSDF/Sale to authorized party
22.	29.4	Mix / Spent solvents from process	TPA	00.00	271.00	271.00	CHWTSDF/Sale to authorized party
23.	29.2	Sludge containing residue pesticides	TPA	15.00	35.00	50.00	Sale to authorized party /CHWTSDF
Note: * Sale to authorized party having permission under rule 9 of H&W rule.							

Non-Hazardous Waste Generation and management

S. No.	Description	Unit	Existing	Additional proposed	Total	Disposal
1.	STP Sludge	TPA	00.00	05.00	05.00	Used as manure for Gardening
2.	Scrap & Paper	TPA	15.00	35.00	50.00	Sale to authorized party
3.	Ash from Briquette	TPA	00.00	1750.00	1750.00	Sale to brick manufacturer

14. Details of solid waste/hazardous waste disposal and process emissions generation and its management are as per the plan provided in the EIA & EMP report and as deliberated in the EAC. The project documents are available on PARIVESH portal which can be accessed at http://parivesh.nic.in.

15. The PP reported that they had already provided 33% green cover within the factory premises as per regulations. A total number of 8785 nos. of trees are planted and as per calculation approximate 481.36 Kg of CO_2 per day will be sequestered. The PP also reported the mitigation measures to reduce electricity consumption by use of Variable Frequency Drives (VFD) & IE-3 Motors and reduction in CO2 emission will be obtained by using Solar power, 260 KWp electricity will be generated.

16. The proposal was considered in the 30th Expert Appraisal Committee (Industry-3 sector) meeting held on 26-27, April 2022 in the Ministry through video conferencing, wherein Project Proponent and their accredited Consultant, M/s. Goldfinch Engineering Systems Private Limited with Accreditation Number NABET/EIA/1922/RA0145 valid till 8.12.2022., presented the EIA/EMP report. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at **http://parivesh.nic.in**.

The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

The Committee deliberated on the details of process emissions generation and its management also. The Committee also deliberated on Certified Compliance report and found that remediation plan and community resource augmentation plan is under process.

The Committee deliberated on the water balance data submitted by PP and found it satisfactory. The Committee deliberated on the action plan and budget allocation for green belt development and noted that as committed by the PP the green belt development shall be completed within one year. The Committee suggested that the greenbelt development shall be taken up actively by the PP and trees shall be planted considered 2m x 2m ratio, accordingly, no. of trees should be increased. The Committee deliberated on Action plan for reduction of environmental toxicology, Life cycle analysis study of Pesticide products, details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found satisfactory.

The Committee noted as committed by PP, that there will be no incremental pollution load from wastewater generation as generated wastewater will not be discharged in the environment and will be treated in MEE, ETP & RO and treated wastewater will be reused (ZLD).

The Committee deliberated the Onsite and Offsite Emergency plan and various mitigation measures to be proposed during implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

17. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

18. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3 Sector), Ministry of Environment, Forest and Climate change hereby accords **Environmental Clearance for *"*Proposed expansion for manufacturing of pesticides and specific pesticide intermediates with production capacity of 4211.80 TPA located at Plot No.: D-18, MIDC Kurkumbh, Dist. Pune, Maharashtra by M/s Shogun Organics Limited.,*"*** under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under: -

A. Specific Conditions:

(i). The Unit shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

(ii). All the specific and general conditions, remediation plan and mitigation measures, as stipulated in the earlier EC letter dated 23.09.2020, shall be complied.

(iii). No banned pesticide shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.

(iv). The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

(v). The specie specific conservation plan of Schedule-I species shall be implemented within time limit and as per the approval of the Chief Wildlife Warden of the State Government.

(vi). The project proponent shall comply with the environment norms for 'Pesticide Industry' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13th June 2011 under the provisions of the Environment (Protection) Rules, 1986.

(vii). All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The Project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.

(viii). The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.

(ix). The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.

(x). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(xi). The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.

(xii). The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.

(xiii). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.

(xiv). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.

(xv). The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

(xvi). Total fresh water requirement, sourced from GIDC water Supply, shall not exceed 674.35 KLD. Prior permission in this regard shall be obtained from the concerned regulatory authority/CGWA and renewed from time to time.

(xvii). The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.

(xviii). The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.

(xix). The green belt of at least 5-10 m width shall be developed in at least 33% of the total project area (@2500 Tress per ha), mainly along the plant periphery/ additional land. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. The Trees have to be planted with spacing of 2m x 2m ratio and as in first year itself and subsequent years the green belt shall be monitored. Further, as committed by PP, additionally 1000 nos. of trees will be developing inside and 1000 nos. of trees will be developing outside premises. The plant species can be selected that will give better carbon sequestration.

(xx). The activities and the action plan proposed by the project proponent to address the socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA/ EMP report in letter and spirit.

(xxi). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

B. General Conditions: The grant of environmental clearance is further subject to compliance of other general conditions as under: -

(i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(ii) The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.

(iii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

(iv) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(v) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(vi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

(vii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(viii) The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(ix) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.

(x) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(xi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

(xii) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

19. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a

time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

20. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

21. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

22. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

This issues with approval of the competent authority.

Ramesh

(Dr. Motipalli Ramesh)
Scientist 'E'
Tel. 011-20819249
Email: ramesh.motipalli@nic.in

Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
2. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 32
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
6. The District Collector, District Pune, Maharashtra
7. Guard File/Monitoring File/Website/Record File/Parivesh portal

Ramesh

(Dr. Motipalli Ramesh)
Scientist 'E'
Tel. 011-20819249
Email: ramesh.motipalli@nic.in

Signature Not Verified
Digitally signed by Mr. Motipalli Ramesh
Scientist E
Date: 6/1/2022 10:56:57 AM

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

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

RED/L.S.I (R22)/ Rev. RED/I.S./(111.1)
No:- Format1.0/CAC/UAN No.0000235833/CO/2507001183

Date: 10/07/2025

To,
M/s. Shogun Organics Limited,
Plot No. D-18, MIDC Kurkumbh,
Tal. - Daund, Dist. - Pune,

Your Service is Our Duty

Sub: Amendment in existing Consent to Operate under change in product mix, under RED category.

Ref:

1. Earlier Consent to 1st Operate vide No:- Format1.0/CAC/UAN No.0000152003/CO/2307000577 dated 11.07.2023.
2. Environmental Clearance granted vide No. EC22A017MH117397 dtd 01.06.2022
3. Minutes of 1st Technical Committee (2025-2026) dated 25.04.2025.
4. Minutes of 3rd Consent Appraisal Committee meeting held on 10.06.2025.

Your application No.MPCB-CONSENT-0000235833 Dated 07.02.2025

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/07/2027**
2. **The capital investment of the project is Rs.70.78 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 48.97 Crs + Expansion/Increase in C.I. – Rs. 21.81 Crs.)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
SHED-1: SET-1					
1	(i) D-TRANS ALLETHRIN TECH (ii) D-ALLETHRIN TECH (iii) PRALLETHRIN TECH (iv) TRANSFLUTHRIN TECH (v) BIFENTHRIN TECH (vi) PERMETHRIN TECH (vii) DEET TECH (viii) RENOFLUTHRIN TECH (ix) DIMEFLUTHRIN TECH (x) CLOQUINTOCET MEXYL TECH	696	-196	500	MT/A

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
SHED-1: SET-2					
2	(i) CYPERMETHRIC ACID CHLORIDE (ii) FIPRONIL TECH (iii) IMIDACLOPRID TECH (iv) OCTANOYL CHLORIDE (V) HEPTANOYL CHLORIDE (VI) BENZOQUINONE TECH	143	196	339	MT/A
SHED-3: SET-1					
3	(i) PYRAZOSULFURON ETHYL TECH (ii) THIAMETHOXAM TECH (iii) METRIBUZIN TECH (iv) PENOXSULAM TECH (v) QUIZALOFOP ETHYL TECH (vi) DINOTEFURAN TECH (vii) PYMETROZINE TECH (viii) PYRIPROXYFEN TECH (ix) PYRACLOSTROBIN TECH (x) PICOXYSTROBIN TECH (xi) PINOXADEN TECH (xii) GLUFOSINATE AMMONIUM TECH (xiii) PYROXASULFONE TECH	900	-200	700	MT/A
SHED-3: SET-2					
4	(i) MESOTRIONE TECH (ii) DIFENOCONAZOLE TECH (iii) BISPYRIBAC SODIUM TECH (iv) CLODINAFOP PROPARGYL TECH (v) TEBUCONAZOLE TECH (vi) AMETRYN TECH (vii) CHLORANTRANILIPROLE TECH (viii) TEMBOTRIONE TECH (ix) PYRASULFOTOLE TECH (x) ISOXAFLUTOLE TECH (xi) FLUBENDIAMIDE TECH	900	-500	400	MT/A
SHED-3: SET-3					
5	(i) FLONICAMID TECH (ii) LAMBDA CYHALOTHRIN TECH (iii) DELTAMETHRIN TECH (iv) CYPERMETHRIN TECH (v) R-CYPERMETHRIC ACID (vi) TRIFLOXYSTROBI N TECH (vii) PROPAQUIZAFOP TECH (viii) CYANTRANILIPROLE TECH	900	-750	150	MT/A
FORMULATIONS					
6	LV with 0.88% Transfluthrin (35 ML & 45 ML)	108	0	108	MT/A
7	LV with 1.6% Transfluthrin (35 ML & 45 ML)	108	0	108	MT/A
8	Imidacloprid 2.15% Gel	15	0	15	MT/A
9	Imidacloprid 17.8% SL	15	0	15	MT/A
10	Imidacloprid 30.5% SC	15	0	15	MT/A
11	Fipronil 5% Gel	15	0	15	MT/A
12	Heater Machines	25000	0	25000	No/M
13	Transfluthrin 1% FU	36	0	36	MT/A
14	Renofluthrin 5% MUP	360	4440	4800	MT/A
15	Solvent Mix	36	0	36	MT/A
16	DEP with Perfume	36	0	36	MT/A
17	Renofluthrin 0.025% Coil	60	0	60	MT/A
18	Renofluthrin 0.03% Coil	60	0	60	MT/A
19	Transfluthrin 12% AE	120	0	120	MT/A
20	Renofluthrin 0.17% Insence Sticks (Agarbatti)	50.4	0	50.4	MT/A
21	Renofluthrin 0.20% Insence Sticks (Agarbatti)	50.4	0	50.4	MT/A
22	Renofluthrin 0.125% Insence Sticks (Agarbatti)	50.4	0	50.4	MT/A
23	Renofluthrin 0.75% Liquid Vaporiser	108	0	108	MT/A
24	Transfluthrin 0.06% + Cypermethrin 0.11% AE	120	0	120	MT/A
25	Aluminium Phosphide 15% Tablet	200	0	200	MT/A

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
26	Aluminium Phosphide 56% (F) Tablet	200	0	200	MT/A
27	Transfluthrin 0.07% + Cypermethrin 0.12% w/w Aerosol (AE)	250	0	250	MT/A
28	d-trans Allethrin 0.25% Aerosol	200	0	200	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	56.21	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	13.80	As per Schedule-I	Recycle 100% to achieve ZLD

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1 (Common stack)	Boiler (1.25 TPH & Thermic Fluid heater 4 Lac KCal/Hr	1	As per Schedule -II
2	S-2	Boiler-II (4 TPH)	1	As per Schedule -II
3	S-3	D G Set (320 kVA)	1	As per Schedule -II
4	S-4	Process Vent-1	1	As per Schedule -II
5	S-5	Process Vent-2	1	As per Schedule -II
6	S-6	Process Vent-3	1	As per Schedule -II
7	S-7	Process Vent-4	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Ash from Briquette	600	MT/A	Sale	Sale to brick manufacturer
2	Scrap paper and garbage	21.3	MT/A	Sale	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	29.2 Sludge containing residual pesticides	29	MT/A	Landfill after treatment	CHWTSDF
2	29.6 Spent Acid (Hydrochloric Acid)	43.80	MT/A	Recycle	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
3	29.6 Spent Acid (S-Cypermethric Acid)	139.11	MT/A	Recycle	Sale to authorised party / CHWTSDF
4	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1103	Nos./Y	Recycle	Sale to authorised party / CHWTSDF
5	29.1 Process Waste or Residue (Sodium Sulfite)	138.10	MT/A	Incineration	CHWTSDF
6	35.3 Chemical sludge from waste water treatment	366.76	MT/A	Landfill	CHWTSDF
7	Mixed Salt from Process (Residue)	50.43	MT/A	Incineration	CHWTSDF
8	37.3 Concentration or evaporation residues	1854	MT/A	Incineration	CHWTSDF
9	20.2 Mixed Solvents from stripper	422	MT/A	Recycle	Sale to authorised party / CHWTSDF
10	29.1 Process Wastes or Residues (Potassium Bromide)	130.76	MT/A	Recycle	Sale to authorised party / CHWTSDF
11	29.4 Spent Solvents (Phenol)	37.66	MT/A	Recycle	Sale to authorised party / CHWTSDF
12	29.4 Spent Solvents (Methanol)	36.60	MT/A	Recycle	Sale to authorised party / CHWTSDF
13	20.3 Distillation residues	186.55	MT/A	Incineration	CHWTSDF
14	29.4 Spent solvents from process	82.0	MT/A	Incineration	CHWTSDF

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Battery Waste	0.80	MT/A	Sale to authorized recycler.

Specific Conditions for used Batteries:

i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.

ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.

iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Conditions under E-Waste Management:**

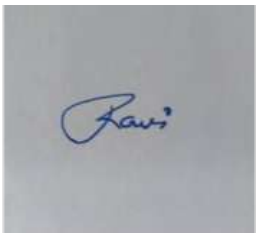
Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	E-Waste	0.80	MT/A	Sale to authorized recycler.

10. **Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:**

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Soiled Waste	0.20	Yellow colored non-chlorinated plastic bags or containers	CBMWTSDF
		b) Expired or Discarded Medicines	0.20		

11. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
12. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
13. This consent is issued with overriding effect on earlier Consent to 1st Operate vide No:- Format1.0/CAC/UAN No.0000152003/CO/2307000577 dated 11.07.2023.
14. This consent is issued pursuant to the decision of the 3rd Consent Appraisal Committee Meeting held on 10/06/2025.
15. The applicant shall comply with the conditions of the Environmental Clearance granted vide No. EC22A017MH117397 dtd 01.06.2022
16. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
17. The applicant shall make an application for renewal of consent 120 days prior to date of expiry of the consent. (Operate/Renewal)
18. Industry shall comply with all the conditions stipulated in Environmental Clearance and ensure display/upload of six-monthly compliance monitoring report on their official website.
19. Industry shall ensure connectivity of OCEMS data to Board server.
20. Industry shall ensure disposal of Hazardous Waste to the actual user having permission under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.
21. The condition shall be imposed as “If any submission of misleading information including NIPL certificate is noticed, then the consent issued under MoEF & CC Product Mix Circular dtd. 02.03.2021 and amendments thereto will stand automatically cancelled.”
22. The industry shall create an Environment Cell by appointing an Environmental Engineer OR Expert for looking after day-to-day activities related to Environment OR Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.



2503fce0
dbf55890
e7a2818f
14688671
e1e1c168
1d7f8120
1b8874f0
9240b06e

Signed by: Shri. Ravindra Andhale
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2025-07-10 12:45:15 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	MPCB-DR-32285	21/02/2025	NEFT

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai
3. CC-CAC updating.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:

   i) Strong COD/TDS stream of 47.82 CMD - Treatment system comprising of Primary (Collection tank, Neutralization tank, Primary after stmt) , Stripper, Multi effect evaporator (4 stage) with design capacity of 60 CMD followed by ATFD. The MEE condensate is treated in weak stream ETP.

   ii) Weak COD/TDS stream of 8.39 CMD - Treatment system comprising of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (MBR), Tertiary (Pressure sand filter, Activated carbon filter), Advance treatment (Reverse osmosis, Multi Efflective Evaporator (4 stage), ATFD) .

   B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.

   C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.

   D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way for gardening / outside factory premises.

2. A] As per your application, primary treated sewage connected to Effluent Treatment Plant for further treatment & disposal.

   B] Industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1B of schedule I.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & 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 addition thereto.

4. The industry 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.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	*Purpose for water consumed*	*Water consumption quantity (CMD)*
1.	Industrial Cooling, spraying in mine pits or boiler feed	265.67
2.	Domestic purpose	16.60

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	73.87
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	173.88

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler (1.25 TPH & Thermic Fluid heater 4 Lac KCal/Hr	Stack	20.00	LDO 808.5 Lit/Day	1.8	TPM	150 Mg/Nm^3
						SO2	22 Kg/Day
S-2	Boiler-II (4 TPH)	Multicyclone followed by Bag filter	30.00	Briquette 15 MT/Day	0.06	TPM	150 Mg/Nm^3
S-3	D G Set (320 KVA)	Acoustic Enclosure Stack	3.00	HSD 6.25 Ltr/Hr	1	TPM	150 Mg/Nm^3
						SO2	3 Kg/Day
S-4	Process Vent-1	Scrubber	7.00	-	-	HCL	35 Mg/Nm^3
S-5	Process Vent-2	Scrubber	7.00	-	-	HCL	35 Mg/Nm^3
S-6	Process Vent-3	Scrubber	7.00	-	-	HCL	35 Mg/Nm^3
S-7	Process Vent-4	Scrubber	7.00	-	-	HCL	35 Mg/Nm^3

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	Rs. 25 Lakh	Extend	Towards O & M of Pollution Control Systems.	31/07/2027	31/07/2028
2	Environmental Clearance (Existing to be extended)	Rs. 77.05 Lakh	Extend	Towards Remediation plan and Natural & Community Resource Augmentation plan to spend within a span of three years.	31/07/2027	31/07/2028

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.

5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
    1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.

       Storage for disassembled parts: The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.
    2. **Storage for other components and residues:**Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with team.
    3. **Balances :** WEEE Guidelines also requires that sites for handling of WEEE have “balances to measure the weight of the segregated waste’. The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
    4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
    5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
    6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
    7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
    8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
    9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
    10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
    11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based

7. The PP 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
8. 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.
   b) Industry should provide acoustic enclosure for control of noise. The 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) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting 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, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
9. The applicant shall maintain good housekeeping.
10. The non-hazardous solid waste arising in the factory 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.
11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
12. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
13. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
15. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
16. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
17. The industry 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.
18. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.

19. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
20. Whenever due to any accident or other unforeseen act or even, 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, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
21. The applicant 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 production to abide by terms and conditions of this consent.
22. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
25. 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.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.
28. The industry 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.
29. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.
30. The applicant shall provide ports in the chimney/(s) 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 chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
31. 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 addition thereto

32. The applicant 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.
33. The applicant 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 by September end.
34. 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.
35. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
36. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
37. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
38. The applicant 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.
39. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or 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.
40. 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).
41. 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.
42. 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

---

This certificate is digitally & electronically signed.

---

compliance to the environmental clearance conditions given in the F.No. J-11011/241/2017-IA II(I) dated 1ST June ,2022

It is important to note that the conditions mentioned in the F.No. J-11011/241/2017-IA II(I) dated 1st June 2022, which are identical to those mentioned in the environmental clearance conditions F.No. J-11011/241/2017-IA II (I) dated 23rd September,2020, have been excluded from this report.

Sr. No	EC Specific condition	Compliance
i	The Unit shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	A dedicated Environmental Management Cell (EMC) has been established to monitor and ensure the effective implementation of all environmental protection measures and regulatory compliance requirements. The roles and responsibilities within the EMC have been clearly defined and appropriately delegated among its members to facilitate systematic and efficient environmental management. The organogram of the Environmental Management Cell, along with detailed roles and responsibilities of its members, is enclosed as **Annexure-I**
ii	All the specific and general conditions, remediation plan and mitigation measures, as stipulated in the earlier EC letter dated 23.09.2020, shall be complied.	All specific and general conditions, along with the remediation plan and mitigation measures stipulated in the EC letter dated 23.09.2020, have been fully complied with. A detailed summary of these conditions and their compliance status is enclosed as **Annexure II.** The remediation plan has been successfully completed. Relevant details were submitted as part of the six-monthly EC Compliance Report for the period April 2023 to September 2023, submitted in December 2023. Furthermore, the progress and completion of activities under the remediation plan were previously reported in the EC Compliance Report for the period October 2022 to March 2023, submitted in June 2023. Any remaining activities were subsequently addressed and confirmed as fully complied with in the December 2023 submission.
iii	No banned pesticide shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.	We hereby confirm that no banned chemicals or pesticides, as listed by the Ministry of Agriculture and Farmers Welfare, are being manufactured, handled, or used at our facility. Furthermore, we assure that no such prohibited substances will be

Sr. No	EC Specific condition	Compliance
		used or produced at any point in the future. An undertaking is enclosed as **Annexure–III.**
iv	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	We are proactively adopting modern technologies and best practices to reduce carbon emissions and minimize our overall environmental impact. Key initiatives undertaken include: **Utilization of Variable Frequency Drives (VFDs)** to optimize energy consumption and improve operational efficiency. **Installation of solar panels** to harness renewable energy and reduce dependency on conventional power sources. **Extensive tree plantation** within and around the facility to enhance green cover and support carbon sequestration. These measures collectively contribute to a meaningful reduction in our carbon footprint and underscore our commitment to environmentally sustainable industrial operations
v	The specie specific conservation plan of Schedule-I species shall be implemented within time limit and as per the approval of the Chief Wildlife Warden of the State Government.	Not applicable as no schedule -1 species were reported in the study area.
vi	The project proponent shall comply with the environment norms for 'Pesticide Industry' as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 446 (E), dated 13th June 2011 under the provisions of the Environment (Protection) Rules, 1986.	Noted & complied
vii	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The Project proponent shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	Separate Standard Operating Procedures (SOPs) for accident and incident control have been established and are being effectively implemented across the facility. An Onsite Emergency Plan has been prepared and is periodically reviewed and updated as required. The updated Onsite Emergency Plan is enclosed as **Annexure-XIX**, and the Offsite Emergency Plan is enclosed as **Annexure-XX.** Copies of the SOPs are provided as **Annexure-IV**.

Sr. No	EC Specific condition	Compliance
		All essential safety installations are fully operational, and regular testing of equipment is carried out in compliance with the provisions of the Factories Act. Mock drills are conducted quarterly to ensure a high level of preparedness for various emergency scenarios. The latest mock drill report is enclosed as **Annexure-V**. Regular safety training is provided to all relevant personnel to foster a strong culture of workplace safety. Records of the safety training sessions, covering various types of emergency situations, are enclosed as **Annexure-VI.** The facility is equipped with a comprehensive firefighting system, which includes: Fire hydrants Fire hoses Foam mobile units A total of 54 fire extinguishers strategically placed throughout the premises. These systems have been implemented to ensure that any risk, particularly during manufacturing and material handling activities, remains contained within the plant boundary. Safety audits are conducted in accordance with statutory requirements. Details of the fire safety systems, along with relevant photographs, were submitted as an annexure in the previous six-monthly report for the period October 2024 to March 2025, submitted on 23rd May 2025. The safety audit conducted on 24.10.2024 is enclosed as **Annexure-XVII.** The report on actions taken based on the recommendations of the safety audit conducted on 24.10.2024, which was submitted to DISH on 05.12.2024, is enclosed as **Annexure-XVIII.**
viii	The volatile organic compounds (VOCs) /Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	To control fugitive emissions from its sources Stack & scrubber has been installed at the project site. Fugitive emissions monitoring being carried out. The results of emission near process plant are given below:

Sr. No	EC Specific condition	Compliance
		Benzene (ppm)- 0.005 Toluene (ppm) – 0.194 Xylene (ppm) – 0.003 The detailed analysis reports of the stack fugitive emissions are enclosed as **Annexure-VII.**
ix	The project proponent shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/ greenbelt development/ horticulture.	The unit is a Zero Liquid Discharge (ZLD). Trade effluent is being segregated & categorized into two streams. 1)High COD/TDS stream is being treated in existing single effect evaporator and new MEE. 2)Low COD/TDS stream along with MEE condensate is being treated in conventional ETP & RO system.
x	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	We had installed 24 x 7 continuous emission monitoring system which is connected to SPCB and CPCB online servers. The screenshots of latest of OCMS record same is enclosed as an **Annexure-VIII.**
xi	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	The storage of toxic and hazardous raw materials at the facility will be maintained at a bare minimum, both in terms of quantity and inventory, to reduce associated risks and ensure safe handling. Efforts will be made to align storage practices with best safety standards and regulatory guidelines. Details regarding the storage of such materials will be submitted to the Regional Office of the Ministry of Environment, Forest and Climate Change (MoEF&CC) and the State Pollution Control Board (SPCB) as part of the periodic compliance report..
xii	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	Various measures have been undertaken to ensure the occupational health and overall well-being of all workers at the facility. These include the establishment of a dedicated Occupational Health Centre, provision of first aid boxes at multiple strategic locations across the premises, and the setup of a fully equipped medical check-up room to support routine health assessments. Photographic documentation of medical check-ups conducted for employees/workers has been recorded in Form 7, which is enclosed as **Annexure-IX.**

Sr. No	EC Specific condition	Compliance
		To ensure safety during operations, appropriate Personal Protective Equipment (PPE) is provided to all personnel working within the factory premises. The PPE includes items such as safety goggles, splash protection goggles, face shields, airline respirators, and others as required by specific job functions. Photographs of the PPE provided were submitted earlier as part of the six-monthly compliance report for the period October 2024 to March 2025, submitted on 23rd May 2025.
xiii	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	Separate Standard Operating Procedures (SOPs) for accident and incident control have been established and are being effectively implemented across the facility. An Onsite Emergency Plan has been prepared and is periodically reviewed and updated as required. The updated Onsite Emergency Plan is enclosed as **Annexure-XIX**, and the Offsite Emergency Plan is enclosed as **Annexure-XX.** Copies of the SOPs are provided as **Annexure-IV**. All essential safety installations are fully operational, and regular testing of equipment is carried out in compliance with the provisions of the Factories Act. Mock drills are conducted quarterly to ensure a high level of preparedness for various emergency scenarios. The latest mock drill report is enclosed as **Annexure-V**. Regular safety training is provided to all relevant personnel to foster a strong culture of workplace safety. Records of the safety training sessions, covering various types of emergency situations, are enclosed as **Annexure-VI.** The facility is equipped with a comprehensive firefighting system, which includes: Fire hydrants Fire hoses Foam mobile units A total of 54 fire extinguishers strategically

Sr. No	EC Specific condition	Compliance
		placed throughout the premises. These systems have been implemented to ensure that any risk, particularly during manufacturing and material handling activities, remains contained within the plant boundary. Safety audits are conducted in accordance with statutory requirements. Details of the fire safety systems, along with relevant photographs, were submitted as an annexure in the previous six-monthly report for the period October 2024 to March 2025, submitted on 23rd May 2025. The safety audit conducted on 24.10.2024 is enclosed as **Annexure-XVII.** The report on actions taken based on the recommendations of the safety audit conducted on 24.10.2024, which was submitted to DISH on 05.12.2024, is enclosed as **Annexure-XVIII.**
xiv	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Adequate provisions have been implemented to limit the fire risk zone within the plant boundary, particularly during manufacturing processes and material handling activities. Fire hydrants strategically located across the facility, Fire hoses readily available for emergency use, Foam mobile units for tackling flammable liquid fires, and A total of 54 fire extinguishers installed at key locations throughout the factory. These measures are part of a comprehensive fire safety plan designed to effectively manage and mitigate fire-related hazards within the premises. The details of fire safety systems & its photographs have been submitted as an annexure in previous six monthly report for October 2024 to March 2025 submitted on 23rd May 2025. Separate Standard Operating Procedures (SOPs) for accident and incident control have been established and are being effectively implemented across the facility. An Onsite Emergency Plan has been prepared and is periodically reviewed and updated as required. The updated Onsite Emergency Plan is enclosed as **Annexure-XIX**, and the Offsite Emergency Plan is enclosed as **Annexure-XX.** Copies of the SOPs are provided as **Annexure-IV**.

Sr. No	EC Specific condition	Compliance
xv	Solvent management shall be carried out as follows	
	(a) Reactor shall be connected to chilled brine condenser system.	Yes, the reactors are connected to a chilled brine condenser system to ensure effective temperature control and safe operation. Photographs of the system were already submitted as part of the previous six-monthly EC compliance report for the period April 2024 to September 2024.
	(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, the reactor and solvent handling pump are equipped with mechanical seals to effectively prevent leakages and ensure safe operation. Photographs of these installations were already submitted as part of the six-monthly EC compliance report for the period April 2024 to September 2024.
	(C) Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a designated area equipped with all necessary safety measures to ensure safe handling and storage. Photographs of the solvent storage area were previously submitted as part of the six-monthly EC compliance report for the period April 2024 to September 2024.
	(d) Proper earthling shall be provided in all the electrical equipment wherever solvent handling is done.	Proper earthing has been provided for all electrical equipment in areas where solvent handling is carried out, ensuring safety against electrical hazards and static discharge. Photographs of these provisions were already submitted as part of the six-monthly EC compliance report for the period April 2024 to September 2024.
	(e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	The Entire plant is flame proof. The solvent storage tank has been provided with breather valve to prevent losses. Photographs of the same has been already submitted in previous six monthly EC Compliance report of April 2024 to September 2024.
	(f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation	We do not have solvent storage tanks. The provision for storage of all solvents are in drums only.
xvi	Total fresh water requirement, sourced from MIDC water Supply, shall not exceed 674.35 KLD. Prior permission in this regard shall be obtained from the concerned regulatory authority/CGWA and renewed from time to time.	The total fresh water requirement does not exceed the proposed quantity. Water bill from April 2025 to September 2025 is enclosed as an **Annexure-X.**
xvii	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises.	Rainwater harvesting is actively practiced at the project site through a rooftop rainwater harvesting system, aimed at conserving water resources and promoting sustainable practices. To ensure environmental compliance, there is no

Sr. No	EC Specific condition	Compliance
	Process effluent/ any wastewater shall not be allowed to mix with storm water.	mixing of process effluent with storm water. Separate drainage and conveyance systems have been provided to maintain proper segregation between storm water and industrial wastewater. Photographs of the rainwater harvesting facility and the dedicated storm water drainage system were submitted as part of the previous six-monthly EC compliance report.
xviii	The PP shall undertake waste minimization measures as below.	
	(a) Metering and control of quantities of active ingredients to minimize waste.	The Metering and control of quantities of active ingredients to minimize waste and Reuse of by-products from the process as raw materials or as raw material substitutes in other processes is being implemented
	(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	
	(c) Use of automated filling to minimize spillage.	Seal proof pumps have been provided to transfer liquid raw materials.
	(d) Use of Close Feed system into batch reactors.	The close feed system is being implemented in batch reactors
	(e) Venting equipment through vapour recovery system	Vapour recovery system has been provided for the venting equipment.
	(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation	The high pressure hoses for the equipment cleaning are being used to reduce waste water generation.
xix	The green belt of at least 5-10 m width shall be developed in at least 33% of the total project area (@2500 Tress per ha), mainly along the plant periphery/ additional land. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. The Trees have to be planted with spacing of 2m x 2m ratio and as in first year itself and subsequent years the green belt shall be monitored. Further, as committed by PP, additionally 1000 nos. of trees will be developing inside and 1000 nos. of trees will be developing outside premises. The plant species can be selected that will give better carbon sequestration.	A significant emphasis has been placed on green belt development within and around the project premises to enhance ecological balance and support environmental sustainability. A total of 17,164.5 sq.m. of green belt area has been developed within the plot, comprising 3,100 trees. In a recent initiative, an additional 2,082 trees were planted over 7,000 sq.m., increasing the total green belt area to 24,164.5 sq.m., which accounts for 22.71% of the total plot area. The target is to achieve 33% green belt coverage of the total plot area (35,124.35 sq.m.), i.e., approximately 11,960 sq.m.. The remaining 10,960 sq.m. was developed during the monsoon season (June to September 2023). In total, 5,182 plants have already been planted. In addition to the internal plantation, 1,000 trees have been planted within the premises and another 1,000 trees outside the premises. All plant species have been carefully selected for their carbon sequestration potential, contributing to long-term environmental sustainability. With these initiatives, we have successfully developed 33% of the total plot area as a green belt.

Sr. No	EC Specific condition	Compliance
		Photographs of the green belt have been submitted as an annexure in previous six monthly report for October 2024 to March 2025 submitted on 23rd May 2025.
XX	The activities and the action plan proposed by the project proponent to address the socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA/ EMP report in letter and spirit.	CER activity expenses has been completed successfully. The details regarding CER activities have been submitted as an annexure in previous six monthly report for October 2024 to March 2025 submitted on 23rd May 2025.
	A separate Environmental Management Cell (having qualified person with Environmental Science/ Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A dedicated Environmental Management Cell has been established to oversee and ensure effective implementation of all environmental protection and compliance measures. Responsibilities have been clearly defined and delegated among the members of the cell. The organogram, along with detailed roles and responsibilities of the EMC, is enclosed as **Annexure-I**.
The grant of environmental clearance is subject to compliance of other general conditions, as under:-		
i	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	**Noted and agreed.**
ii	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.	We are strictly adhering to the provisions of the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended from time to time. All activities related to the transportation of hazardous chemicals are carried out in compliance with the Motor Vehicles Act (MVA), 1989 and applicable safety norms. As part of regulatory compliance, the Annual Return in Form IV is regularly submitted to the Maharashtra Pollution Control Board (MPCB). The Form IV for financial year 2024-25 submitted on 29.06.2025, is enclosed as **Annexure-XI.**
iii	The energy source for lighting purpose shall be	Plant lighting and street lights are provided with

Sr. No	EC Specific condition	Compliance
	preferably LED based, or advanced having preference in energy conservation and environment betterment.	LED bulbs. Solar Pannels are also provided .
iv	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The noise was monitored near main gate, Near DG & Near Boiler House the noise level is 63.0 dB (A) (near Main gate), to is 65.6 dB (A) (near boiler) during the daytime and 57.3 dB (A) (near Main gate), to 59.3 dB (A) (near Boiler) during the night time. The noise levels were found to be within the limits prescribed by CPCB. The noise monitoring reports are enclosed as **Annexure-VII.**
v	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	ESC activities has been undertaken by involving local villages and administration which will improve the socio-economic conditions of the surrounding area. The ESC activity (CER activities) has been completed.
vi	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	The separate funds have been located for the environmental protection measures along with item –wise breakup. The year wise and the item-wise expenditure on the environmental management plans have been already submitted in previous EC compliance report which was submitted in June 2023. The EMP break up for April 2025 to September 2025 is enclosed as an **Annexure- XII.**
vii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	No representations were received from the concerned Municipal Corporation and the local NGO while processing the proposal.
viii	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	This is the 10th six monthly compliance report being submitted for the period from April 2025 to September 2025 After the submission to the Parivesh portal of MoEF the same will be uploaded on the website of Shogun. The transmittal emails of the of submission of the earlier EC compliance to the R.O MoEF & CC, R.O. MPCB, SRO MPCB and the Regional Directorate CPCB are enclosed as **Annexure-XIII.** The clearance letter has been put on the website of the company

Sr. No	EC Specific condition	Compliance
		Website: http://www.shogunorganics.com
ix	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.	The Form-V for the financial year ending 31st March 2025 which was submitted online on 29/09/2025 is enclosed as **Annexure-XIV.** Form V uploaded on company website. The 9th EC Compliance for the period October 2024 to March 2025 also uploaded on company website. The screen shot is enclosed as an **Annexure- XV**. Website: http://www.shogunorganics.com
x	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	The advertisement regarding the grant of environmental clearance was published in two newspapers Loksatta (Marathi) and The Indian Express on 07/06/2022. Copies of the said advertisements were submitted in previous six monthly EC Compliance Report for the period April 2024 to September 2024.
xi	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	**Noted and agreed.**
xii	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	**Noted and agreed.**
19	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	**Noted and agreed.**
20	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	**Noted and agreed.**
21	Any appeal against this environmental clearance	**Noted and agreed.**

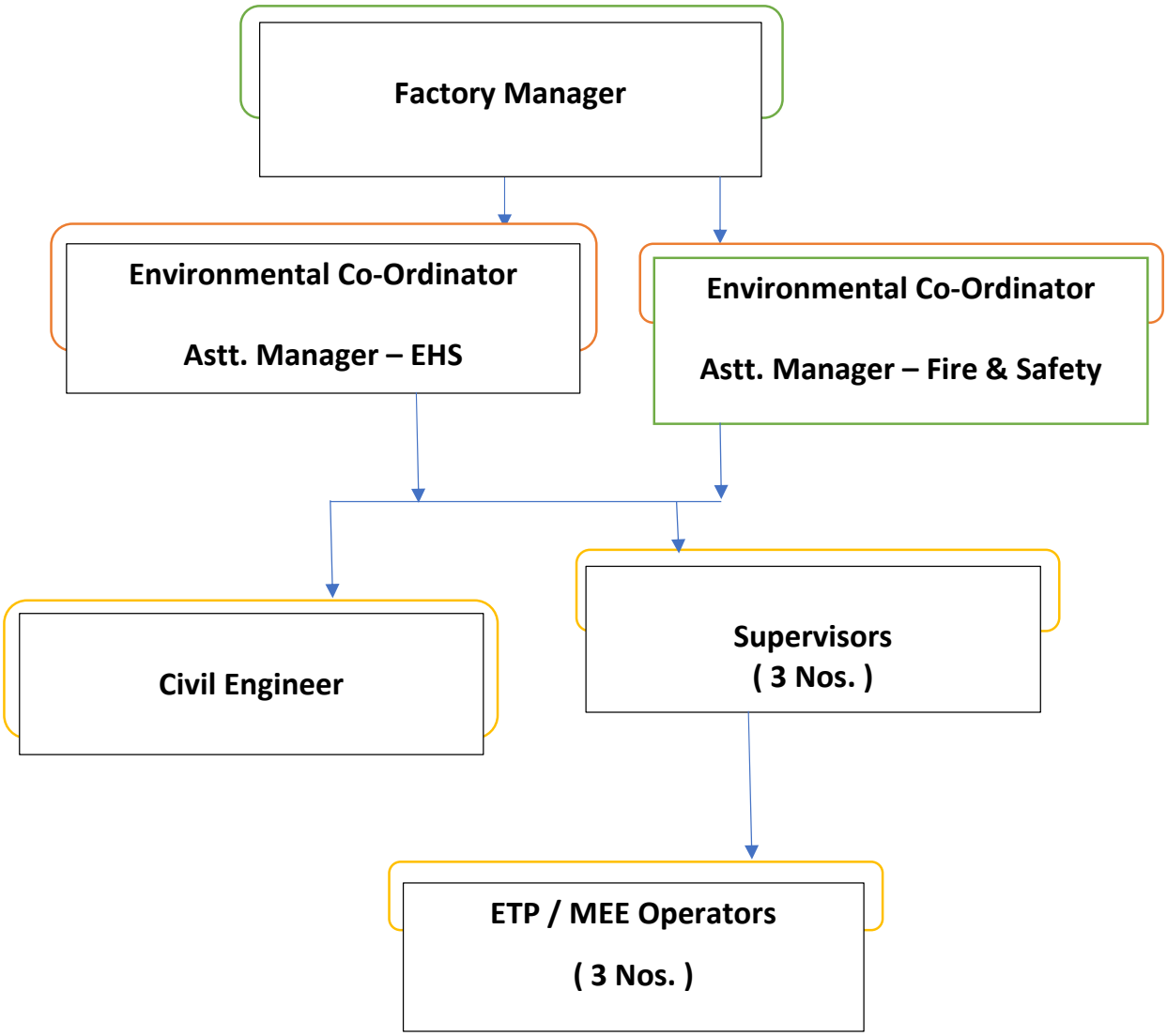
Sr. No	EC Specific condition	Compliance
	shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	
22	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	**Noted and agreed.** The Public Liability Insurance is enclosed as an **Annexure-XVI.**

1.

Environment management Cell

SHOGUN
ORGANICS LIMITED

Organogram of Environmental Cell



2.

Previous EC Compliance –As An Annexure

Point-wise compliance to the environmental clearance conditions given in the F.No. J-11011/241/2017-IA II (I) dated 23rd September,2020

Sr.No	EC condition	Compliance
i	The bank guarantee shall be released after successful implementation of the Remediation Plan and Natural and Community Resource Augmentation Plan and after recommendation by Regional Office of the Ministry, EAC and approval of the Regulatory Authority. ln case of failure to complete the remediation plan within stipulated time line, the fresh bank guarantee shall be submitted.	A Bank Guarantee of Rupees 77.05 lakh has been submitted. The Remediation Plan and Natural Resource Augmentation Plan, as outlined in the Environmental Clearance (EC) letter dated 23.09.2020, have been fully complied with. The remediation plan has been completed, and its details were provided in the six-monthly compliance report for the period April 2023 to September 2023, submitted in December 2023. Additionally, activities carried out under the remediation plan were included in the EC Compliance Report for the period October 2022 to March 2023, submitted in June 2023. The remaining activities, which have also been completed, were reported in the December 2023 submission.
ii	Rs. 77,05,000/- towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years.	A Bank Guarantee of Rupees 77.05 lakh has been submitted. Compliance with the Remediation Plan and Natural Resource Augmentation Plan, as specified in the Environmental Clearance (EC) letter dated 23.09.2020, has been ensured. These plans were attached as an annexure to the six-monthly compliance report for the period April 2023 to September 2023, submitted in December 2023.
iii		
iv	Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) shall not issue Consent to Operate (CTO) till the project proponent obtains such permission	Borewell/well or drawing of groundwater is not allowed as the plot is in notified industrial area Kurkumbh. Water supply for project related activities provided by MIDC Kurkumbh. Water bill from April 2025 to September 2025 is enclosed as an **Annexure-X.**
vii	National Emission Standards for Pesticides Manufacturing Industry issued by the Ministry vide G.S.R.446(E) dated 13th June, 2011, as amended from time to time, shall be followed.	Noted & complied.
xii	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame	Hazardous chemicals are stored in a designated, separate room. In the tank farm area, flame arresters have been installed, and

	arresters shall be provided on tank farm, and solvent transfer through pumps	solvents are transferred using pumps. Photographic evidence of these safety measures was included as an annexure in the previous six-monthly EC Compliance Report. Additionally, specific photographs of the flame arresters installed in the tank farm were also submitted as part of the same annexure.
xv	Action plan submitted by the project proponent should be implemented in case of reactor failure or damage	In the event of a reactor failure or damage, an appropriate action plan will be implemented. The Standard Operating Procedure (SOP) for this has been enclosed as **Annexure-IV.**
xvi	Attempt shall be made by proponent to minimize the water uses and maximize the water recycling	The unit is a Zero Liquid Discharge (ZLD). Trade effluent is being segregated & categorized into two streams. 1)High COD/TDS stream is being treated in existing single effect evaporator and new MEE. 2)Low COD/TDS stream along with MEE condensate is being treated in conventional ETP & RO system. The analysis report is enclosed as an **Annexure-VII.**
The grant of environmental clearance is subject to compliance of other general conditions, as under:-		
i	The project authorities shall adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.	**Noted and agreed.**
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	**Noted and agreed**
xiii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	No representations were received from the concerned Municipal Corporation and the local NGO while processing the proposal. The clearance letter has been put on the website of the company. The screenshot of EC uploaded on company website has been submitted as an annexure as part of EC Compliance report.

3.

Undertaking for not Manufacturing of Banned Products

SHOGUN
ORGANICS LIMITED

UNDERTAKING

We, M/s Shogun Organics Ltd. having address at Plot No. D-18, MIDC Kurkumbh, Taluka Daund, Distt – Pune, Maharashtra would like to undertake that we will not manufacture or use the ban chemicals / Pesticides as per the Ministry of Agriculture and Farmers Welfare.

Thanking you,

For M/s. Shogun Organics Ltd

Authorized Signatory

Office : A-106 Kotia Nirman, New Link Road, Andheri (West), Mumbai - 400 058
Tel: +91 22 6677 6846 Fax: +91 22 6677 6847 Email : info@shogunorganics.com
Factory : Plot No. D – 18, M.I.D.C., Kurkumbh, Tal. - Daund, Dist. - Pune - 413 802
CIN : U99999MH1993PLC073845

4.

SOPs for Accident & Incident Control

STANDARD OPERATING PROCEDURE
WORST CASE SCENARIO

This SOP is intended to provide general safety guidance and worst case scenario for electric power-driven reactors and equipment used to manufacture chemical / Hazardous chemicals in the plant. These types of machines present a number of potential hazards, which must be recognized and controlled to minimize the risk of injury / accident in the plant.

Hazard Overview :

Potential hazards of operating machines and equipment are numerous. Some of the most obvious recognized hazards are from reactors / equipment motion. Hazardous motion is characteristic of the point-of-operation of the reactor.

- Chemical hazards resulting from the product being handled i.e toxic fumes emitted from reactions
- Fire due to electrical sparks, open flames, static electricity etc.
- Eye or skin damage caused by contact with chemical fumes / sparks

Safe operation of reactors and equipment necessitates that all foreseeable hazards are controlled. Effective control is achieved through a risk assessment process.

Risk Assessment Overview :

Risk assessment process consists of several steps. For the purposes of this SOP, the following steps are emphasized:
1. Identify the tasks and hazards
2. Assess the initial risk
3. Reduce the risk to a feasible and acceptable level
4. Validate the solutions

Identification of Tasks and Hazards :

A number of different reactors / equipment hazards are possible, ranging from those inherent to the machine itself to hazards created by the operator or environment in which the reactor is located.
Take into consideration different tasks, operator competencies, operating modes, and failure scenarios.

Tasks to be considered may include:

- Reactors installation and assembly
- Start-up and change-over
- Various modes of operation
- Various feedstock materials, considering both dimensions and material of construction
- Maintenance, cleaning, and repairs
- Shutdown
- Mechanical
- Energy sources (e.g., electrical, pneumatic, hydraulic, etc.)
- Unexpected start-up or shut-down, or automatic repeat cycles
- Exposures to harmful substances or environments e.g., chemical exposures, vibration, noise and fumes, etc.
- Unstable loads, stocks, finished products, etc.

General Safe Operating Rules :

Regardless of the particular risk reduction measures selected for a particular equipment / reactor, there are some general safe operating rules that must be observed.

- Restrict access to shop floor at equipment/machines to authorized operators.
- Avoid working alone in the area so that someone is available to provide assistance in the event of an emergency.
- Read and adhere to the Operating Instructions and warnings.
- Receive training in proper operation and demonstrate competency to an experienced and authorized operator for each type of task to be conducted before operating independently.
- Know the emergency stop/shut-down procedures for the specific machine operated.
- Inspect machines/equipment prior to each operating shift to ensure that:
- Points of operation and surrounding areas are clean of debris and other hazards.
- Shields and guards are in place and controls and interlocks or other safety devices are accessible and operating properly
- Pay attention to the point of operation, as well as the area behind, to the side, and above the machine
- Machine components are in good working condition . Do not use damaged equipment.
- Labels and warnings are present and legible.
- Do not operate equipment that is damaged or that has missing/defective guards or shields
- Follow the manufacturer's recommendations for routine cleaning and preventative maintenance.
- Do not attempt to over ride or defeat safety features.
- Guards and shields must be in place during normal operation.
- Operate machinery within its designed limits.
- Do not wear loose clothing or jewelry while operating machines.
- Wear appropriate work attire and prescribed Personal Protective Equipment, including, at a minimum, safety glasses and closed-toed and slip-resistant shoes.
- Avoid Mobile phones
- Ensure adequate lighting to safely operate the equipment.
- Do not eat or drink in shop floor areas or while operating equipment. Wash hands and exposed skin thoroughly after completing work and before leaving the work area.
- Observe good housekeeping. Keep floors and equipment/machines clean.
- Store stock materials in a neat and secured manner.
- Do not accumulate excess combustibles.
- Keep aisles and exits clean.

Control on Process if any Causes during the Ongoing Process

Sr. No.	PROCESS	CAUSES	HOW TO CONTROL
01.	Reaction	➢ **Reactor Gear Box Damaged**	➢ Cut off Power supply of Reactor motor. ➢ Stop raw material addition & maintain temp. by chiller. ➢ Drain reaction volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.
		➢ **Reactor Motor Damaged**	➢ Follow the same process mentioned above.
		➢ **Reactor Stirrer damaged**	➢ Follow the same process mentioned above .
		➢ **Reactor bottom Valve Pass/damaged**	➢ Stop raw material addition & maintain temp. by chiller. ➢ Keep 200 lits capacity open mouth drum below the Reactor pass valve ➢ Collect spillage material (If any) by soak kit & keep aside for Purification/incineration. ➢ Fill the process material from this drum to another drum by pump/bucket. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's. ➢ After spillage material soaking by soak kit, wash the area by water & collect this water to ETP for further treatment.
		➢ **Reactor Jacket damaged**	➢ Stop Reactor stirrer motor & raw material addition. ➢ Close reactor chilling water line Inlet & Outlet valves. ➢ Drain reaction volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.
		➢ **If Chilling Plant stopped /Failure**	➢ Stop raw material addition. ➢ Close chilling line inlet outlet valves & Open cooling line inlet outlet valves to maintain the temp. Start slowly addition of raw material & maintain temp. ➢ If temp. not maintaining then stop addition & drain reaction volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.

		➢ **If Reactor Pressurized / burst**	➢ Stop Reactor stirrer motor & raw material addition. ➢ Start the scrubber & open scrubber valve to release the inside reactor pressure. ➢ After getting normal pressure start stirrer motor & raw material addition under scrubbing.
02.	**Washing**	➢ **Reactor Gear Box Damaged**	➢ Cut off Power supply of Reactor motor. ➢ Stop raw material addition & maintain temp. by chiller. ➢ Drain reaction volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.
		➢ **Reactor Motor Damaged**	➢ Follow the same process mentioned above
		➢ **Reactor Stirrer damaged**	➢ Follow the same process mentioned above .
		➢ **Reactor bottom Valve Pass/damaged**	➢ Stop raw material addition & maintain temp. by chiller. ➢ Keep 200 lits capacity open mouth drum below the Reactor pass valve ➢ Collect spillage material (If any) by soak kit & keep aside for Purification/incineration. ➢ Fill the process material from this drum to another drum by pump/bucket. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's. ➢ After spillage material soaking by soak kit, wash the area by water & collect this water to ETP for further treatment.
		➢ **Reactor Jacket damaged**	➢ Stop Reactor stirrer motor & raw material addition. ➢ Close reactor chilling water line Inlet & Outlet valves. ➢ Drain reaction volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.
		➢ **If Reactor Pressurized / burst**	➢ Stop Reactor stirrer motor & raw material addition. ➢ Start the scrubber & open scrubber valve to release the inside reactor pressure. ➢ After getting normal pressure start stirrer motor & raw material addition under scrubbing.

03.	**Distillation**	➢ **Reactor Gear Box Damaged**	➢ Cut off Power supply of Reactor motor. ➢ Close steam valve ➢ Apply cooling to reactor jacket & cool mass to room temp. ➢ Release reactor vacuum & drain mass in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.
		➢ **Reactor Motor Damaged**	➢ Follow the same process mentioned above
		➢ **Reactor Stirrer damaged**	➢ Follow the same process mentioned above .
		➢ **Reactor bottom Valve Pass/damaged**	➢ Keep 200 lits capacity open mouth drum below the Reactor pass valve ➢ Close steam supply valve to the reactor jacket. ➢ Stop rector stirrer ➢ Open reactor jacket cooling water inlet outlet valve to cool the mass. ➢ Collect spillage material (If any) by soak kit & keep aside for Purification/incineration. ➢ Fill the process material from this drum to another drum by pump/bucket. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's. ➢ After spillage material soaking by soak kit, wash the area by water & collect this water to ETP for further treatment.
		➢ **Reactor Jacket damaged**	➢ Close steam supply valve to the reactor jacket. ➢ Cool inside mass by spraying cold water on reactor jacket. ➢ On cooling to ambient temp, release reactor vacuum & drain mass in drum & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.

		➢ **If Chilling/ Cooling Plant stopped /Failure**	➢ Close steam supply valve of reactor jacket. ➢ Stop reactor stirrer. ➢ Open reactor jacket cooling or chilling water inlet outlet valve to cool the reactor inside mass. ➢ If Cooling tower & chiller both failed then spray cold water on reactor jacket to cool the mass ➢ After cooling, release rector vacuum & drain volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.
		➢ **If Reactor inside temperature Shoot up**	➢ Reactor temperature is interlocked with stream Pressure reducing valve (PRV) so firstly steam supply PRV to jacket will be close automatically. Close manual steam supply valve of reactor jacket. ➢ Stop reactor stirrer. ➢ Open jacket vent valve to release the reactor jacket steam pressure. ➢ Open reactor jacket cooling water inlet outlet valve to cool the reactor inside mass.
		➢ **If Reactor Jacket high Pressurized**	➢ Reactor jacket pressure gauge is interlocked with stream Pressure reducing valve (PRV) so firstly steam supply PRV to jacket will be close automatically. Close manual steam supply valve of reactor jacket ➢ Stop reactor stirrer. ➢ Open jacket vent valve to release the reactor jacket steam pressure.
		➢ **If Vacuum Pump Stopped / Failure**	➢ Close reactor vacuum valve. ➢ Close steam supply valve of reactor jacket & open jacket vent valve to release the reactor jacket steam pressure. ➢ Stop reactor stirrer. ➢ Open reactor jacket cooling water inlet outlet valve to cool the reactor inside mass. ➢ After cooling , release rector vacuum & drain volume in drums & charge to other reactor for further process. ➢ At the time of draining material keep scrubber hood on drum to scrub the fumes by scrubber & use required PPE's.

5.

Mock drill Reports

SHOGUN
ORGANICS LIMITED

JAS-ANZ | QES | ISO 9001 | ISO 14001 | OHSMS 45001

O/C

Date:- Date- 21-1-2025

To,
Joint Director,
Industrial Safety & Health,
Maharashtra Labour Welfare Bhavan,
2nd Floor, Plot No. G.P.163, G-Block,
Sambhajinagar,M.I.D.C .(Thermax Chowk)
Chinchwad, Pune-411019

Subject: Submission of Mock Drill Report.

Respected Sir,
Mock Drill was conducted in our Factory Dated -29/12/2024
Please find here with the copy of Mock Drill report for your reference and record.

Please acknowledge receipt of the same.

Thanking you.

Yours Truly
For, SHOGUN ORGANICS LTD.

Authorised Signatory.

Encl: 1) Mock Drill Report.

सह संचालक औद्योगिक सुरक्षा व आरोग्य कार्यालय १
महाराष्ट्र कामगार कल्याण भवन, तिसरा मजला,
संभाजीनगर, (थरमॅक्स चौक), चिंचवड, पुणे ४११०१९

SHOGUN
ORGANICS LIMITED

MOCK DRILL REPORT

(Half yearly Dec-2024)

Date of Mock drill : 29/12/204
Time : 15:20
Scenario : B class fire.
Type of Drill : Fire and evacuation Drill.
Internal / External Observer : Internal
Incident Information : Mr. Nikhil Jamble

A sequence of Scenario:

Sr. No.	Time	Incidence Sequence	Action Taken
1	15:20	Initiation of Mock Drill	• First Observer, Mr. Nikhil Jamble, initiated the emergency by shouting "Help...Help...Help." • Mr. Nikhil Jamble informed his supervisor, Mr. Anant Sinare, about the emergency. • Mr. Swapnil Jawak activated the Emergency Siren as per the DMP plan.
2	15:21	Incident Controller	• Mr. Anant Sinare reached the incident spot and assumed the role of incident controller.
3	15:22	Shift In charge of the affected plant	• Safe shutdown initiated by plant (Mr. Anant Sinare) with the help of plant staff/Workers. • Ensure transferring/ sampling/ manual Handling/work permit etc. Has stopped on safe Side.
4	15:22	ERT Team Members	• ERT team & Mr.Sandip Kothimbire reach at site. • Communication between Mr.Sandip Kothimbire (safety officer) and Mr. Anant Sinare (Incident controller).
5	15:23	EHS Officer	Safety officer has started to mitigate emergencies with the help of ERT members, Following instruction from the incident controller.
6	15:23	Engg Team	• Mr. Nikhil Shinde reached at pump house at started diesel pump as per guideline.
7	15:26	Administrative In Charge	Mr. Ranjeet Khomane..(Administrative in-charge) reached at main gate and Ordered security supervisor to restrict the movement of unwanted person / vehicles from the gate.
8	15:20 to 15:40.	Security Supervisor.	• Mr. Sachin Shinde, the security supervisor, closed the main gate and the main entry gate upon hearing the emergency siren. He then directed security personnel to the assembly point for a headcount.

			• Security personnel proceeded to the assembly point for headcount. • Mr. Sachin Shinde conducted a headcount of contract labour/ workers / employees as per records and communicated to the Administration In-charge. • All personnel were accounted for, with no one missing.
9	15:20 To 15:40	Site Main Controller	• Mr. Santosh Kumar Panda, Site Main Controller, maintained contact with the Incident Controller, assessed the situation, and provided support.
10	15:35 To 15:40	Closing Action	• Confirmed complete fire extinguishment. • Informed the Incident Controller about fire extinguishment. • Provided a clear update on the situation. • Secured all fire hoses, nozzles, and extinguishers. • Issued an all-clear signal to all personnel. • Mr. Bajrang Suryawanshi, Safety Officer, guided employees back to their designated work areas. • Facilitated a controlled and orderly resumption of operations.

ROLES PLAYED FOR MOCK DRILL:

Sr. No.	Description	Names
1	First Observer	Mr. Nikhil Jamble.
2	Site Main Controller	Mr. Santosh Kumar Panda
3	Incident Controller	Mr. Anant Sinare .
4	Administration In-charge	Mr. Ranjeet Khomane.
5	Plant Officers (Shift in charge)	Mr. Anant Sinare
6	Emergency Team member cum First Aider	Mr.Sunil Bhurange,Mr. Sharad Darekar,Mr.Santosh Sonwane,Mr.Mama Javir, Mr.Nitin Gaikwad.Mr. Aniket Nimbalkar, Mr.Malhari Bhagwat, Mr.Sagar Dudhe.
7	Emergency vehicle driver	Mr. Sagar Kamble.
8	Fire Pump Attendant	Mr. Nikhil Shinde.
9	Security Officer	Mr. Sachin Shinde.
10	Safety Officer	Mr. Sandip Kothimbire , Mr. Bajrang Suryawanshi.

SHOGUN
ORGANICS LIMITED

JAS-ANZ ISO 9001 ISO 14001 OHSAS 18001

MOCK DRILL OBSERVATIONS:

Sr. No.	Observations /Recommendations	Observed By	Responsibility	Compliance Status
1	Unwanted material kept near assembly point on path way.	Mr. Ramesh Lad.	Mr.Bajarang Suryawanshi.	Remove all unwanted material & clear pathways.
2	Fire pump attendant not reached within response time at a pump house.	Mr. Yogesh Hande.	Mr. Amol Sapkal.	Training Provided to fire pump attendant.

29/12/24

Safety Officer

O/C

SHOGUN
ORGANICS LIMITED

Date:- 10/07/2025

To,
Joint Director,
Industrial Safety & Health,
Maharashtra Labour Welfare Bhavan,
2nd Floor, Plot No. G.P.163, G-Block,
Sambhajinagar,M.I.D.C .(Thermax Chowk)
Chinchwad, Pune-411019

Subject: Submission of Mock Drill Report.

Respected Sir,
Mock Drill was conducted in our Factory Dated -28/06/2025
Please find here with the copy of Mock Drill report for your reference and record.

Please acknowledge receipt of the same.

Thanking you.

Yours Truly
For, SHOGUN ORGANICS LTD.

10/07/2025
Authorised Signatory.

Encl: 1) Mock Drill Report.

SHOGUN ORGANICS LTD. KURKUMBH INDIA

सह संचालक औद्योगिक सुरक्षा व आरोग्य कार्यक्षेत्र १
महाराष्ट्र कामगार कल्याण भवन, तिसरा मजला,
संभाजीनगर, (थरमॅक्स चौक), चिंचवड, पुणे ४११०१९

Corporate Office : 4th & 5th Floor, NDM-1, Netaji Subhash Place, Delhi –110034. Tel : 011-66105100
Regd. Office : A-106, Kotia Nirman, New Link Road, Andheri (West), Mumbai - 400 058
Tel: +91 22 6677 6845 / 6846 Email : info@shogunorganics.com
Factory : Plot No. D-18, MIDC Kurkumbh, Taluka – Daund, Distt – Pune 413802
CIN : U99999MH1993PLC073845

SHOGUN
ORGANICS LIMITED

MOCK DRILL REPORT

Date of Mock Drill : 28/06/2025
Time & Location : 16:20 Utility Plant near Boiler Ash Area.
Scenario : A class fire
Type of Drill : Fire and Evacuation Drill.
Internal / External Observer : Internal
First Aiders : Mr. Sharad Darekar, Mr. Santosh Sonwane, Mr.Mama Javir.
Incident Information : Mr. Sanjay Khomane, Boiler Operator.

A sequence of Scenario:

Sr. No.	Time	Incidence Sequence	Action Taken
1	16:20	Initiation of Mock Drill	• First observer Mr. Sanjay Pasalkar. Initiated the emergency by shouting "Fire ... Fire....Fire." • Mr. Sanjay Pasalkar informed the emergency to Mr. Sanjay Khomane, Boiler Operator. • Mr. Maruti Shendage activated the Emergency siren.
2	16:21	Incident Controller	• Incident controller Mr. Amol Sapkal reached the incident spot.
3	16:22	Shift In-charge of the affected plant	Mr. Sanjay Khomane (Boiler Operator) initiated a safe shutdown of the boiler, ensuring all boiler activity ceased safely.
4	16:23	ERT Team Members	• ERT team & Mr. Sandip Kothimbire reached the site. Communication established between Mr. Sandip Kothimbire (Safety Officer) and Mr. Amol Sapkal (Incident Controller).
5	16:24	EHS Officer	• Safety officer with the assistance of ERT members began fire mitigation efforts, operating under the instructions of the Incident Controller.
6	16:25	Site Controller	• Mr. Santosh Kumar Panda, Site controller, maintained continuous contact with the incident controller, assessed the situation, and provided support.
7	16:27	Administrative In-Charge	• Mr. Sudhir Muley (Administrative In-charge) reached the main gate and ordered the security supervisor to restrict the movement of unwanted persons/vehicles from the gate.

8	16:28	Security Supervisor	• Upon hearing the emergency siren, Mr. Sanket Jadhav (Security Supervisor) ordered the closure of the main gate and the main entry gate. • Administration and security personnel then proceeded to the assembly point for a headcount. • Mr. Jadhav conducted a headcount of contractor employees based on their records and communicated the findings to the Administrative In-charge. • All headcounts matched, confirming no personnel were missing.
9	16:32 - 16:35	Closing Action	• The fire was confirmed to be completely extinguished. • The Incident Controller was immediately informed of the fire extinguishment and received a clear, concise update on the situation, including confirmation of no casualties or ongoing concerns. • No casualties were found, and no first aid treatment was required. • All fire hoses, nozzles, and extinguishers used during the incident were secured. • A clear all-clear signal was issued to all personnel, who were then guided back to their designated work areas. • A controlled and orderly resumption of operations was facilitated.

ROLES TO BE PLAYED FOR MOCK DRILL:

Sr. No.	Description	Names
1	First Observer	Mr. Sanjay Pasalkar.
2	Site Main Controller	Mr. Santosh Kumar Panda.
3	Incident Controller	Mr. Amol Sapkal.
4	Administration In-charge	Mr. Sudhir Muley.
5	Boiler Operator (Shift in charge)	Mr. Sanjay Khomane.
6	Emergency Team member cum First Aider	Mr. Sharad Darekar, Mr. Santosh Sonwane, Mr. Mama Javir. Mr.Sagar Dudhe, Mr.Nikhil Shinde.

SHOGUN
ORGANICS LIMITED

7	Ambulance driver / Emergency vehicle driver	Mr. Santosh Zende.
8	Fire Pump Attendant / Security Guard	Mr. Ram Mane.
9	Security Officer	Mr. Sanket Jadhav.
10	Safety Officer	Mr. Sandip Kothimbire, Mr. Bajrang Suryawanshi.

MOCK DRILL OBSERVATIONS:

Sr. No.	Observations / Recommendations	Observed By	Responsibility	Compliance Status
1	Need to improve communication between ERT Team.	Mr. Hari Krashan	Mr. Bajrang Suryawanshi	Re-training on communication protocols for all ERT Team Members.
2	Need to Improve alertness of fire pump Attendant	Mr.Laxman Bankar.	Mr. Ranjeet Khomane.	Re-training on communication protocols for all ERT Team Members.

Safety Officer


Operating Siren

6.

Safety Training Record 2025

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training JAN.- 2025

S.No	Training Topic	Date	Number of Employees who attended this program
1	Preacution while Handling of Hazardous chemicals	1/2/2025	11
2	How to use Eye wash fountain,Eye wash shower	1/5/2025	14
3	Industrial Hygeine	1/15/2025	10
4	Behaviuor Based Safety Training (Company Employee)	1/24/2025	13
5	Genral Security & Safety Rules	1/26/2025	6
	Handling Of Hazardous Chemicals	1/27/2025	8
	Behaviuor Based Safety Training (Company Employee)	1/31/2025	13
		Total No. of employees	**75**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training Feb.- 2025

S.No	Training Topic	Date	Number of Employees who attended this program
1	Work permit system	2/8/2025	12
2	Handling and storage of Different solvent	2/24/2025	14
3		-	
Total No. of employees			**26**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training March .- 2025

S.No	Training Topic	Date	Number of Employees who attended this program
1	First Aid measures for chemical exposure	5/3/2025	25
2	role & responsbility in case of emergency security dept.	6/3/2025	17
3	fire fighting training	7/3/2025	32
4	risk of carcinogen exposure in daily living	8/3/2025	32
5	Training of accident prevention	9/3/2025	27
6	OHS Awareness	23/03/2025	16
	Total No. of employees		**149**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training April - 2025

S.No	Training Topic	Date	Number of Employees who attended this program
8	LOTO Procedure (On line Training By E-Square)	4/2/2025	5
2	Safety Awaerness	4/5/2025	6
3	Importance of PPEs	4/10/2025	16
4	House keeping	4/11/2025	9
5	SCBA Handling	4/14/2025	16
6	Earth Day -2025(Our Power Our Planet)	4/22/2025	14
7	Hazard Communication	4/22/2025	17
8	Awaerness of ERA & HIRA	4/27/2025	10
	Total No. of employees		**93**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training May - 2025

S.No	Safety Training Topic	Date	Number of Employees who attended this program
8	Emergency Evacuation procedure	5/2/2025	13
2	Hazard Communication	5/3/2025	13
3	Preacution in Heat stroke while working at Height	5/5/2025	14
4	OHS Awarness	5/5/2025	6
5	Emergency Evacuation procedure	5/23/2025	13
6	Ergoonomical Hazard	5/24/2025	7
7	Heat and stress	5/24/2025	13
Total No. of employees			**79**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training June - 2025

S.No	Safety Training Topic	Date	Number of Employees who attended this program
8	Mock drill procedure	6/1/2025	13
2	Emergency prepardness plan	6/20/2025	10
3	How to handlled snakes catcher stick	6/21/2025	9
4	Basic First Aid	6/23/2025	10
5	workplace Hazzard	6/27/2025	10
6	Basic First Aid	6/1/2025	16
	Total No. of employees		**68**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training July - 2025

S.No	Safety Training Topic	Date	Number of Employees who attended this program
1	Fire Fighting	7/5/2025	14
2	M.S.D.S.(Methanol)	7/10/2025	17
3	M.S.D.S.(Caustic Flakes)	7/12/2025	14
4	Hazardous waste Management	7/13/2025	11
5	M.S.D.S.(Thionyl Chloride and sodium Hydroxide flakes)	7/14/2025	9
6	M.S.D.S.(Methanol)	7/18/2025	16
7	M.S.D.S.(sodium Hydroxide flakes)	7/19/2025	14
8	Electrical Safety	7/26/2025	18
9	Equipment Operatioon	7/29/2025	15
	Total No. of employees		**128**

SHOGUN ORGANICS LIMITED KHURKHUMBH
EHS Training AUG. - 2025

S.No	Safety Training Topic	Date	Number of Employees who attended this program
1	Importance of House Keeping	8/1/2025	14
2	Importance of House Keeping	8/2/2025	13
3	Chemical spillage and control Mesures (Acetonitrile)	8/4/2025	14
4	Chemical spillage and control Mesures(HCL)	8/6/2025	15
5	Chemical spillage and control Mesures (Acetonitrile)	8/8/2025	16
6	Importance of House Keeping	8/12/2025	13
7	Chemical spilage ad control measures	8/13/2025	17
8	Safe Hndling of Hazardous Chemical (Hydrogen peroxide)	8/19/2025	6
9	Chemical Handling and spillage control measures (Transfluthrin)	8/25/2025	9
	Total No. of employees		**117**

7.

Environment Monitoring Reports -SOL

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/06-160 **Report Date: 26.06.2025**

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	15.06.2025	**Sample Description:**	Ambient
Sampling Time:	10.30 hrs – 18.30 hrs.	**Sample Collected by:**	Laboratory
Sampling Duration:	08.00Hrs	**Sampling Location:**	Near Main Gate
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Conditions:**	**Temp:** 30°C **Climate:** Clear
Date of Receipt of Sample:	17.06.2025	**Sample Code:**	GFL/AA/25/06-160
Date of Analysis Started:	18.06.2025	**Date of Analysis Completed:**	26.06.2025
Sample Quantity & Container:	SO_2:1 Bottle; NO_2:1 Bottle; PM_{10}-1 Paper; $PM_{2.5}$-1 Paper; NH_3:1 Bottle, Bladder:1,		
Transport Conditions:	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal lube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM_{10}	70.63	100*	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter $PM_{2.5}$	28.52	60*	µg/m³	IS 5182 (Part-24):2019
Sulphur Dioxides as SO_2	10.83	80*	µg/m³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen as NOx	18.44	80*	µg/m³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia as NH_3	28.33	400**	µg/m³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide as CO	<1.00	04**	mg/m³	IS 5182 (Part-10):1999, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025				**Sampling carried out using ADS GOLDFINCH/INST-ADS/44 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2025**

[#] Specified under National Ambient Air Quality Standards by CPCB;
[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Taidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (~~DTM~~ / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY

(Department of Goldfinch Engineering Systems™ Private Limited)

Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/06-161 **Report Date: 26.06.2025**

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	16.06.2025	**Sample Description:**	Ambient
Sampling Time:	09.30 hrs – 17.30 hrs.	**Sample Collected by:**	Laboratory
Sampling Duration:	08.00Hrs	**Sampling Location:**	Near Boiler
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Conditions:**	**Temp:** 29°C **Climate:** Clear
Date of Receipt of Sample:	17.06.2025	**Sample Code:**	GFL/AA/25/06-161
Date of Analysis Started:	18.06.2025	**Date of Analysis Completed:**	26.06.2025
Sample Quantity & Container:	SO_2:1 Bottle; NO_2:1 Bottle; PM_{10}-1 Paper; $PM_{2.5}$-1 Paper; NH_3:1 Bottle; Bladder:1,		
Transport Conditions:	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM_{10}	72.28	100*	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter $PM_{2.5}$	28.68	60*	µg/m³	IS 5182 (Part-24):2019
Sulphur Dioxides as SO_2	11.19	80*	µg/m³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen as NOx	21.43	80*	µg/m³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia as NH_3	23.15	400**	µg/m³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide as CO	<1.00	04**	mg/m³	IS 5182 (Part-10):1999, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025				Sampling carried out using ADS GOLDFINCH/INST-ADS/44 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2026

[#] Specified under National Ambient Air Quality Standards by CPCB.
[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Jaidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (DTM / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY

(Department of Goldfinch Engineering Systems™ Private Limited)

Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/06-162 **Report Date: 26.06.2025**

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund. District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	15.06.2025	**Sample Description:**	Ambient
Sampling Time:	09.15 hrs – 17.15 hrs.	**Sample Collected by:**	Laboratory
Sampling Duration:	08.00Hrs	**Sampling Location:**	Jiregaon
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Conditions:**	**Temp:** 29°C **Climate:** Clear
Date of Receipt of Sample:	17.06.2025	**Sample Code:**	GFL/AA/25/06-162
Date of Analysis Started:	18.06.2025	**Date of Analysis Completed:**	26.06.2025
Sample Quantity & Container:	SO_2:1 Bottle; NO_2:1 Bottle; PM_{10}-1 Paper; $PM_{2.5}$-1 Paper, NH_3:1 Bottle, Bladder:1,		
Transport Conditions:	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM_{10}	67.29	100*	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter $PM_{2.5}$	26.74	60*	µg/m³	IS 5182 (Part-24):2019
Sulphur Dioxides as SO_2	07.83	80*	µg/m³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen as NOx	17.04	80*	µg/m³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia as NH_3	18.12	400**	µg/m³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide as CO	<1.00	04**	mg/m³	IS 5182 (Part-10):1999, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/03 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025				**Sampling carried out using ADS GOLDFINCH/INST-ADS/42 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2026**

[#] Specified under National Ambient Air Quality Standards by CPCB:
[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
Raut 26/06/25	Patil 26/06/25	Hande 26/6/25
Vaibhav Raut	Jaidip Patil	Neha S. Apte.
Name, Sign & Date	**Name, Sign & Date (DTM / TM)**	**Name, Sign & Date (Authorized Signatory TM / QM)**

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)

Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/06-163 Report Date: 26.06.2025

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	16.06.2025	**Sample Description:**	Ambient
Sampling Time:	10.15 hrs – 18.15 hrs.	**Sample Collected by:**	Laboratory
Sampling Duration:	08.00Hrs	**Sampling Location:**	Girim
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Conditions:**	**Temp:** 29°C **Climate:** Clear
Date of Receipt of Sample:	17.06.2025	**Sample Code:**	GFL/AA/25/06-163
Date of Analysis Started:	18.06.2025	**Date of Analysis Completed:**	26.06.2025
Sample Quantity & Container:	SO_2: 1 Bottle; NO_2 1 Bottle; PM_{10}-1 Paper; $PM_{2.5}$-1 Paper; NH_3 1 Bottle; Bladder:1,		
Transport Conditions:	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM_{10}	69.07	100*	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter $PM_{2.5}$	27.29	60*	µg/m³	IS 5182 (Part-24) 2019
Sulphur Dioxides as SO_2	6.87	80*	µg/m³	IS 5182 (Part-2/Sec 1): 2023
Oxides of Nitrogen as NOx	17.24	80*	µg/m³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia as NH_3	22.55	400**	µg/m³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide as CO	<1.00	04**	mg/m³	IS 5182 (Part-10):1999, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/03 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025			Sampling carried out using ADS GOLDFINCH/INST-ADS/42 Calibrated on: 30.05.2025 Calibration Due on: 30.05.2026	

[#] Specified under National Ambient Air Quality Standards by CPCB
[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Rawt	Jaidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (DTM / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11452

QF/LA/10-A

Report Ref. No.: GFL/AA/R/25/06-164

Report Date: 26.06.2025

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	14.06.2025	**Sample Description:**	Ambient
Sampling Time:	10.30 hrs – 18.30 hrs	**Sample Collected by:**	Laboratory
Sampling Duration:	08.00Hrs	**Sampling Location:**	Patas
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Conditions:**	**Temp:** 29°C **Climate:** Clear
Date of Receipt of Sample:	17.06.2025	**Sample Code:**	GFL/AA/25/06-164
Date of Analysis Started:	18.06.2025	**Date of Analysis Completed:**	26.06.2025
Sample Quantity & Container:	SO_2:1 Bottle; NO_2:1 Bottle; PM_{10}-1 Paper; $PM_{2.5}$-1 Paper, NH_3:1 Bottle; Bladder:1,		
Transport Conditions:	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-80%			

Parameters	Results	Limits (#)	Units	Sampling Method / Test Method
Particulate Matter PM_{10}	68.35	100*	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
Particulate Matter $PM_{2.5}$	27.14	60*	µg/m³	IS 5182 (Part-24):2019
Sulphur Dioxides as SO_2	6.55	80*	µg/m³	IS 5182 (Part-2/Sec 1):2023
Oxides of Nitrogen as NOx	15.52	80*	µg/m³	IS 5182 (Part-6):2006, Reaffirmed-2022
Ammonia as NH_3	19.27	400**	µg/m³	IS 5182 (Part-25):2018, Reaffirmed-2023
Carbon Monoxide as CO	<1.00	04**	mg/m³	IS 5182 (Part-10):1999, Reaffirmed-2019
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on: 03.12.2024 Calibration Due on: 03.12.2025			**Sampling carried out using ADS GOLDFINCH/INST-ADS/44 Calibrated on: 30.05.2024 Calibration Due on: 30.05.2025**	

[#] Specified under National Ambient Air Quality Standards by CPCB;
[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] Annual monitoring values.

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Jaidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (~~DTM~~ / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-B

Report Ref. No.: GFL/AS/R/25/06-165 **Report Date: 26.06.2025**

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	15.06.2025	**Sample Description:**	Stack
Sampling Time:	12.30 Hrs	**Sample Collected by:**	Laboratory
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Location:**	Boiler Stack MR 18624
Date of Receipt of Sample:	17.06.2025	**Sampling Environmental Conditions:**	**Temp:** 34°C
Date of Analysis Started:	18.06.2025		**Barometer Pressure:** 702 mmHg
Date of Analysis Completed:	26.06.2025	**Sample Code:**	GFL/AS/25/06-165
Sample Quantity & Container:	SO_2:1Bottle, NO_x:1Bottle, Thimble:1		
Transport Conditions:	Bottles < 5°C	Thimbles in plastic container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-60%			

Stack Details			
Stack Attached To:	Boiler Stack MR 18624	**Stack Diameter (m):**	0.8
Fuel used:	Briquette	**Stack Height (m):**	30.0
Fuel consumption:	12 T/day	**Shape of Stack:**	Circular
Number of port holes:	1	**Area of Stack (m^2):**	0.502
Platform available:	Yes	**Details of APCD System:**	Dust Collector

Parameters	Results	MPCB Limits	Units	Sampling Method / Test Method
Velocity of flue gases	6.91		m/s	CPCB Guidelines on Methodologies for Source Emission Monitoring
Temperature of flue Gases	128		°C	
Flow/volume of flue Gases	12487.7		m^3/Hr	
Particulate Matter	66.41	115	mg/Nm^3	CPCB Guidelines on Methodologies for Source Emission Monitoring
Sulphur Dioxide Content	66.87	–	mg/Nm^3	IS:11255 (Part 2):1985 Reaffirmed 2019
	20.04	–	Kg/day	
Oxides of Nitrogen	37.19	–	mg/Nm^3	IS 11255 (Part 7):2005, Reaffirmed 2022

Sampling Carried out using Stack Monitoring Kit
ID No. GOLDFINCH/INS-STACK/97
Calibrated on –08.08.2024
Calibration due on –08.08.2025

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Daidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (~~DTM~~ / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-B

Report Ref. No.: GFL/AS/R/25/06-166 **Report Date: 26.06.2025**

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	15.06.2025	**Sample Description:**	Stack
Sampling Time:	15:30 Hrs	**Sample Collected by:**	Laboratory
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Location:**	D.G. Stack – 320 KVA
Date of Receipt of Sample:	17.06.2025	**Sampling Environmental Conditions:**	**Temp:** 33°C
Date of Analysis Started:	18.06.2025		**Barometer Pressure:** 702 mmHg
Date of Analysis Completed:	26.06.2025	**Sample Code:**	GFL/AS/25/06-166
Sample Quantity & Container:	SO_2:1Bottle; NO_x:1Bottle; Thimble:1		
Transport Conditions:	Bottles < 5°C	Thimbles in plastic container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature:	25±2°C	**Humidity:** 30-80%	

Stack Details			
Stack Attached To:	D.G. Stack – 320 KVA	**Stack Diameter (m):**	0.15
Fuel used:	Diesel	**Stack Height (m):**	5.00
Fuel consumption:	30 lit/hrs.	**Shape of Stack:**	Circular
Number of port holes:	1	**Area of Stack (m^2):**	0.0176
Platform available:	Yes	**Details of APCD System:**	--

Parameters	Results	MPCB Limits	Units	Sampling Method / Test Method
Velocity of flue gases	8.13		m/s	CPCB Guidelines on Methodologies for Source Emission Monitoring
Temperature of flue Gases	146		°C	
Flow/volume of flue Gases	515.4		m^3/Hr	
Particulate Matter	39.16	115	mg/Nm^3	CPCB Guidelines on Methodologies for Source Emission Monitoring
Sulphur Dioxide Content	27.86	--	mg/Nm^3	IS:11255 (Part 2):1985 Reaffirmed 2019
	0.34	3	Kg/day	
Oxides of Nitrogen	32.13	--	mg/Nm^3	IS 11255 (Part 7):2005, Reaffirmed 2022

Sampling Carried out using Stack Monitoring Kit
ID No. GOLDFINCH/INS-STACK/97
Calibrated on –08.08.2024
Calibration due on –08.08.2025

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Dilip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (~~DTM~~ / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-B

Report Ref. No.: GFL/AS/R/25/06-167

Report Date: 26.06.2025

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	16.06.2025	**Sample Description:**	Stack
Sampling Time:	14:30 Hrs	**Sample Collected by:**	Laboratory
Sampling Plan:	QF/LA/01B- 30.05.2025	**Sampling Location:**	Process HCL Scrubber
Date of Receipt of Sample:	17.06.2025	**Sampling Environmental Conditions:**	**Temp:** 34°C
Date of Analysis Started:	18.06.2025		**Barometer Pressure:** 702 mmHg
Date of Analysis Completed:	26.06.2025	**Sample Code:**	GFL/AS/25/06-167
Sample Quantity & Container:	HCL: 1 Bottle		
Transport Conditions:	Bottles < 5°C	Thimbles in plastic container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature:	25±2°C	**Humidity:** 30-80%	

Stack Details			
Stack Attached To:	Process HCL Scrubber	**Stack Diameter (m):**	0.3
Fuel used:	-	**Stack Height (m):**	7.0
Fuel consumption:	-	**Shape of Stack:**	Circular
Number of port holes:	1	**Area of Stack (m^2):**	0.0706
Platform available:	Yes	**Details of APCD System:**	Scrubber

Parameters	Results	MPCB Limits	Units	Sampling Method / Test Method
Velocity of flue gases	5.64		m/s	CPCB Guidelines on Methodologies for Source Emission Monitoring
Temperature of flue Gases	38		°C	
Flow/volume of flue Gases	1434.0		m^3/Hr	
Hydrochloric Acid as HCl	0.76	35	mg/Nm^3	EPA 0051, USEPA 9057

Sampling Carried out using Stack Monitoring Kit
ID No. GOLDFINCH/INS-STACK/97
Calibrated on –08.08.2024
Calibration due on –08.08.2025

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Jaidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (DTM / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

QCI-NABET accredited EIA consultant
ISO 9001:2015 Certified Company
Certified by ISO 45001 - 2018

QF/LA/10-D

Report Ref. No.: GFL/AW/R/25/06-168 **Report Date: 26.06.2025**

Analysis Test Reports For Workplace Monitoring

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	16.06.2025	**Sample Description:**	Workplace
Sampling Time:	14:00Hrs to 14:30Hrs	**Sample Collected by:**	Laboratory
Sampling Plan:	QF/LA/01 B – 30.05.2025	**Sampling Location:**	Manufacturing Area
Date of Receipt of Sample:	17.06.2025	**Sampling Conditions:**	**Temp:** 31°C **Humidity:** 57%
Date of Analysis Started:	18.06.2025	**Date of Analysis Completed:**	26.06.2025
Sample Quantity & Container:	Charcoal Tube: 1		
Transport Conditions :	Bottles < 5°C	Filter papers in plastic bag and container	Bladder, charcoal tube at ambient temp.
Environmental Condition while Testing : - Temperature: 25±2°C **Humidity:** 30-80%			

Sample Code No.	Location	Parameter	Result	Limits (#)	Units	Sampling Method / Test Method
GFL/AW/25/06-168	Manufacturing Area	Benzene	0.005	2.5	ppm	GFL/SOP/GC-01
		Toluene	0.194	150	ppm	GFL/SOP/GC-01
		Xylene	0.003	150	ppm	GFL/SOP/GC-01

Sampling carried out using
GOLDFINCH/INST-HD sampler/62
Calibrated On : 02.12.2024
Calibration Due On : 02.12.2025

(# STEL) Limits as per Factories Act, 1948: 2020.

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Jaidip Patil	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (DTM / TM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/10-C

Report Ref. No.: GFL/AN/R/25/06-169 to 171 **Report Date: 24.06.2025**

Analysis Test Report for Ambient Noise Level Survey

Name of the Industry: M/S Shogun Organics Limited, MIDC Kurkumbh. Plot No. D-18, Kurkumbh MIDC, Taluka: Daund, District: Pune. Mr. M.V. Hande (9920183331)			
Date of Sampling:	15.06.2025-16.06.2025	**Sample Description:**	Ambient Noise
Day Time Sampling:	06.00 Hrs. -22.00 Hrs.	**Sample Collected by:**	Laboratory
Night Time Sampling:	22.00 Hrs. -06.00 Hrs.	**Date of Receipt of Sample:**	17.06.2025
Sampling Plan:	QF/LA/01 B – 30.05.2025	**Sampling Conditions:**	**Ambient Temp:** 30°C **Climate:** 69%
Frequency Weighting:	A	**Time Weighting:**	Fast
Date of Analysis Started:	24.06.2025	**Date of Analysis Completed:**	24.06.2025
Transport Conditions: Noise meter and datasheets safely kept in bag and transported to laboratory			
Environmental Condition while Testing: - Temperature : 25 ± 2°C **Humidity :** 30-80%			

Ambient Noise Level				**Sampling Method / Test Method**
Sample Code No.-	**Location**	**Day dB(A)**	**Night dB(A)**	
GFL/AN/25/06-169	**Near Boiler House**	65.6	59.3	IS 9989-1981 Reaffirmed 2023
GFL/AN/25/06-170	**Near Main Gate**	63.0	57.3	
GFL/AN/25/06-171	**Near DG**	63.3	59.0	
M.P.C.B. Limit		**75**	**70**	

Survey carried out using dB meter **Sr.No. GOLDFINCH/INST- DB Meter /31** **Calibrated On: 02.10.2024** **Calibration due: 01.10.2025**	**Survey carried out using dB meter** **Sr.No. GOLDFINCH/INST- DB Meter /124** **Calibrated On: 12.02.2025** **Calibration due: 11.02.2026**

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	**Reviewed by**	**Authorized by**
26/06/25	26/06/25	26/6/25
Vaibhav Raut	Jaidip Patil	Neha S. Apte
Name, Sign & Date	**Name, Sign & Date (~~DFM~~ / TM)**	**Name, Sign & Date (Authorized Signatory TM / QM)**

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/09

Report Ref. No. : GFL/W/R/25/06/20 Report Date: 24.06.2025

Analysis Test Report

Name & Address of the Client :	**M/s. Shogun Organics Limited. Kurkumbh**		
Date of Sample Collection :	17.06.2025	**Sample Description :**	ETP Inlet
Date of Receipt of Sample:	17.06.2025	**Sample Quantity :**	1000 ml
Date of Analysis Started :	17.06.2025	**Sample Collected by**	Laboratory
Date of Analysis Completed :	24.06.2025	**Sample Container :**	Plastic Carboy
Sampling Plan :	QF/LA/01-B 31.05.2025	**Sampling Location :**	ETP Plant
Sampling Method :	APHA 1060B 24th Edition	**Sample Code :**	**GFL/W/25/06/20**
Environmental Condition during analysis : Temperature = 25 ± 2°C		**Humidity = 30 to 80 %**	

Sr. No.	Parameters	Unit	Results	Limit as per MPCB Consent	Test Method Used
1.	pH at 25°C	--	8.43	--	APHA 4500-H+B(24th Edition)
2.	Chemical Oxygen Demand (COD)	mg/l	22	--	APHA 5220 B (24th Edition)
3.	Total Dissolved Solids dried at 180°C	mg/l	1184	--	APHA 2540 C (24th Edition)
4.	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	784	--	IS 3025(Part 44) :2023
5.	Total Suspended Solids dried from 103 to 105 °C	mg/l	3018	--	APHA 2540 D (24th Edition)
6.	Oil & Grease	mg/l	8	--	APHA 5520 B (24th Edition)

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
Priyanka 24/6/25	Neha S. Apte.	Neha S. Apte.
Name, Sign & Date	Name, Sign & Date (DTM / TM / QM)	Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/09

Report Ref. No. : GFL/W/R/25/06/21 **Report Date: 24.06.2025**

Analysis Test Report

Name & Address of the Client :	**M/s. Shogun Organics Limited. Kurkumbh**		
Date of Sample Collection :	17.06.2025	**Sample Description :**	ETP Outlet
Date of Receipt of Sample:	17.06.2025	**Sample Quantity :**	1000 ml
Date of Analysis Started :	17.06.2025	**Sample Collected by**	Laboratory
Date of Analysis Completed :	24.06.2025	**Sample Container :**	Plastic Carboy
Sampling Plan :	QF/LA/01-B 31.05.2025	**Sampling Location :**	ETP Plant
Sampling Method :	APHA 1060B 24th Edition	**Sample Code :**	**GFL/W/25/06/21**
Environmental Condition during analysis : Temperature = 25 ± 2°C		**Humidity = 30 to 80 %**	

Sr. No.	Parameters	Unit	Results	Limit as per MPCB Consent	Test Method Used
1	pH at 25°C	–	8.70	6.5 to 8.5	APHA 4500-H+B(24th Edition)
2	Chemical Oxygen Demand (COD)	mg/l	8	Less than 250	APHA 5220 B (24th Edition)
3	Total Dissolved Solids dried at 180°C	mg/l	978	Not Specified	APHA 2540 C (24th Edition)
4	Biochemical Oxygen Demand 3 days at 27°C (BOD)	mg/l	26	Less than 100	IS 3025(Part 44) :2023
5	Total Suspended Solids dried from 103 to 105 °C	mg/l	98	Less than 100	APHA 2540 D (24th Edition)
6	Oil & Grease	mg/l	<5	Less than 10	APHA 5520 B (24th Edition)

---------- End of Report ----------

For Goldfinch Laboratory

Analyzed by
Priyanka 24/6/25
Name, Sign & Date

Reviewed by
24/6/25
Neha S. Apte.
Name, Sign & Date
(DTM / TM / QM)

Authorized by
24/6/25
Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

QCI-NABET accredited EIA consultant
ISO 9001:2015 Certified Company
Certified by ISO 45001 - 2018

QF/LA/25

Report Ref. No. : GFL/W/R/25/06/21 **Report Date: 23.06.2025**

ANALYSIS TEST REPORT - BIOASSAY

Name & Address of the Client :	**M/s. Shogun Organics Limited. Kurkumbh**		
Date of Sample Collection	16.06.2025	**Sample Description**	ETP Outlet
Date of Receipt of Sample :	17.06.2025	**Sample Quantity :**	5000 ml
Date of Analysis Started :	18.06.2025	**Sample Collected by :**	Laboratory
Date of Analysis Completed :	23.06.2025	**Sample Container :**	Plastic Carboy
Sample collection Plan :	QF/LA/01-B 30.05.2025	**Sampling Location :**	ETP Plant
Sampling Method :	APHA 1060B 24th Edition	**Sample Code**	**GFL/W/25/06/21**

Test Method: IS: 6582-1971(Reaffirmed 2003) /APHA 15th Edition

Sr. No.	Concentration of Waste Water Percent (%) / Ratio	Initial			Test Animal Surviving Percent (%)			
		pH	Dissolved Oxygen (DO)ppm	Temperature °C	After 24 hrs.	After 48 hrs.	After 72 hrs.	After 96 hrs.
1.	10	7.10	6.8	27.5	100	100	100	100
2.	18	7.18	6.5	27.8	100	100	100	100
3.	32	7.20	6.7	26.9	100	100	100	100
4.	56	7.15	6.4	27.5	100	100	100	100
5.	100	7.03	6.2	27.2	100	100	100	100

NOTE:

1 Test fish used - Gutter guppies

2.Weight and length of the fish (range) - 1gm to 0.2gm & 5cm to 4 cm

3. Temperature at the time of the test – 27.8

4. Duration of the Test- 96 hrs

5. Content of the test solutions (Sample+ Dilution water)

Dilution water –
1. Calcium chloride solution
2. Magnesium Sulphate solution
3. Sodium bicarbonate solution
4. Potassium Chloride

25 ml/ltr. each

Results: -

100% Effluent Concentration shows 100 % survival at the end of 96hrs

---------- **End of Report** ----------

For Goldfinch Laboratory

Analyzed by	Reviewed by	Authorized by
Priyanka 23/6/25	23/6/25	23/6/25
Name, Sign & Date	Neha S. Apte. Name, Sign & Date (DTM / TM /QM)	Neha S. Apte. Name, Sign & Date (Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/09

Report Ref. No. : GFL/S/R/25/06/03

Report Date: 24.06.2025

Analysis Test Report

Name & Address of the Client :	M/s. Shogun Organics Limited. Kurkumbh		
Date of Sampling :	16.06.2025	Sample Description :	Soil Sample
Date of Receipt of Sample :	17.06.2025	Sample Quantity :	1000 gm
Date of Analysis Started :	17.06.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	24.06.2025	Sample Container :	Polythene Bag
Sampling Plan :	QF/LA/01-B 30.05.25	Sampling Location :	Near ETP
Sampling Method :	GFL/SOP/SOIL-05	Sample Code :	GFL/S/25/06/03
Environmental Condition during analysis : Temperature = 25 ± 2°C		Humidity = 30 to 80 %	

Sr. No.	Parameters	Unit	Results	Test Method Used
1	Total Organic Matter	%	3.82	IS :2720 (Part-22) – 1972 RA-2020
2	Total Organic Carbon	%	2.22	IS :2720 (Part-22) – 1972 RA-2020
3	pH	--	7.16	IS:2720(Part 26):1987 RA -2021
4	Electrical Conductivity (1:2 Soil: Water Extract)	us/cm	125	IS:14767-2000 RA-2021
5	Sodium Absorption Ratio (SAR)	-	2.77	Method - GFL/SOP/SOIL-03:2023)
6	Boron as B (Available)	mg/ kg	3.43	Methods of Soil analysis Part 3 : 2009
7	Total Nitrogen	mg/ kg	222.55	IS:14684-1999 RA 2019
8	Available Phosphorus	mg/ kg	4.50	Methods of Soil analysis Part 3 :2009
9	Bulk Density	g/cm^3	1.084	IS 2720 (Part29):1975, RA-2020
10	Moisture content	%	17.37	IS 2720 (Part2):1973 RA-2020
11	Sodium as Na (Exchangeable)	mg/kg	163.05	Methods of Soil analysis Part 3 : 2009
12	Sodium as Na	mg/kg	429.69	USEPA 3050 B
13	Potassium as K	mg/kg	2339.38	USEPA 3050 B
14	Cation Exchange Capacity	Meq/100g	14.88	USEPA 9080

----------End of Report ----------

For Goldfinch Laboratory

Analyzed by
24/06/25
Pankaj Yadav
Name, Sign & Date

Reviewed by
24/6/25
Neha S. Apte
Name, Sign & Date
(DTM / TM / QM)

Authorized by
24/6/25
Neha S. Apte
Name, Sign & Date
(Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136 / 8097093007
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

TC-11432

QF/LA/09

Report Ref. No. : GFL/S/R/25/06/03 **Report Date: 24.06.2025**

Analysis Test Report

Name & Address of the Client :	**M/s. Shogun Organics Limited. Kurkumbh**		
Date of Sampling :	16.06.2025	**Sample Description :**	Soil Sample
Date of Receipt of Sample :	17.06.2025	**Sample Quantity :**	1000 gm
Date of Analysis Started :	17.06.2025	**Sample Collected by :**	Laboratory
Date of Analysis Completed :	24.06.2025	**Sample Container :**	Polythene Bag
Sampling Plan :	QF/LA/01-B 30.05.25	**Sampling Location :**	Near ETP
Sampling Method :	GFL/SOP/SOIL-05	**Sample Code :**	**GFL/S/25/06/03**
Environmental Condition during analysis : Temperature = 25 ± 2°C		**Humidity = 30 to 80 %**	

Sr. No.	Parameters	Unit	Results	Test Method Used
15	Available Potassium	mg/kg	614.19	Methods of Soil analysis Part 3 :2009
16	Total Phosphorous as P	mg/kg	434.13	Methods of Soil analysis Part 3 :2009
17	Copper as Cu	mg/ kg	94.81	USEPA 3050 B
18	Iron as Fe	mg/kg	>6000	USEPA 3050 B
19	Manganese as Mn	mg/kg	1121.72	USEPA 3050 B
20	Available Manganese as Mn	mg/kg	56.99	Methods of Soil analysis Part 3 : 2009
21	Available Iron as Fe	mg/kg	8.21	Methods of Soil analysis Part 3 : 2009
22	Available copper as Cu	mg/kg	3.56	Methods of Soil analysis Part 3 : 2009
23	Available Zinc as Zn	mg/kg	0.58	Methods of Soil analysis Part 3 : 2009

----------End of Report ----------

For Goldfinch Laboratory

Analyzed by
24/06/25
Pankaj Yadav
Name, Sign & Date

Reviewed by
24/6/25
Neha S. Apte
Name, Sign & Date
(DTM / TM / QM)

Authorized by
24/6/25
Neha S. Apte
Name, Sign & Date
(Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. Sample retaintion is not applicable for Ambient Air, Noise, Stack Samples. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

QCI-NABET accredited EIA consultant
ISO 9001:2015 Certified Company
Certified by ISO 45001 : 2018

QF/LA/09

Report Ref. No. : GFL/S/R/25/06/03 Report Date: 24.06.2025

Analysis Test Report

Name & Address of the Client :	M/s. Shogun Organics Limited. Kurkumbh		
Date of Sampling :	16.06.2025	Sample Description :	Soil Sample
Date of Receipt of Sample :	17.06.2025	Sample Quantity :	1000 gm
Date of Analysis Started :	17.06.2025	Sample Collected by :	Laboratory
Date of Analysis Completed :	24.06.2025	Sample Container :	Polythene Bag
Sampling Plan :	QF/LA/01-B 30.05.25	Sampling Location :	Near ETP
Sampling Method :	GFL/SOP/SOIL-05	Sample Code :	GFL/S/25/06/03
Environmental Condition during analysis : Temperature = 25 ± 2°C		Humidity = 30 to 80 %	

Sr. No.	Parameters	Unit	Results	Test Method Used
1	Water Holding Capacity	%	49.77	Manual for soil testing DAC -MOA,GOI
2	Calcium as Ca	mg/ kg	319.23	APHA 3500 Ca B (24th edition)
3	Magnesium as mg	mg/ kg	71.83	APHA 3500 Mg B (24th edition)

----------End of Report ----------

For Goldfinch Laboratory

Analyzed by
24/06/25
Pankaj Yadav
Name, Sign & Date

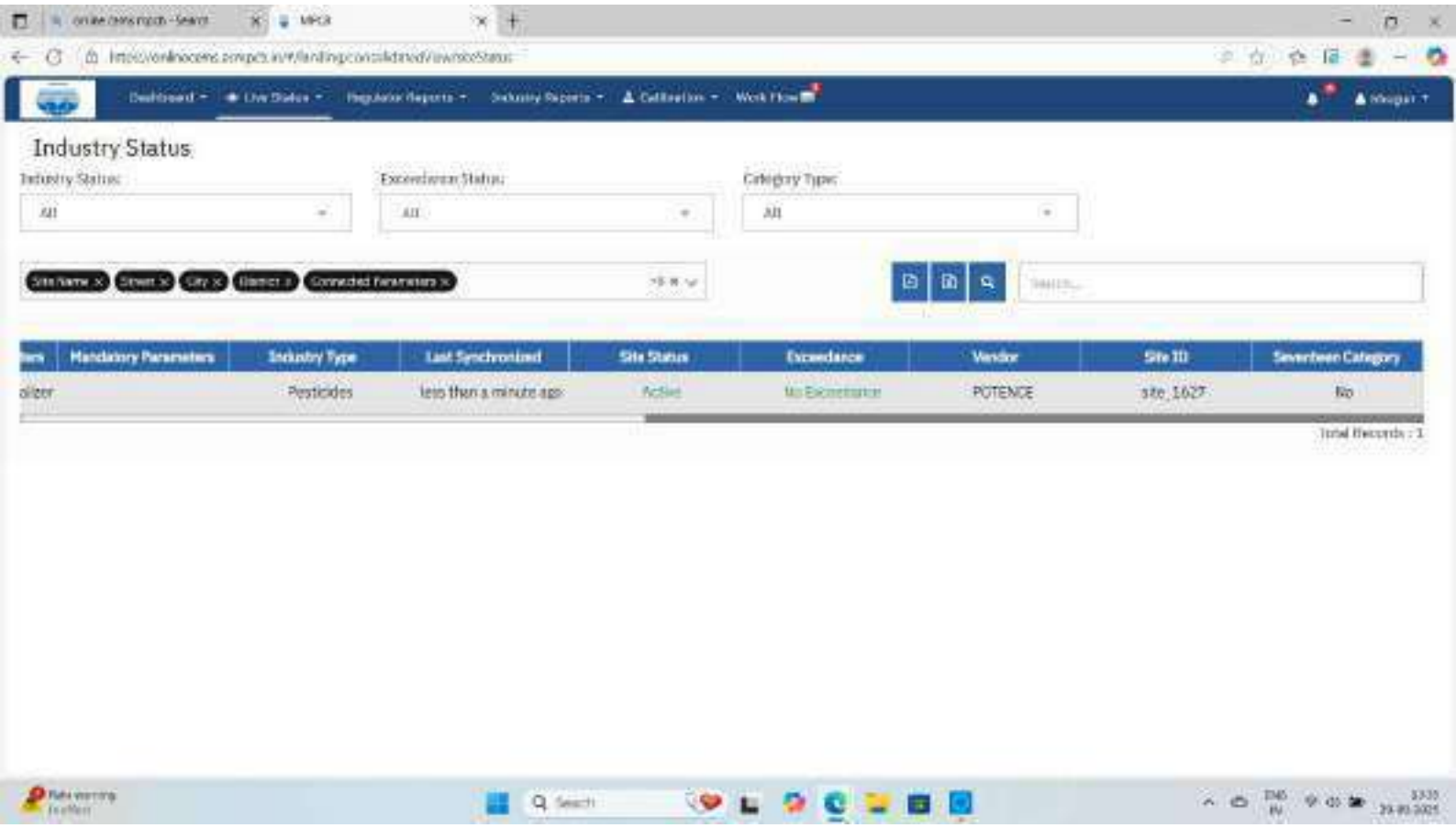
Reviewed by
24/6/25
Neha S. Apte.
Name, Sign & Date
(DTM / TM / QM)

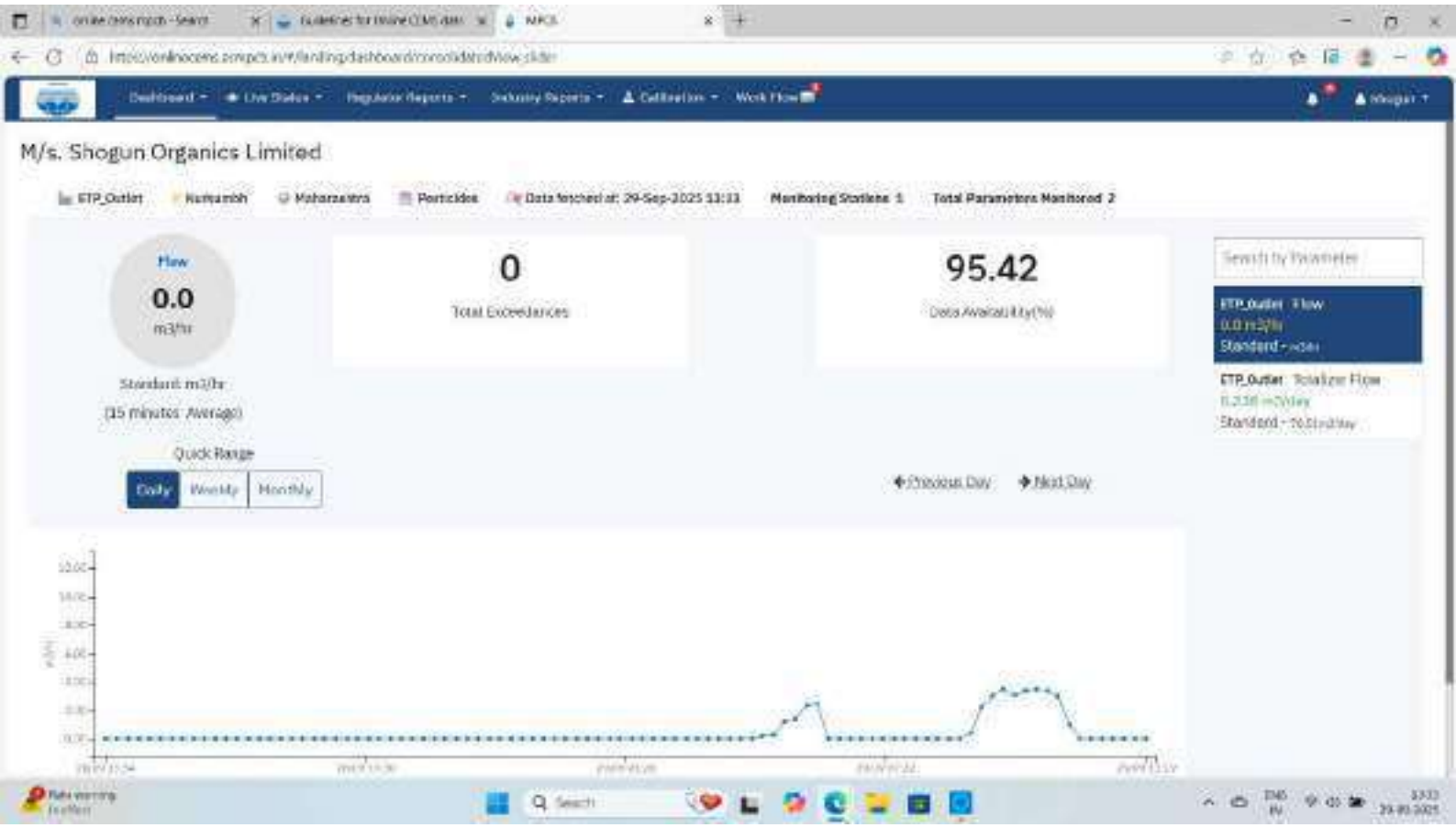
Authorized by
24/6/25
Neha S. Apte.
Name, Sign & Date
(Authorized Signatory TM / QM)

Note : 1. Test results related only to the sample(s) tested. 2. This Certificate may not be reproduced in full or part, without the permission of this Laboratory. 3. Samples will be retained by us for a period of fifteen days only, unless specific instructions are given by the client. 4. Goldfinch Lab is not responsible for the authenticity of photocopies or computer scanned reports / certificates.

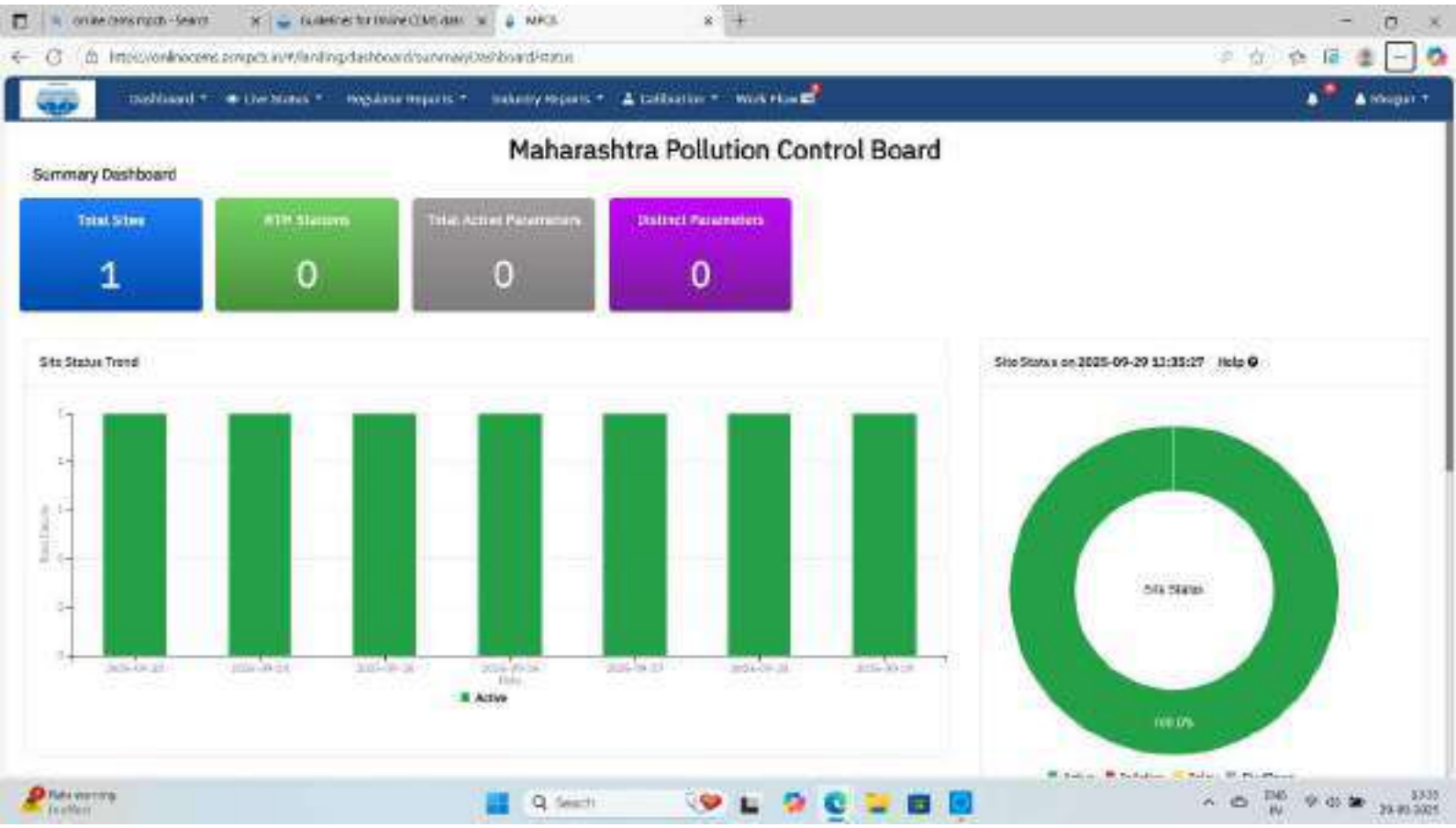
8.

OCMS Screenshots for Stacks Emissions & Effluent


Dashboard
Live Status
Regulator Reports
Industry Reports
Calibration
Work Flow
Industry Status
Industry Status:
All
Exceedance Status:
All
Category Type:
All
Site Name
Stream
City
District
Connected Parameters
Mandatory Parameters
Industry Type
Last Synchronized
Site Status
Exceedance
Vendor
Site ID
Seventeen Category
Pesticides
less than a minute ago
Active
No Exceedance
POTENCE
site_1627
No
Total Records : 1


Dashboard
Live Status
Regulator Reports
Industry Reports
Calibration
Work Flow
M/s. Shogun Organics Limited
ETP_Outlet
Maharashtra
Pesticides
Monitoring Stations: 1
Total Parameters Monitored: 2
Flow
0.0
m3/hr
Standard: m3/hr
(15 minutes Average)
0
Total Exceedances
95.42
Quick Range
Daily
Weekly
Monthly
Previous Day
Next Day


Dashboard
Live Status
Regulator Reports
Industry Reports
Calibration
Work Flow
M/s. Shogun Organics Limited
ETP_Outlet
Maharashtra
Pesticides
Monitoring Stations: 1
Total Parameters Monitored: 2
Flow
0.0
m3/hr
Standard: m3/hr
(15 minutes Average)
0
Total Exceedances
43.79
Quick Range
Daily
Weekly
Monthly
Previous Day
Next Day


Maharashtra Pollution Control Board
Summary Dashboard
Total Sites
1
0
0
0
Site Status Trend
Site Status on 2025-09-29 11:35:27
Help
Site Status
100.0%
Active

9.

Form VII- Health Register

1

FORM

[See rule18(7)] and Schedule II,III,IV,VI, VIII,X,

HEALTH

(In respect of persons employed in occupations.)

Name of Certifying Surgeon : Dr.Sameer S.Kulkarni

Company Nam Shogun Organics Limited,
Kurkumbh MIDC

COMPANY

Sr.No	Works No	Name of Worker	Sex	Age(last birth-day)	Date of employme- nt of present work	Date of leaving or transf	Reason for leaving Transf	Nature of job or occupation
1	2	3	4	5	6	7	8	9
1	SOL00106	MR DNYANESHWAR JAGDHANE	M	30	12.01.2024	NA	NA	STORE
2	SOL00023	MR RAMESH LAD	M	58	17.01.2014	NA	NA	Q.C
3	SOL00123	MR KHIMABHAI CHANPA	M	34	02.08.2024	NA	NA	Eletrical
4	SOL00060	MR APPASAHEB GAJARE	M	31	12.04.2022	NA	NA	QC
5	SOL00067	MR SUJEET R DAS	M	50	21.09.2022	NA	NA	PRODUCTION
6	SOL00071	MR TUSHAR RANDHAVAN	M		01.11.2022	NA	NA	R&D
7	SOL00102	MR SUDHIR MULEY	M	55	13.10.2023	NA	NA	R&D
8		MR SACHIN GAWADE	M	28	24.01.2025	NA	NA	Account Assistant
9	SOL00031	MR HARI KRUSHAN	M	46	04.10.2020	NA	NA	R&D
10	SOL00014	MR YOGESH HANDE	M	39	01.02.2012	NA	NA	PRODUCTION
11	SOL00105	MR MRITYNJAI SHUKLA	M	43	08.01.2024	NA	NA	R&D
12	SOL00047	MR PRASHANT SANATAN	M	40	13.05.2022	NA	NA	QC
13	SOL00127	MR SACHIN KALDANTE	M	45	01.10.2024	NA	NA	STORE
14	SOL00081	PRAMOD JADHAV	M	25	19.01.2023	NA	NA	R&D
15	SOL00124	MR AMOL SHINGADE	M		12.08.2024	NA	NA	PRODUCTION
16	SOL00126	MR VINOD BARKADE	M	31	03.10.2024	NA	NA	CIVIL
17	SOL00025	MR VISHAL DESHMUKH	M	35	14.10.2016	NA	NA	QC
18		MR UTKARSH PAWAR	M	31	03.03.2025	NA	NA	ETP
19	SOL00091	MR MAMA BAPU JAVIR	M	39	17.04.2023	NA	NA	PRODUCTION
20	SOL00090	MR AMOL ANAND SAKPAL	M	31	10.04.2023	NA	NA	ENGINEERING
21	SOL00019	MR NITIN F HAJBE	M	40	02.03.2013	NA	NA	PRODUCTION
22	SOL00119	MR TANAJI ATOLE	M		29.07.2024	NA	NA	MAINTANCE
23	SOL00018	MR MALHARI BHAGWAT	M	53	01.01.2013	NA	NA	STORE
24	SOL00011	MR LAXMAN BANKAR	M	55	01.10.2010	NA	NA	PRODUCTION
25	SOL00058	MR ANIKET NIMBALKAR	M	28	01.06.2022	NA	NA	QC
26	SOL00017	MR SHARAD DAREKAR	M	32	04.11.2012	NA	NA	PRODUCTION
27	SOL00101	MR ONKAR TAMGAVE	M	29	10.10.2023	NA	NA	EHS
28	SOL00115	MR SACHIN DORGE	M	30	02.06.2024	NA	NA	MAINTANCE
29		MR ANAND KUMAR TIWARI	M	38	12.02.2025	NA	NA	PRODUCTION
30	SOL00108	MR ABHIJEET VANVE	M	26	15.02.2024	NA	NA	R&D
31		MR MANGESH SHIDGUR	M	31	30.01.2025	NA	NA	R&D
32	SOL00015	MR BAJRAG SURYAWANSHI	M	55	03.02.2012	NA	NA	EHS

XI,XIII, XIV, XV, XVII, XVIII and XX to rule 114

REGISTER

declared to be dangerous operations under section 87)

(a) Mr. ...... NA

From ....to...

(a) Mr........ NA

From ....to...

(a) Mr........ NA

From ....to...

Raw material or bye product handled	Date of medical Examination by Certifying Surgeon	Result of Medical Examination	If suspended from work	Certified fit to resume duty with	If certificate of unfitness or	Singature with date of certifying surgeon
10	11	12	13	14	15	16
Annexure	25.03.2025	Fit For Duty	NA	NA	NA	
Attached	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	

DR. SAMEER S. KULKARNI
Kulkarni Medical Foundation Pyramid Hospital
Daund Dist-Pune-413801
Authorised Certifying Surgeon No.ACS24-SK/2019
As per Section 10(2) of the Factories Act 1948)
For Pune District Form 15 Sept 2023 to 14 Sept 2025

Note:- (i)Column 8 - Detailed summary of reason for transfer or discharge should be stated

(ii)Column 11 - should be expressed as fit / unfit/ suspended

3

FORM

[See rule18(7)] and Schedule II,III,IV,VI, VIII,X,

HEALTH

(In respect of persons employed in occupations.)

Name of Certifying Surgeon : Dr.Sameer S.Kulkarni

Company Name Shogun Organics Pvt Ltd.
Kurkumbh MIDC

COMPANY

Sr.No	Works No	Name of Worker	Sex	Age(last birth-day)	Date of employme- nt of present work	Date of leaving or transfer to other	Reason for leaving Transfer or	Nature of job or occupation
1	2	3	4	5	6	7	8	9
33	SOL00038	MR AJAY MOHITE	M	37	14.06.2021	NA	NA	STORE
34	SOL00054	MR MAHESH SHELAR	M	27	22.05.2022	NA	NA	QC
35	SOL00088	MR SANTOSH ARUN VAZARKAR	M	42	03.04.2023	NA	NA	ETP
36	SOL00118	MR RAM KESHAV THORAT	M	27	26.07.2024	NA	NA	ETP
37	SOL00066	MR KISHOR KASHID	M	32	09.09.2022	NA	NA	R&D
38	SOL00094	MR SANTOSHKUMAR PANDA	M	43	22.05.2023	NA	NA	OPRETION
39	SOL00125	MR SANDIP KOTHIMBIRE	M	34	20.08.2024	NA	NA	SEFTY
40	SOL00021	MR RAJENDRA NAROTE	M	49	01.04.2013	NA	NA	R&D
41	SOL00064	MR KANTILAL SHINDE	M	36	02.09.2022	NA	NA	PRODUCTION
42	SOL00032	MR BHANOBA GAIKWAD	M	54	12.12.2020	NA	NA	ADMIN
43	SOL00042	MR SAURABH SHITOLE	M	28	19.10.2021	NA	NA	ELECTRIC
44	SOL00055	MR ROHIDAS PUNEKAR	M	48	27.05.2022	NA	NA	BOILER
45	SOL00096	MR AMOL GAIKWAD	M	42	03.06.2023	NA	NA	MAINT
46	SOL00045	MR SACHIN GAWADE	M	31	01.02.2022	NA	NA	PRODUCTION
47	SOL00024	MR PRAKASH JAGTAP	M	46	01.02.2015	NA	NA	PRODUCTION
48	SOL00069	MR ADITYA RANDHAVE	M	23	19.10.2025	NA	NA	PRODUCTION
49	SOL00009	MR NITIN GAIKWAD	M	40	01.11.2028	NA	NA	ELECTRIC
50	SOL00026	MR NITIN SHITOLE	M	42	01.03.2017	NA	NA	ELECTRIC
51	SOL00043	MR PRATIK CHAVHAN	M	26	01.11.2021	NA	NA	MAINT
52	SOL00063	MR MEGHRAJ DADHE	M	35	16.08.2022	NA	NA	ETP
53	SOL00037	MR NIKHIL SHINDE	M	28	01.06.2021	NA	NA	MAINT
54	SOL00082	MR NIKHIL JAMBLE	M	28	20.01.2023	NA	NA	PLANT 3
55	SOL00049	MR GAUTAM SHINDE	M	36	15.02.2022	NA	NA	PRODUCTION
56	SOL00008	MR ABASO SHITOLE	M	45	02.05.2007	NA	NA	MAINT
57	SOL00016	MR SANJAY PASALKAR	M		21.09.2012	NA	NA	ELECTRIC
58	SOL00079	MR SANJAY KHOMANE	M		02.01.2023	NA	NA	BOILER
59	SOL00046	MR SHUBHAM BHUTKE	M	26	02.01.2022	NA	NA	PRODUCTION
60	SOL00097	MR BABASAHEB KHARADE	M	29	13.06.2023	NA	NA	PLANT 1
61	SOL00051	MR RAMCHANDRA MANE	M	26	25.03.2025	NA	NA	MAINT
62	SOL00048	MR SHANTANU GIRAME	M	23	15.05.2022	NA	NA	PRODUCTION
63	SOL00074	MR GANESH POTE	M	27	01.01.2022	NA	NA	ETP
64	SOL00039	MR MARUTI SHENDGE	M	29	01.08.2021	NA	NA	STORE
65	SOL00099	MR SHRIKANT VIDHATE	M	26	11.07.2023	NA	NA	PRODUCTION
66	SOL00053	MR RAJU GHULE	M	32	15.05.2022	NA	NA	PRODUCTION
67	SOL00005	MR OMPRAKASH PAL	M		25.07.2004	NA	NA	PRODUCTION

XI,XIII, XIV, XV, XVII, XVIII and XX to rule 114

REGISTER

declared to be dangerous operations under section 87)

(a) Mr. ...... NA

From ....to..

(a) Mr........ NA

From ....to..

(a) Mr........ NA

From ....to..

Raw material or bye product handled	Date of medical Examination by Certifying	Result of Medical Examination	If suspended from work	Certified fit to resume duty	If certificate of unfitn	Singature with date of certifying surgeon
10	11	12	13	14	15	16
Annexure	25.03.2025	Fit For Duty	NA	NA	NA	
Attached	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	DR. SAMEER S. KULKARNI Kulkarni Medical Foundation Pyramid Hospital Daund Dist-Pune-413801 Authorised Certifying Surgeon No.ACS24-SK/2019 (As per Section 10(2) of the Factories Act 1948.) For Pune District Form 15 Sept 2023 to 14 Sept 2025
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	
	25.03.2025	Fit For Duty	NA	NA	NA	

Note:- (i)Column 8 - Detailed summary of reason for transfer or discharge should be stated.

(ii)Column 11 - should be expressed as fit / unfit/ suspended

1

FORM

[See rule18(7)] and Schedule II,III,IV,VI, VIII,X,

HEALTH

(In respect of persons employed in occupations.)

Name of Certifying Surgeon : Dr.Sameer S.Kulkarni

Company Name: SHOGUN ORGANIC PVT LTD, DAUND
KURKUMBH MIDC, KURKUMBH.

CONTRACT EMP

Sr.No	Works No	Name of Worker	Sex	Age(last birth-day)	Date of employme-nt of present work	Date of leaving or transfer to other work	Reason for leaving Transfer or disch	Nature of job or occupation
1	2	3	4	5	6	7	8	9
1	SOL00072	MR ANIKET PAWAR	M	27	01.07.2022	NA	NA	ELCT.
2	SOL00032	MR BHANOBA GAIKWAD	M	52	12-01-1900	NA	NA	GARDNER
3	SOL00024	MR PRAKASH JAGTAP	M	47	01.12.2015	NA	NA	PRODUCTION
4	SOL00026	MR NITIN SHITOLE	M	42	01.03.2017	NA	NA	ELCT.
5	SOL00005	MR OM PRAKASH PAL	M	49	25.07.2004	NA	NA	PRODUCTION
6	SOL00079	MR SANJAY KHOMANE	M	47	02/01.2023	NA	NA	BOILER
7	SOL00069	MR ADITYA RANDHAVE	M	22	19.10.2022	NA	NA	PRODUCTION
8	SOL00069	MR TUSHAR DASWANT	M	38	01.10.2005	NA	NA	PRODUCTION
9	SOL00021	MR RAJENDRA NAROTE	M	48	01.04.2013	NA	NA	R & D LAB
10	SOL00082	MR NIKHIL JAMBLE	M	28	20.01.2023	NA	NA	PRODUCTION
11	SOL00063	MR MEGHRAJ DUDHE	M	32	16.08.2022	NA	NA	ETP
12	SOL00039	MR MARUTI SHE[redacted]	M	29	01.08.2021	NA	NA	PRODUCTION
13	SOL00077	MR VISHAL KHOMANE	M	25	02.01.2023	NA	NA	PRODUCTION
14	SOL00008	MR ABASO SHITOLE	M	45	02.05.2007	NA	NA	MAINT.
15	SOL00037	MR NIKHIL SHINDE	M	27	01.08.2021	NA	NA	MAINT.
16	SOL00010	MR SUNIL BURANGE	M	34	15.12.2008	NA	NA	PRODUCTION
17	SOL00016	MR SANJAY PASALKAR	M	39	21.09.2012	NA	NA	ELCT.
18	SOL00029	MR NAMDEO SONAWANE	M	57	03.01.2020	NA	NA	PRODUCTION
19	SOL00097	MR BABASAHEB KHARADE	M	28	13.06.2023	NA	NA	PRODUCTION
20	SOL00057	MR POPAT DHAIGUDE	M	34	12.06/2022	NA	NA	BOILER
21	SOL00075	MR AMOL UDAGIRE	M	28	02.01.2023	NA	NA	ETP
22	SOL00040	MR SWAPNIL JAVAK	M	28	01.08.2020	NA	NA	PRODUCTION
23	SOL00068	MR PRASHANT GHOLAP	M	28	14.10.2022	NA	NA	PRODUCTION

XI,XIII, XIV, XV, XVII, XVIII and XX to rule 114

REGISTER

declared to be dangerous operations under section 87)

(a) Mr. .... NA

From ....to..

(a) Mr.......... NA

From ....to..

(a) Mr.......... NA

From ....to..

Raw material or bye product handled	Date of medical Examination by Certifying Surgeon	Result of Medical Examination	If suspended from work state period of	Certified fit to resume duty with signature of	If certificate of unfitness or suspension	Singature with date of certifying surgeon
10	11	12	13	14	15	16
Annexure	23.12.2024	Fit For Duty	NA	NA	NA	
Attached	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	

DR. SAMEER S. KULKARNI
Lokmanya Medical Foundation Pyramid Hospital
Daund Dist-Pune-413801
Authorised Certifying Surgeon No.ACS24-SK/2019
(Under Section 10(2) of the Factories Act 1948.)
For Pune District Form 15 Sept 2023 to 14 Sept 2025

Note - (i)Column 8 - Detailed summary of reason for transfer or discharge should be stated.

(ii)Column 11 - should be expressed as fit / unfit/ suspended

1

FORM

[See rule18(7)] and Schedule II,III,IV,VI, VIII,X,

HEALTH

(In respect of persons employed in occupations.)

Name of Certifying Surgeon : Dr. Sameer S. Kulkarni

Company Name: SHOGUN ORGANIC PVT LTD, DAUND
KURKUMBH MIDC, KURKUMBH.

COMPANY EMP

Sr.No	Works No	Name of Worker	Sex	Age(last birth-day)	Date of employme-nt of present work	Date of leaving or transfer to other work	Reason for leaving Transfer or discharge	Nature of job or occupation
1	2	3	4	5	6	7	8	9
1	SOL00128	MR VINOD BARKADE	M	31	03.10.2024	NA	NA	CIVIL ENG.
2	SOL00025	MR VISHAL DESHMUKH	M	35	14.10.2016	NA	NA	Q.C LAB
3	SOL00047	MR PRASHANT SANATAN	M	39	13.05.2022	NA	NA	Q.C LAB
4	SOL00031	MR HARI KRASHAN	M	45	03.02.2020	NA	NA	R &D LAB
5	SOL00098	MR RAMCHANDRA PAWAR	M	30	20.06.2023	NA	NA	PRODUCCTION
6	SOL00023	MR RAMESH LAD	M	59	16.01.2024	NA	NA	Q.C LAB
7	SOL00067	MR SUJEET RANJAN DAS	M	50	21.09.2021	NA	NA	PRODUCCTION
8	SOL00088	MR SANTOSH VAZARKAR	M	42	03.04.2023	NA	NA	ETP
9	SOL00014	MR YOGESH HANDE	M	39	01.02.2012	NA	NA	PRODUCCTION
10	SOL00019	MR NITIN HAJBE	M	40	01.03.2013	NA	NA	PRODUCCTION
11	SOL00089	MR VIJAY KAKADE	M	30	14.10.2016	NA	NA	PRODUCCTION
12	SOL00109	MR ANANT SINARE	M	31	07.03.2024	NA	NA	PRODUCCTION
13	SOL00105	MR MRITYUNJAY SHUKLA	M	42	08.01.2024	NA	NA	R &D LAB
14	SOL00081	MR PRAMOD PHOPSE	M	30	10.04.2024	NA	NA	PRODUCCTION
15	SOL00091	MR MAMA JAVIR	M	39	17.04.2023	NA	NA	PRODUCCTION
16	SOL00018	MR MALHARI BHAGWAT	M	53	01.01.2013	NA	NA	STORE
17	SOL00125	MR SANDIP KOTHIMBIRE	M	34	20.06.2024	NA	NA	EHS
18	SOL00087	MR SAGAR DEORE	M	26	25.03.2023	NA	NA	PRODUCCTION
19	SOL00058	MR ANIKET NIMBALKAR	M	27	01.07.2022	NA	NA	Q.C LAB
20	SOL00054	MR MAHESH SHELAR	M	26	16.05.2022	NA	NA	Q.C LAB
21	SOL00090	MR AMOL SAPKAL	M	31	10.04.2024	NA	NA	MAINT.
22	SOL00110	MR AKSHAY JADHAV	M	27	01.07.2022	NA	NA	R &D LAB
23	SOL00119	MR TANAJI ATOLE	M	32	28.07.2024	NA	NA	MAINT.
24	SOL00104	MR PRAVIN CHANDE	M	28	05.01.2024	NA	NA	PRODUCCTION
25	SOL00017	MR SHARAD DAREKAR	M	32	04.11.2012	NA	NA	PRODUCCTION
26	SOL00015	MR BAJRANG SURYAWANSHI	M	55	03.02.2012	NA	NA	EHS
27	SOL00113	MR SUSHANT ATOLE	M	27	22.02.2024	NA	NA	MAINT.
28	SOL00101	MR OMKAR TAMGAVE	M	28	10.10.2023	NA	NA	EHS
29	SOL00038	MR AJAY MOHITE	M	36	14.06.2021	NA	NA	STORE
30	SOL00118	MR RAM THORAT	M	27	26.07.2024	NA	NA	ETP
31	SOL00060	MR AJIT NIMBALKAR	M	25	16.01.2023	NA	NA	Q.C LAB
32	SOL00070	MR GANESH JADHAV	M	25	01.11.2022	NA	NA	R &D LAB
33	SOL00059	MR AKASH JADHAV	M	26	01.07.2022	NA	NA	R &D LAB
34	SOL00117	MR SAMIR NIMBALKAR	M	30	08.07.2024	NA	NA	ETP
35	SOL00115	MR SACHIN DORGE	M	31	02.06.2024	NA	NA	MAINT.
36	SOL00123	MR KHIMABAI CHAMPA	M	34	02.08.2024	NA	NA	ELECT.
37	SOL00061	MR RANJIT KHOMANE	M	26	12.08/2022	NA	NA	HR

XI,XIII, XIV, XV, XVII, XVIII and XX to rule 114

REGISTER

declared to be dangerous operations under section 87)

(a) Mr. .... NA

From ....to...

(a) Mr.......... NA

From ....to...

(a) Mr.......... NA

From ....to...

Raw material or bye product handled	Date of medical Examination by Certifying Surgeon	Result of Medical Examination	If suspended from work state period of	Certified fit to resume duty with signa	If certificate of unfitness or susp	Singature with date of certifying surgeon
10	11	12	13	14	15	16
Annexure	23.12.2024	Fit For Duty	NA	NA	NA	
Attached	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	DR. SAMEER S. KULKARNI
	23.12.2024	Fit For Duty	NA	NA	NA	Kulkarni Medical Foundation Pyramid Hospital
	23.12.2024	Fit For Duty	NA	NA	NA	Daund Dist-Pune-413801.
	23.12.2024	Fit For Duty	NA	NA	NA	Authorised Certifying Surgeon No AC524-SK/2019
	23.12.2024	Fit For Duty	NA	NA	NA	(As per Section 10(2) of the Factories Act 1948)
	23.12.2024	Fit For Duty	NA	NA	NA	For Pune District Form 15 Sept 2023 to 14 Sept 2025
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	
	23.12.2024	Fit For Duty	NA	NA	NA	

Note:- (i)Column 8 - Detailed summary of reason for transfer or discharge should be stated.

ii) Column 11 - should be expressed as fit / unfit/ suspended

10.

MIDC Water Bills Apr. 2025 to Sept. 2025

Maharashtra Industrial Development Corporation GST NO: 27AAACM3560C12V Original for Recipient
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973) PAN NO: AAACM3560C Duplicate for Supplier
Water Bill IRN NO: a3ae04df86b16fea836ad9eef265c6ea7248b94197c5202a9dfc23a6d3d019ad

Consumer No: DV007/52KUR/510 **Kurkumbh (Daud)** Bill No: SI26000106422
Cust GST/ PAN No: 27AAACS6067N1ZU/AAACS6067N **Issued Date: 08-05-2025** **Month/Year:** April,2025

SHOGUN ORGANICS LTD. M.I.D.C Kurkumbh.	Consumer Type: 1C1 Plot / Shed Area: 106,384.00 Plot / Shed No: D-18 Block No: Zone: 10 Pending Cap. Contri:	Meter Size: 40 Min. Qty/ Day: 20.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Standing Charge:	Deposit Amount 169,435.00	Initial/Addl SD/ Refund SD

Bcc: Yes Office Order : E-000270 DT.10/12/2019dt. 10-12-2019 End Dt CarpetArea: 0.00
CETP: No Order No : MIDC\52 Dated : 01-09-2011
Env. No Builtup Area : 106,384.00 SSI : N ETP : N CETP : N MPCB : N

## Previous Balance		# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00	+	287,641.00	=	287,641.00	3,249.00	22-05-2025

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
120326 40	19315	31-03-2025	23269	30-04-2025	3954	
	0		0		0.00	

Charges Code	REGULAR				
	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT # LAST MONTH	PREVIOUS ##	
CGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	1,596.00	0.00	380.00	0.00	999129 CGST @9.00%
SGST-Fire Charge	1,596.00	0.00	380.00	0.00	999129 SGST @9.00%
CGST-Drainage Charge	1,957.00	0.00	57.00	0.00	999190 CGST @9.00%
SGST-Drainage Charge	1,957.00	0.00	57.00	0.00	999190 SGST @9.00%
CGST-CETP Run by MIDC	7,117.00	0.00	208.00	0.00	999233 CGST @9.00%
SGST-CETP Run by MIDC	7,117.00	0.00	208.00	0.00	999233 SGST @9.00%
Water Charges_L	67,218.00	0.00	0.00	0.00	2001 GST @ 0.00% 17.30*3,954.00*1
Service Charges	26,595.00	0.00	0.00	0.00	998599 GST @ 18.00% (Pt = 106,384.00 * 5% * 2.00 * FSI = 1.00) / 12
Fire Charges	17,731.00	0.00	4,217.00	0.00	999126 GST @ 18.00% (106,384.00 * 2.00) / 12
Drainage Charges	21,747.00	0.00	634.00	0.00	999480 GST @ 18.00% Water : 3,954.00 * Rt = 0.50
CETP Run By MIDC	118,620.00	0.00	3,460.00	0.00	999439 GST @ 12.00% on 20.00*3,954.00*100.00*1%
TOTAL	278,040.00	0.00	9,601.00	0.00	

LAST PAYMENT DETAILS

Receipt No.	Date	Amount
26KUR00000121	17-04-2025	558,689.00
26KUR00000152	23-04-2025	306,281.00
RevC260000309	17-04-2025	-558,689.00
26KUR00000014	08-04-2025	252,408.00

DEPUTY ENGINEER M.I.D.C.

Rupees : **Two Lakh Eighty Seven Thousand Six Hundred and Forty One Only**

For Online Payment visit MIDC web site www.midcindia.org and use Consumer No: DV007/52KUR/510

Cheque / DD / PO should be drawn in favour of Executive Engineer MIDC Baramati. Payment Timings : 10.30.00 am to 01.30.00 pm, except Saturdays, Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Pune No.

* Please submit your official GST No.,email and phone no while paying this bill at receipt counter.
* If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
* All Online, NEFT/RTGS payments shall be made through MIDC's Web Site only.

Checked By
Sign
Name :- Ranjeet R K Nalmane
Date : 12/05/25

Approved By
Sign
Name - Santosh Kumar Panda.
Date - 12/05/25

Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C

Original for receipent
Duplicate for Supplier

Water Bill _ Provisional

IRN NO: 57df33a3e03122c64886625a725846182532dd0dee823d916788dba35049b2a6

Consumer No: DV007/52KUR/510 — **Kurkumbh (Daud)** — Bill No: SI26000153241
Cust GST/ PAN No: 27AAACS6067N1ZU/AAACS6067N — Issued Date: **03-06-2025** — Month/Year: May,2025

SHOGUN ORGANICS LTD. M.I.D.C.Kurkumbh.	Consumer Type: 1C1 Plot / Shed Area: 106.384.00 Plot / Shed No: D-18 Block No: Zone: 10 Pending Cap. Contri.:	Meter Size: 40 Min. Qty/ Day: 20.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Standing Charge:	Deposit Amount 169,435.00 Initial/Addl.SD/ Refund SD

Boc: Yes — Office Order : E-000270 DT 10/12/2019dt: 10-12-2019 End Dt — CarpetArea: 0.00
CETP: No — Order No : MIDC\52 Dated : 01-09-2011
Env: No — Builtup Area : 106.384.00 — SSI : N — ETP : N — CETP : N — MPCB : N

## Previous Balance		# Current Charges		Amount Due Before Due Date	DPC Amount	Due Date
0.00	+	206,840.00	=	206,840.00	2,242.00	17-06-2025

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
320326 40	23269	30-04-2025	26144	31-05-2025	2875	
	0		0		0.00	

Charges Code	REGULAR CHARGES CURRENT #	CHARGES PREVIOUS ##	DPC CURRENT # LAST MONTH	DPC PREVIOUS ##	
CGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	1,596.00	0.00	0.00	0.00	999126 CGST @9.00%
SGST-Fire Charge	1,596.00	0.00	0.00	0.00	999126 SGST @9.00%
CGST-Drainage Charge	1,423.00	0.00	0.00	0.00	999490 CGST @9.00%
SGST-Drainage Charge	1,423.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-CETP Run by	5,175.00	0.00	0.00	0.00	999433 CGST @6.00%
SGST-CETP Run by	5,175.00	0.00	0.00	0.00	999433 SGST @6.00%
Water Charges	46,875.00	0.00	0.00	0.00	2201 GST @ 9.00% 17.00*2,875.00*1
Adj. Water Charge	-9,601.00	0.00	0.00	0.00	MAR-25 WATER BILL PAID BEFORE DUE DATE
Service Charges	26,596.00	0.00	0.00	0.00	998596 GST @ 18.00% (*R = 106,384.00 * RI = 3.00 * FS = 1.00 / 12
Fire Charges	17,731.00	0.00	0.00	0.00	999126 GST @ 18.00% (106,384.00 * 2.00/12
Drainage Charges	15,813.00	0.00	0.00	0.00	998490 GST @ 18.00% Wb = 2,875.00 * RI = 5.50
CETP Run By MIDC	86,250.00	0.00	0.00	0.00	998433 GST @ 12.00% (R 30.00*2,875.00*100.00*%
TOTAL	206,840.00	0.00	0.00	0.00	

Checked By
Sign - Ranjeet R Kamble.
Name - Ranjeet R Kamble
Date 14/06/2025

Approved By
Sign.
Name S.K. Pawar
Date 14/06/25

LAST PAYMENT DETAILS — Receipt No, 26KUR00000236, Date, 16-05-2025, Amount 287,641.00

DEPUTY ENGINEER M.I.D.C.

Rupees : **Two Lakh Six Thousand Eight Hundred and Forty Only**

For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV007/52KUR/510

Cheque / DD/ PO should be drawn in favour of Executive Engineer MIDC Baramati
Payment Timings : 10.30.00 am to 01.30.00 pm, except Saturdays Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC Phone No

* Please submit your official GST No.,email and phone no while paying this bill at receipt counter.
* If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
* All Online, NEFT/RTGS payments shall be made through MIDC's Web Site only.

Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)
Water Bill _ Provisional

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C
IRN NO: 50f566190741bf36f3a78551f8f6cdf6fbafb5c41537ca353ef49b6f608c2fb6

Original for recepient
Duplicate for Supplier

New Consumer No: 1051000052
Cust GST/ PAN No: 27AAACS6067N1ZU/AAACS6067N

Kurkumbh (Daud)
Issued Date: 11-07-2025

Bill No: SI26000269763
Month/Year: June,2025

SHOGUN ORGANICS LTD M.I.D.C.Kurkumbh.	Consumer Type: 1C1 Plot / Shed Area: 106,384.00 Plot / Shed No: D-18 Block No: Zone: 10 Pending Cap. Contri.:	Meter Size: 40 Min. Qty/ Day: 20.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Standing Charge:	Deposit Amount 169,435.00 Initial/Addl.SD/ Refund SD

Bcc: Yes Office Order : E-000270 DT.10/12/2019dt: 10-12-2019 End Dt CarpetArea: 0.00
CETP: No Order No : MIDC\52 Dated : 01-09-2011
Env: No Builtup Area : 106,384.00 SSI : N ETP : N CETP : N MPCB : N

## Previous Balance		# Current Charges		Amount Due Before Due Date	DPC Amount	Due Date
0.00	+	206,378.00	=	206,378.00	2,249.00	25-07-2025

Meter No / Size	Previous Reading	Previous Date	Current Reading	Current Date	Water Quantity Cubic Meter	Remarks (If Any)
320326 40	26144	31-05-2025	28840	30-06-2025	2696	
	0		0		0.00	

REGULAR

Charges Code	CHARGES CURRENT #	CHARGES PREVIOUS ##	DPC CURRENT # LAST MONTH	DPC PREVIOUS ##	
CGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	1,596.00	0.00	0.00	0.00	999128 CGST @9.00%
SGST-Fire Charge	1,596.00	0.00	0.00	0.00	999128 SGST @9.00%
CGST-Drainage Charge	1,335.00	0.00	0.00	0.00	999490 CGST @9.00%
SGST-Drainage Charge	1,335.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-CETP Run by MIDC	4,853.00	0.00	8.00	0.00	999433 CGST @6.00%
SGST-CETP Run by MIDC	4,853.00	0.00	8.00	0.00	999433 SGST @6.00%
Water Charges	45,832.00	0.00	0.00	0.00	2201 GST @ 0.00% 17.00*2,696.00*1
Service Charges	26,596.00	0.00	0.00	0.00	998599 GST @ 18.00% (Pl = 106,384.00 * Rt = 3.00 * FSI = 1.00)/ 12
Fire Charges	17,731.00	0.00	0.00	0.00	999128 GST @ 18.00% (106,384.00 * 2.00)/12
Drainage Charges	14,828.00	0.00	0.00	0.00	999490 GST @ 18.00% Wr = 2,696.00 * Rt = 5.50
CETP Run By MIDC	80,880.00	9,601.00	139.00	0.00	999433 GST @ 12.00% rt= 30.00*2,696.00*100.00*%
Adj. Water Charge	0.00	-9,601.00	0.00	0.00	
TOTAL	206,223.00	0.00	155.00	0.00	

LAST PAYMENT DETAILS	Receipt No.	Date.	Amount
	26KUR00000492,	17-06-2025,	206,840.00

DEPUTY ENGINEER M.I.D.C.

Rupees : **Two Lakh Six Thousand Three Hundred and Seventy Eight Only**

For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV007/52KUR/510

Cheque / DD/ PO should be drawn in favour of Executive Engineer MIDC Baramati. Payment Timings : 10:30:00 am to 01:30:00 pm, except Saturdays Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Phone No.

*** Please submit your official GST No.,email and phone no while paying this bill at receipt counter.**
*** If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill**
*** All Online, NEFT/RTGS payments shall be made through MIDC's Web Site only.**

Checked By
Sign.
Name.
Date :

Approved By
Sign
Name C.K. Pandg
Date 18/07/2025

Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)
Water Bill _ Provisional

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C
IRN NO: 9b35b0ffb4fc537f06be12f9dc40ed1bd4eea22ca293c14abdba3a5eac0cd399

Original for recepient
Duplicate for Supplier

New Consumer No: 1051000052
Cust GST/ PAN No: 27AAACS6087N1ZU/AAACS6087N
Kurkumbh (Daud)
Issued Date: 05-08-2025
Bill No: SI26000304318
Month/Year: July 2025

SHOGUN ORGANICS LTD.

M.I.D.C.Kurkumbh.

Consumer Type:	1C1	Meter Size(mm):	40
Plot / Shed Area:	106,384.00	Min. Qty/Day(m3):	20.00
Plot / Shed No:	D-18	Min. Qty/Month(m3):	
Block No:		Sanctn Qty/day(m3):	
Zone:	10	Meter Status:	Working
Pending Cap. Contri:		Standing Charge:	

Deposit Amount: 169,435.00
Initial/Addl.SD/ Refund SD

Ecc: Yes Office Order : E-000270 DT 10/12/2019dt: 10-12-2019 End Dt CarpetArea: 0.00
CETP: No Order No : MIDC\52 Dated : 01-09-2011
Env: No Builtup Area : 106,384.00 SSI : N ETP : N CETP : N MPCB : N

## Previous Balance		# Current Charges		Amount Due Before Due Date	DPC Amount	Due Date
0.00	+	238,689.00	=	238,689.00	2,713.00	19-08-2025

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
320326 40	28840	30-06-2025	32102	31-07-2025	3262	
	0		0		0.00	

REGULAR

Charges Code	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT # LAST MONTH	PREVIOUS ##	
CGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	2,394.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	1,596.00	0.00	0.00	0.00	999120 CGST @9.00%
SGST-Fire Charge	1,596.00	0.00	0.00	0.00	999120 SGST @9.00%
CGST-Drainage Charge	1,615.00	0.00	0.00	0.00	999490 CGST @9.00%
SGST-Drainage Charge	1,615.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-CETP Run by MIDC	5,872.00	0.00	8.00	0.00	999433 CGST @6.00%
SGST-CETP Run by MIDC	5,872.00	0.00	6.00	0.00	999433 SGST @6.00%
Water Charges	55,454.00	0.00	0.00	0.00	2201 GST @ 0.00% 17.00*3,262.00*1
Service Charges	26,596.00	0.00	0.00	0.00	998599 GST @ 18.00% (Pl = 106,384.00 * Rt = 3.00 * FS = 1.00) / 12
Fire Charges	17,731.00	0.00	0.00	0.00	999120 GST @ 18.00% (106,384.00 * 2.00)/12
Drainage Charges	17,941.00	0.00	0.00	0.00	999490 GST @ 18.00% Wc = 3,262.00 * Rt = 5.50
CETP Run By MIDC	97,860.00	9,462.00	137.00	139.00	999433 GST @ 12.00% @ 30.00*3,262.00*100.00%
Adj. Water Charge	0.00	-9,601.00	0.00	0.00	
TOTAL	238,536.00	-139.00	153.00	139.00	

For Online Payment, Scan this QR Code.

Important Note :- Old Consumer No :- DV007/52KUR/510
* To be Used for Online bill Payment and all Correspondence till migration of all consumers numbers to new consumer number
*Pay exact bill amount on Virtual A/c No., else payment will be rejected.

* You can pay by NEFT/RTGS/IMPS w.e.f. 01-08-2025
Name of Beneficiary : MIDC
Bank Name : ICICI Bank Ltd. IFS Code : ICIC0000104
Virtual A/c Number : WB070KUR1051000052

LAST PAYMENT DETAILS	Receipt No.	Date.	Amount
	26KUR0000650,	24-07-2025,	206,378.00

DEPUTY ENGINEER M.I.D.C.

Rupees : **Two Lakh Thirty Eight Thousand Six Hundred and Eighty Nine Only**
For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV007/52KUR/510

Cheque / DD/ PO should be drawn in favour of Executive Engineer MIDC,Baramati
Payment Timings : 10:30:00 am to 01:30:00 pm, except Saturdays Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Phone No.

* Please submit your official GST No.,email and phone no while paying this bill at receipt counter.
* If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
* All Online, NEFT/RTGS payments shall be made through MIDC's Web Site or on Virtual Account Number or QR Code only.

Checked By
Sign.: Plomise
Name: Ranjeet kumar
Date: 12/08/25

Approved By
Sign: fw (signature)
Name: Sachin Kalbate
Date: 12/8/25

Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C

Original for receipent
Duplicate for Supplier

Water Bill _ Provisional

IRN NO: 2302976bd089c482c8bfd9c28dae54622d1f47442e5f225a04b01e17252ad0c0

New Consumer No: 1051000052
Cust GST/ PAN No: 27AAACS6067N1ZU/AAACS6067N

Kurkumbh (Daud)
Issued Date: 10-09-2025

Bill No: SI26000430436
Month/Year: August,2025

SHOGUN ORGANICS LTD. M.I.D.C.Kurkumbh	Consumer Type: 1A1 Plot / Shed Area: 106,384.00 Plot / Shed No: D-18 Block No: Zone: 10 Pending Cap. Contri:	Meter Size(mm): 40 Min. Qty/Day(m3): 20.00 Min. Qty/Month(m3): Sanctn Qty/day(m3): Meter Status: Working Standing Charge:	Deposit Amount 169,435.00 Initial/Addl.SD/ Refund SD

Bcc: Yes Office Order : E-000270 DT:10/12/2019dt: 10-12-2019 End Dt:CarpetArea: 0.00
CETP: No Order No : MIDC\52 Dated : 01-09-2011
Env: No Builtup Area : 106,384.00 SSI : N ETP : N CETP : N MPCB : N

## Previous Balance	+	# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
238,689.00		305,129.00		543,818.00	5,613.00	24-09-2025

Meter No / Size	Previous		Current		Water Quantity Cubic Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
320326 40	32102	31-07-2025	35601	31-08-2025	3499	Fire Charges Rate Revision July-2025 Kurkumbh
	0		0		0.00	

Charges Code	REGULAR				For Online Payment, Scan this QR Code
	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT # LAST MONTH	PREVIOUS ##	
CGST-Service Charge	2,394.00	2,394.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	2,394.00	2,394.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	3,511.00	1,595.00	0.00	0.00	999128 CGST @9.00%
SGST-Fire Charge	3,511.00	1,595.00	0.00	0.00	999128 SGST @9.00%
Adj. CGST-Fire Charge	1,915.00	0.00	0.00	0.00	999128 SGST @9.00%
Adj. SGST-Fire Charge	1,915.00	0.00	0.00	0.00	999128 SGST @9.00%
CGST-Drainage Charge	1,732.00	1,615.00	23.00	0.00	999489 CGST @9.00%
SGST-Drainage Charge	1,732.00	1,615.00	23.00	0.00	999489 SGST @9.00%
CGST-CETP Run by MIDC	6,298.00	5,872.00	93.00	8.00	999433 CGST @9.00%
SGST-CETP Run by MIDC	6,298.00	5,872.00	93.00	8.00	999433 SGST @9.00%
Water Charges	59,483.00	55,454.00	804.00	0.00	3201 GST @ 0.00% 17.00*3,499.00=1
Service Charges	26,596.00	26,596.00	0.00	0.00	998599 GST @ 18.00% (Rt = 106,384.00 * R = 3.00 * FSI = 1.00) / 12
Fire Charges	39,007.00	17,731.00	0.00	0.00	999128 GST @ 18.00% (106,384.00 * 4.40)/12
Adj. Fire Charges	21,276.00	0.00	0.00	0.00	999128 GST @ 18.00%
Drainage Charges	19,245.00	17,941.00	260.00	0.00	999489 GST @ 18.00% Wa = 3,499.00 * Rt = 5.50
CETP Run By MIDC	104,970.00	107,322.00	1,556.00	276.00	999433 GST @ 12.00% @ 30.00*3,499.00*100.00%
Adj. Water Charge	0.00	-9,601.00	0.00	0.00	
TOTAL	302,277.00	238,397.00	2,852.00	292.00	

Important Note :- Old Consumer No :- DV007/52KUR/510
* To be Used for Online bill Payment and all Correspondence till migration of all consumers numbers to new consumer number
*Pay exact bill amount on Virtual A/c No., else payment will be rejected.

* You can pay by NEFT/RTGS/IMPS w.e.f. 01-08-2025
Name of Beneficiary : MIDC
Bank Name : ICICI Bank Ltd, IFS Code : ICIC0000104
Virtual A/c Number : WB07OKUR1051000052

LAST PAYMENT DETAILS

Receipt No.	Date.	Amount
26KUR00000650,	24-07-2025,	206,378.00

DEPUTY ENGINEER M.I.D.C.

Rupees : Five Lakh Forty Three Thousand Eight Hundred and Eighteen Only

For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV007/52KUR/510

Cheque / DD / PO should be drawn in favour of Executive Engineer MIDC Collection Baranch. Payment Timings : 10.30.00 am to 01.30.00 pm, except Saturdays, Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC. Phone No.

* Please submit your official GST No.,email and phone no while paying this bill at receipt counter.
* If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill.
* All Online, NEFT/RTGS payments shall be made through MIDC's Web Site or on Virtual Account Number or QR Code only.

Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)
Water Bill _ Provisional

GST NO: 27AAACM3560C1ZV
PAN NO: AAACM3560C
IRN NO: d8810990c75563023d9d89922f6e9d79e147877feafbcecdde36edd42f8f0dd0

Original for receipent
Duplicate for Supplier

Bill No: SI26000467776

New Consumer No: 1051000052
Cust GST/ PAN No: 27AAACS8067N1ZU/AAACS8067N

Kurkumbh (Daud)
Issued Date: 08-10-2025

Month/Year: September,2025

SHOGUN ORGANICS LTD. M.I.D.C.Kurkumbh.	Consumer Type: 1A1 Plot / Shed Area: 106,384.00 Plot / Shed No: D-18 Block No: Zone: - 10 Pending Cap. Contri.:	Meter Size(mm): 40 Min. Qty/Day(m3): 20.00 Min. Qty/Month(m3): Sanctn Qty/day(m3): Meter Status: Working Standing Charge:	Deposit Amount 160,435.00 Initial/Addl.SD/ Refund SD

Scc: Yes Office Order : E-000270 DT.10/12/2019dt: 10-12-2019 End Dt CarpetArea: 0.00
CETP: No Order No : MIDC\52 Dated : 01-09-2011
Env. No Builtup Area : 106,384.00 SSI : N ETP : N CETP : N MPCB : N

## Previous Balance	+	# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
305,129.00		280,156.00		585,285.00	5,901.00	20-10-2025

Meter No / Size	Previous Reading	Previous Date	Current Reading	Current Date	Water Quantity Cubic Meter	Remarks (If Any)
320328 40	36601	31-08-2025	39064	30-09-2025	3463	
	0		0		0.00	

REGULAR

Charges Code	CHARGES CURRENT #	CHARGES PREVIOUS ##	DPC CURRENT # LAST MONTH	DPC PREVIOUS ##	
CGST-Service Charge	2,394.00	2,394.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	2,394.00	2,394.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	3,511.00	3,511.00	0.00	0.00	999120 CGST @9.00%
SGST-Fire Charge	3,511.00	3,511.00	0.00	0.00	999120 SGST @9.00%
CGST-Drainage Charge	1,714.00	1,732.00	25.00	23.00	999490 CGST @9.00%
SGST-Drainage Charge	1,714.00	1,732.00	25.00	23.00	999490 SGST @9.00%
CGST-CETP Run by MIDC	2,597.00	5,298.00	38.00	93.00	999433 CGST @2.50%
SGST-CETP Run by MIDC	2,597.00	5,298.00	38.00	93.00	999433 SGST @2.50%
Water Charges	68,394.00	59,483.00	863.00	804.00	2201 GST @ 0.00% 19.79*3,463.00*1
Service Charges	26,596.00	26,596.00	0.00	0.00	998598 GST @ 18.00% (Plt = 106,384.00 * Rt = 3.30 * FBI = 1.00) / 12
Fire Charges	39,007.00	39,007.00	0.00	0.00	999120 GST @ 18.00% (106,384.00 * 4.40)/12
Drainage Charges	19,047.00	19,245.00	279.00	260.00	999490 GST @ 18.00% Var = 3,463.00 * Rt = 5.50
CETP Run By MIDC	103,890.00	104,970.00	1,522.00	1556.00	999433 GST @ 5.00% Rt= 30.00*3,463.00*100.00%
Adj. Fire Charges	0.00	21,276.00	0.00	0.00	
Adj. CGST-Fire Charge	0.00	1,915.00	0.00	0.00	
Adj. SGST-Fire Charge	0.00	1,915.00	0.00	0.00	
TOTAL	277,366.00	302,277.00	2,790.00	2,852.00	

For Online Payment, Scan this QR Code.

Important Note :- Old Consumer No :- DV007/52KUR/610
*** To be Used for Online bill Payment and all Correspondence till migration of all consumers numbers to new consumer number**
***Pay exact bill amount on Virtual A/c No., else payment will be rejected.**

*** You can pay by NEFT/RTGS/IMPS w.e.f. 01-08-2025**
Name of Beneficiary : MIDC
Bank Name : ICICI Bank Ltd, IFS Code : ICIC0000104
Virtual A/c Number : WB070KUR1051000052

LAST PAYMENT DETAILS	Receipt No.	Date.	Amount
	26KUR00000882,	12-09-2025,	238,689.00

DEPUTY ENGINEER M.I.D.C.

Rupees : **Five Lakh Eighty Five Thousand Two Hundred and Eighty Five Only**

For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV007/52KUR/610

Cheque / DD/ PO should be drawn in favour of Executive Engineer MIDC Collection Daramati. Payment Timings : 10:30:00 am to 01:30:00 pm except Saturdays Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC Phone No.

*** Please submit your official GST No.,email and phone no while paying this bill at receipt counter.**
*** If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill**
*** All Online, NEFT/RTGS payments shall be made through MIDC's Web Site or on Virtual Account Number or QR Code only.**

11.

Form IV- Annual Returns

Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4
See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:	***Submitted On:***	***Industry Type :***
MPCB-HW_ANNUAL_RETURN-0000058775	29-06-2025	Generator

Submitted for Year:
2025

1. Name of the generator/operator of facility	***Address of the unit/facility***
Shogun Organics Ltd.	plot .No D-18,Kurkumbh MIDC, Tal. Daund, Dist., Pune 41802

1b. Authorization Number	***Date of issue***	***Date of validity of consent***
Format1.0/CAC/UAN NO.0000152003/CO/2307000577	Jul 7, 2023	Jul 31, 2027

2. Name of the authorised person	***Full address of authorised person***
Santosh Kumar Panda	plot .No D-18,Kurkumbh MIDC, Tal. Daund, Dist., Pune 41802

Telephone	***Fax***	***Email***
9998968419	NA	santosh.panda@shogunorganics.com

3.Production during the year (product wise), wherever applicable

Product Type *	***Product Name ****	***Consented Quantity***	***Actual Quantity***	***UOM***
Pesticides/Insecticides/fungicides/Hebicides	shed -1 , (D- Trans allethrin Tech, D-Allethein Tech, Prallethrin Tech ,Transfluthrin Tech, Dimefluthrin Tech,Bifenthrin Technical,Lambda Cyhalothrin Technical, Renofluthrin Technical	696.0000	250.75	MT/A
Pesticides/Insecticides/fungicides/Hebicides	Intermediate (Cypermethric Acid Chlorid, R-Cypermethric Acid)	143.0000	16.744	MT/A
Pesticides/Insecticides/fungicides/Hebicides	shed -3 (Tebuconazole Technical, Bispyribac Sodium Technical , Thiamethoxam Technical, Metribuzin Technical,Clodinafop proparyl Technical , Penoxsulam Technical, Quizalofop Ethyl Technical, Ametryn Technical , Dinotefuran Technical ,Chlorantraniliprole	900.0000	353.57	MT/A
Pesticides/Insecticides/fungicides/Hebicides	Formulation (Trasfluthrin 1.6% LV	108.0000	1.6	MT/A
Pesticides/Insecticides/fungicides/Hebicides	Renofluthrin 5% MUP	360.0000	250	MT/A
Pesticides/Insecticides/fungicides/Hebicides	Heater Machines	300000.0000	50000	Nos./Y

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	***Wate Name***	***Consented Quantity***	***Quantity***	***UOM***
29.2 Sludge containing residual pesticides	PROCESS RESIDUE	29.000	0.00	MTA

35.3 Chemical sludge from waste water treatment	ETP SLUDGE	366.760	0.00	MTA
37.3 Concentration or evaporation residues	ATFD SALT	1854.000	240.68	MTA
Other Hazardous Waste	MIXED SALT	35.520	0.00	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	EMPTY DRUMS	1103.000	460	numbers/anum

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
29.2 Sludge containing residual pesticides	00.00	MTA	Disposal Facility	MAHARASHTRA ENVIRO POWER LTD
35.3 Chemical sludge from waste water treatment	00.00	MTA	Disposal Facility	MAHARASHTRA ENVIRO POWER LTD
37.3 Concentration or evaporation residues	240.68	MTA	Disposal Facility	MAHARASHTRA ENVIRO POWER LTD
Other Hazardous Waste	0.00	MTA	Disposal Facility	MAHARASHTRA ENVIRO POWER LTD
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	460	numbers/anum	Recycler or Actual user	KRISHNA ENTERPRISES

3. Quantity Utilised in-house,If any

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
	NA	0.00	MTA

4. Quantity in storage at the end of the year

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
37.3 Concentration or evaporation residues	NA	0.00	MTA

5. Quantity disposed in landfills as such and after treatment

Type	***Quantity***	***UOM***
Direct landfilling	240.68	MTA
Landfill after treatment	240.68	MTA

6. Quantity incinerated (if applicable)	***UOM***
NA	MTA

Personal Details

Place	***Date***	***Designation***
KURKUMBH	2025-06-29	VICE-PRESIDENT

12.

EMP Cost Details

SHOGUN
ORGANICS LIMITED

EMP Cost Break-up
(April 2025 to Sept. 2025)

Sr. No	Description	Capital Investment (Rs.)	Recurring Expenses (Rs.)
1	Waste Water treatment & Hazardous Waste Management	-	**12,10,661**
3	Pump & Motors for ETP Plant	-	**3,53,804**
4	Air Monitoring	-	**16,500**
5	Tree Plantation	-	**16,800**
6	Consultancy Charges	-	**3,57,000**
7	Annual Subscription Software & Camera	-	**25,000**
8	CHEMICALS for ETP	-	**43,500**
9	Green Belt Development & Maintenance	-	**3,00,000**
10	Occupational Health Check-Up	**8,924**	**1,58,340**
11	Construction of MEE / ETP Sump	**3,50,622**	**1,22,762**
	TOTAL (Rs.)	**3,59,546**	**26,04,367**

For Shogun Organics Ltd.

Authorised Signatory

Regd. Office : 4th & 5th Floor, Block-A, NDM-1, Netaji Subhash Place, Delhi –110034. Tel : 011- 66105100
Admin Office : No. 405, Shree Krishna, New Link Road, Andheri (West), Mumbai - 400 053
Tel: +91 22 69010355 Email : info@shogunorganics.com
Factory : Plot No. D-18, MIDC Kurkumbh, Taluka – Daund, Distt – Pune 413802
CIN : U99999DL1993PLC432040

13.

Parivesh Portal Acknowledgement & E-mail Transmittals

Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	A/MH/IND3/260306/2017
Compliance ID	127790523
Compliance Number(For Tracking)	EC/M/COMPLIANCE/127790523/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	23-05-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	MAHARASHTRA
RO/SRO Office Address	Integrated Regional Offices, Nagpur

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, MAHARASHTRA with Notification to Project Proponent.

From: MV Hande <mvhande@shogunorganics.com>
Sent: 26 May 2025 18:25
To: RO Pune; mpcbpune@mpcb.gov.in
Cc: Abhay Gupta
Subject: Six Monthly EC Compliance Report Submission to Regional Officer MPCB by Shogun Organics Ltd. (Period October 2024-March 2025)reg.

To,

Regional Officer

Maharashtra Pollution Control Board,

Jog Centre, 3rd floor, Mumbai Pune Road,

Wakdewadi, Pune - 411003.

Subject: Proposed expansion of pesticides manufacturing & formulation unit by Shogun Organics Limited at Plot No. D-18, Kurkumbh MIDC, Taluka Daund, District Pune, Maharashtra- Submission of the 9th six monthly compliance report for the period from October 2024 to March 2025) –Reg.

Ref: Environmental Clearance file no. J-11011/241/2017-IA II(I) dated June 1, 2022 granted by MOEFCC, Govt. of India.

Dear Sir,

We have received the Environment Clearance from MOEFCC, Govt. of India on June 1, 2022 for our project as captioned in the subject.

We are pleased to submit the 9th six monthly compliance report for the period from October 2024 to March 2025.

Kindly go through the link below for EC Compliance Report:

Link : https://we.tl/t-xaXuULMAR2

The above Link is valid Only for three days i.e. up to 29th May 2025.

The acknowledgment of the submission of the 9th six monthly compliance reports for the period from October 2024 to March 2025 to Parivesh portal MoEF & CC is also attached with the compliance report.

With this reference we wish to submit the details required as below:

1. Point wise compliance to stipulation as laid down by ministry.
2. Environmental Monitoring Reports.
3. Other documents viz. EC letter, Form V, Form VII, etc. which are attached as annexures.

We hope you will find the same in line with your requirements.

Thanking You,

MV Hande
| H.O.| Mumbai

Mob. +91 9920183331
Visit us at: www.shogunorganics.com

SHOGUN
ORGANICS LIMITED

Regd. Office : 4th & 5th floor, NDM 1, Netaji Subhash Place, New Delhi -110034 (India) | Contact Us: 011 66105000 |

Admin Office : A-106, Kotia Nirman, New Link Road, Andheri West, Mumbai - 400 058 (India) l Contact Us : 022 6677 6845 l

Email: info@shogunorganics.com

Disclaimer: This e-mail message, including any attachment, is for the sole use of the intended recipient (s) and may contain confidential and privileged information or otherwise protected by law. Any unauthorised review, use, discloser or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. The integrity and security of this email cannot be guaranteed over the Internet. Therefore, the sender will not be held liable for any damage caused by the message.

From: MV Hande <mvhande@shogunorganics.com>
Sent: 26 May 2025 18:32
To: SRO Pune 1
Cc: Abhay Gupta
Subject: Six monthly EC Compliance Report submission to SRO-MPCB by Shogun Organics Ltd. (Period October 2024-March 2025) Reg.

To,

Sub Regional Officer, Pune I (SRO Pune-I)

Maharashtra Pollution Control Board,

Jog Centre, 3rd floor, Mumbai Pune Road,

Wakdewadi, Pune - 411003.

Subject: Proposed expansion of pesticides manufacturing & formulation unit by Shogun Organics Limited at Plot No. D-18, Kurkumbh MIDC, Taluka Daund, District Pune, Maharashtra- Submission of the 9th six monthly compliance report for the period from October 2024 to March 2025) –Reg.

Ref: Environmental Clearance file no. J-11011/241/2017-IA II(I) dated June 1, 2022 granted by MOEFCC, Govt. of India.

Dear Sir,

We have received the Environment Clearance from MOEFCC, Govt. of India on June 1, 2022 for our project as captioned in the subject.

We are pleased to submit the 9th six monthly compliance reports for the period from October 2024 to March 2025.

Kindly go through the link below for EC Compliance Report:

Link : https://we.tl/t-gVMbvXO5Bw

The above Link is valid only for three days i.e. up to 29th May 2025.

The acknowledgment of the submission of the 9th six monthly compliance reports for the period from October 2024 to March 2025 to Parivesh portal MoEF & CC is also attached with the compliance report.

With this reference we wish to submit the details required as below:

1. Point wise compliance to stipulation as laid down by ministry.
2. Environmental Monitoring Reports.
3. Other documents viz. EC letter, Form V, Form VII, etc. which are attached as annexures.

We hope you will find the same in line with your requirements.

Thanking You,

MV Hande
| H.O.| Mumbai

Mob. +91 9920183331
Visit us at: www.shogunorganics.com

SHOGUN
ORGANICS LIMITED

Regd. Office : 4th & 5th floor, NDM 1, Netaji Subhash Place, New Delhi -110034 (India) | Contact Us: 011 66105000 |

Admin Office : A-106, Kotia Nirman, New Link Road, Andheri West, Mumbai - 400 058 (India) l Contact Us : 022 6677 6845 l

Email: info@shogunorganics.com

Disclaimer: This e-mail message, including any attachment, is for the sole use of the intended recipient (s) and may contain confidential and privileged information or otherwise protected by law. Any unauthorised review, use, discloser or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message. The integrity and security of this email cannot be guaranteed over the Internet. Therefore, the sender will not be held liable for any damage caused by the message.

14.

Form V- Environment Statement

Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V
(See Rule 14)
Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000087219	29-09-2025

PART A

Company Information

Company Name	***Application UAN number***	
Shogun Organics Limited	100048318010	
Address		
Plot No. D-18, MIDC Kurkumbh, Tal. Daund, Dist. Pune, Pin-413802		
Plot no	***Taluka***	***Village***
Plot No. D-18, MIDC Kurkumbh	Daund	Kurkumbh
Capital Investment (In lakhs)	***Scale***	***City***
4897	LSI	MIDC Kurkumbh
Pincode	***Person Name***	***Designation***
413802	M. V. Hande	Director
Telephone Number	***Fax Number***	***Email***
9920183331		mvhande@shogunorganics.com
Region	***Industry Category***	***Industry Type***
SRO-Pune I	Red	R22 Organic Chemicals manufacturing
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format 1.0/CAC/UAN NO.0000152003/CO/2307000577	2023-07-11
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2027-07-31	2008	Sep 28 2024 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Shed-1 (D-trans Allethrin Tech,D- Allethein Tech,Prallethein Tech, Transfluthrin Tech,Dimefluthrin Tech,Bifenthrin Tech,Lambda Cyhalothrin Tech, Renofluthrin Tech	696.000	250.753	MT/A
Intermediate (Cypermethric Acid Chloride,R- Cypermethric Acid)	143.000	134	MT/A
Shed 3 (Tebuconazole Tech,Bispyribac Sodium Technical, Thiamethoxam Technical,Metribuzin Tech,Clodinafop Propargyl Tech,Penoxsulam Tech,Quizalofop Ethyl Tech,Ametryn Tech,Dinotefuran Tech,Chlorantran	900.00	287.34	MT/A
Formulation (Transfluthrin 1.6% LV)	108.00	1.6	MT/A
Renofluthrin 5% MUP	360.000	312.6	MT/A

Heater Machine	300000.00	112086	Nos./Y

By-product Information

By Product Name	*Consent Quantity*	*Actual Quantity*	*UOM*
NA	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	*Consent Quantity in m3/day*	*Actual Quantity in m3/day*
Process	74.35	38.60
Cooling	265.67	20.12
Domestic	16.60	11.30
All others	173.88	28.38
Total	530.50	98.40

2) Effluent Generation in CMD / MLD

Particulars	*Consent Quantity*	*Actual Quantity*	*UOM*
Trade effluent	56.71	32.10	CMD
Domestic effluent	13.8	10.50	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	*During the Previous financial Year*	*During the current Financial year*	*UOM*
Tech. D-Allethrin (DL)	47	4.9	
Transfluthrin Technical	1.88	1.90	
Prallethrin Technical	5.1	4.90	
D-Trans Allethrin Technical	2.55	2.55	
Bifenthrin	3.6	3.2	
LV with 1.6% Transfluthrin (35/45ml)	0	0	
Tebuconazole Tech	2.23	2.1	
Thiamethoxam Tech	5.99	5.86	
Bispyribac Sodium Tech	1.2	1.1	
Clodinafop propargyl Tech	10.8	10.5	
Dinotefuran Tech	3.5	3.2	
Heater machines	0	0	
Penoxsulam Tech	0.067	0.065	
Quizalofop Ethyl Tech	5.43	5.41	
Renofluthrin	8.3	8.1	
Lambda Cyhalothrin Tech	7.99	0.00	
Dimefluthrin Tech	12.6	0.00	
Metribuzin Tech	9.5	0.00	
Ametryn Tech	2.4	2.2	
Chlorantraniliprole Tech	4.3	0.00	

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Allethlone Alcohol	5.8	8.1	MT/A
R-Allethlone Alcohol	0.375	0.425	MT/A
Prallethlone Alcohol	9.945	9.890	MT/A
Toluene	99.4	105.12	MT/A
Cypermethric Acid Chloride	0.857	103.16	MT/A
Caustic Flakes	84.9	95.14	MT/A
Meta Phenoxy Benzyl Alcohol	1.4	1.3	MT/A
Ephedrine Hydrochloride	2.5	3.2	MT/A
HCL	110.94	150.24	MT/A
Thionyl Chloride	58.045	61.254	MT/A
Potasssium Carbonate	55.088	58.124	MT/A
n-Hexane	13.4	11.66	MT/A
Bifenthrin alcohol	12.645	11.856	MT/A
cyclohexane	25.869	22.355	MT/A
Sodium carbonate	62.213	65.110	MT/A
1-(4 Chloro) 4,4,Dimetyl-3-Pentanone	14.506	0	MT/A
1,2,4 Triazole	5.6	0	MT/A
Atrazin Technical	12	13.6	MT/A
Bromo CPCA-CTPR Tech	6.9	8.3	MT/A
Dimethyl Sulifide	21.322	5.6	MT/A
Dimethyl Sulphoxide	26.802	0	MT/A
Meta Phonoxy Benzaldehyde	5.4	0	MT/A
Methane Sulfonyl Chloride	4.224	5.668	MT/A
Methyl Mercaptan Sodium salt	22.2	28.5	MT/A
Propargyl Alcohol	7.2	8.1	MT/A
R- Ethyl2(4Hydroxyphenoxy)Propanoate	17.235	16.458	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	295102.5	210482	Ltr/A
HSD	54750	8871	Ltr/A
Briquette	5475	2275	MT/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason

TSS	1.10	34.62	34.62	100	NA
TDS	40.28	1259	59.95	2100	NA
pH 5.5-9.0	0	7.3	NA	NA	NA
BOD	0.716	22.4	74.66	30	NA
Oil & Grease	0.016	5	50	100	NA
COD	3.21	100.6	40.24	250	NA
Sulphate	3.69	115.33	11.53	1000	NA
Chloride	4.89	153.09	25.51	600	NA

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
SPM	0.34	54.94	36.62	150	NA
SO2	0.10	16.29	20.36	80	NA
NO2	0.14	22.70	28.37	80	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
29.2 Sludge containing residual pesticides	6.89	0.00	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	988	460	Nos./Y
Other Hazardous Waste	4.01	0.00	Nos./Y

2) From Pollution Control Facilities

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
35.3 Chemical sludge from waste water treatment	6.01	0.00	MT/A
37.3 Concentration or evaporation residues	64.97	240.68	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
Scrap Paper & Garbage	950	1120	Kg/Annum

2) From Pollution Control Facilities

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	*Qty of Hazardous Waste*	*UOM*	*Concentration of Hazardous Waste*
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	460	Nos./Y	0
29.2 Sludge containing residual pesticides	0.00	MT/A	0
35.3 Chemical sludge from waste water treatment	0.00	MT/A	0
37.3 Concentration or evaporation residues	240.68	MT/A	0

2) Solid Waste

Type of Solid Waste Generated	*Qty of Solid Waste*	*UOM*	*Concentration of Solid Waste*
NA	0	MT/A	0

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	*Reduction in Water Consumption (M3/day)*	*Reduction in Fuel & Solvent Consumption (KL/day)*	*Reduction in Raw Material (Kg)*	*Reduction in Power Consumption (KWH)*	*Capital Investment(in Lacs)*	*Reduction in Maintenance(in Lacs)*
LDO Reduction w.r.t. last financial year	0	0	0	0	0	0
HSD Reduction w.r.t. last financial year	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Installation of solar plant	Non-conventional energy source	520000
Tree plantation in factory premises	for gardening and reducing Carbon foot prints	200000
Steam pipeline with rack from 4-ton briquette to MEE plant	Reduce LDO consumption	5988908

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Environment Compliance Report	Compliance	328040
Ro plant	Waste Water Treatment	8000000
Tree plantation in factory premises	for gardening and reducing Carbon foot prints	200000
Hazardous waste shed	Storage of hazardous waste	2500000

Part-I

Any other particulars for improving the quality of the environment.

Particulars

M/s. Shogun Organics Ltd

Name & Designation

M. V. Hande-Director

UAN No:

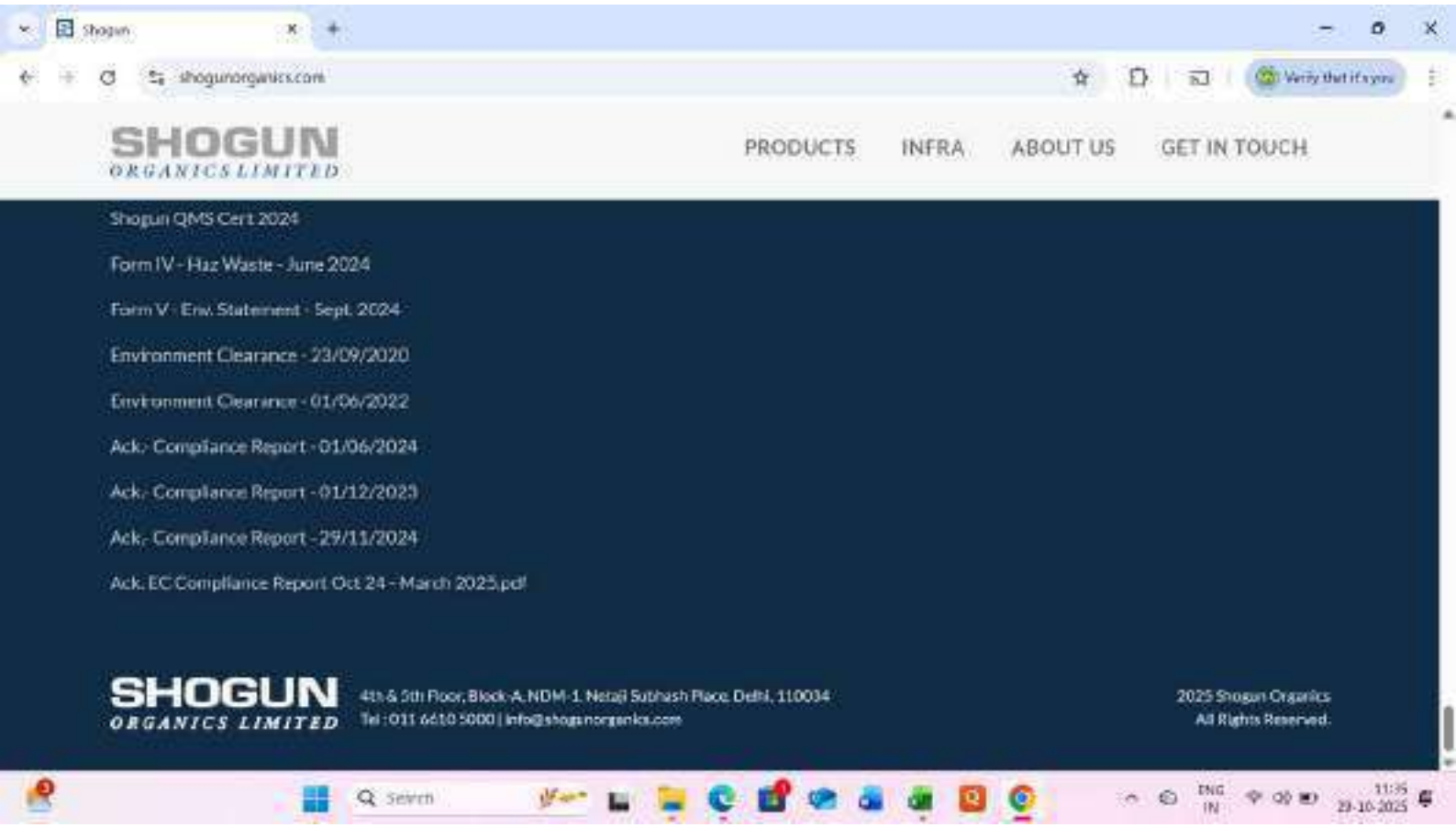
MPCB-ENVIRONMENT_STATEMENT-0000087219

Submitted On:

29-09-2025

15.

Website Screenshot


Shogun
shogunorganics.com
Verify that it's you
SHOGUN
ORGANICS LIMITED
PRODUCTS
INFRA
ABOUT US
GET IN TOUCH
Shogun QMS Cert 2024
Form IV - Haz Waste - June 2024
Form V - Env. Statement - Sept. 2024
Environment Clearance - 23/09/2020
Environment Clearance - 01/06/2022
Ack;- Compliance Report - 01/06/2024
Ack;- Compliance Report - 01/12/2023
Ack;- Compliance Report - 29/11/2024
Ack. EC Compliance Report Oct 24 - March 2025.pdf
SHOGUN
ORGANICS LIMITED
4th & 5th Floor, Block A, NDM-1, Netaji Subhash Place, Delhi, 110034
Tel : 011 6610 5000 | info@shogunorganics.com
2025 Shogun Organics
All Rights Reserved.
Search
ENG
IN
11:35
29-10-2025

16.

Public Liability Insurance Copy

THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	:	SHOGUN ORGANICS LIMITED			
Insured's Details			Issuing Office Details		
Customer ID	:	POC1003403	Office Code	:	DELHI CBO-II 4900000
Address	:	PLOT NO D-18, MIDC, KURKUMBH INDUSTRIAL AREA, DAUND PUNE, MAHARASHTRA 413801 DAUND ,MAHARASHTRA, 413801	Address	:	THE NEW INDIA ASSURANCE COMPANY LIMITED, N-34, BOMBAY LIFE BUILDING, CONNAUGHT PLACE NEW DELHI-1100 ,110001
Phone No	:	XXXXXX3869	Phone No	:	9868152264
E-mail/Fax	:	praveen.singh@novelty insurance.co.in, /	E-mail/Fax	:	nia.900000@newindia.co.in /
PAN No	:		S.Tax Regn. No	:	AAACN4165CST178
GSTIN/UIN	:	27AAACS8067N1ZU / NA	GSTIN	:	07AAACN4165C1ZT
	:		SAC	:	997139 (Other non-life insurance services excl RI)

Policy Details					
Policy Number	:	900000392433000000030	Business Source Code		
Period of Insurance	:	From 22/03/2025 12:00:01 AM To 21/03/2026 11:59:59 PM	Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User	:	Novelty Insurance Brokers Ltd - (2D8523166) 311900-Novelty Insurance Brokers Limited - (SI00293270),
Date of Proposal	:	22-Mar-25	Agent/Bancassurance/Specified Person	:	
Prev. Policy no.	:		Phone No	:	01612240091 9357697544 / NA
Client Type	:	Corporate	E-mail/Fax	:	novelty insurance@yahoo.com, /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
24750	24750 Vo	1455	53,955	RUPEES FIFTY-THREE THOUSAND NINE HUNDRED FIFTY-FIVE ONLY	900000R124000000637 9 - 24/03/25

Details of risk covered under current year policy:

Retroactive Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles No of workmen	No of Other Employee
23/03/2022	<= 15 Crore	1	50000000	1:3	150000000	854141202	854141202	100	400

Retroactive Dates

Retroactive Date Details	Date	Paid Up Capital	No Of Locations Involved	AOA	AOA:AOY	AOY	Annual Turnover - Previous Year	Annual Turnover - Proposed Year	Deductibles No of workmen	No of Other Employee
RETROACTIVE DATE 1	23/03/2022	<=15Crore	1	50000000	1:3	150000000	854141202	854141202	100	400

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension

Approved By
Sign
Name
Date -

SAP_7190018O9
dt 24.3.25

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2025.03.24 15:09:59 IST

THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

POLICY SCHEDULE FOR PUBLIC LIABILITY (Act Only) INSURANCE

UIN NUMBER - IRDAN190P0076100001

Insured's Name	:	SHOGUN ORGANICS LIMITED			
Insured's Details			**Issuing Office Details**		
Customer ID	:	POC1003480	**Office Code**	:	DELHI CBO-II (900000)
Address	:	PLOT NO D-18, MIDC, KURKUMBH INDUSTRIAL AREA, DAUND, PUNE, MAHARASHTRA, 413801 DAUND ,MAHARASHTRA, 413801	**Address**	:	THE NEW INDIA ASSURANCE COMPANY LIMITED, N-34, BOMBAY LIFE BUILDING, CONNAUGHT PLACE, NEW DELHI-1100 ,110001
Phone No	:	XXXXXX3849	**Phone No**	:	9868152264
E-mail/Fax	:	praveen.singh@noveltyinsurance.co.in, /	**E-mail/Fax**	:	nia.900000@newindia.co.in /
PAN No	:		**S.Tax Regn. No**	:	AAACN4165CST178
GSTIN/UIN	:	27AAACS6067N1ZU / NA	**GSTIN**	:	07AAACN4165C1ZT
	:		**SAC**	:	997139 (Other non-life insurance services excl RI)

Policy Details					
Policy Number	:	90000036243300000030	**Business Source Code**		
Period of Insurance	:	From: 22/03/2025 12:00:01 AM To: 21/03/2026 11:59:59 PM	**Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User**	:	Novelty Insurance Brokers Ltd - (2D8523166) 311900-Novelty Insurance Brokers Limited - (SI00293270),
Date of Proposal	:	22-Mar-25	**Agent/Bancassurance/Specified Person**	:	
Prev. Policy no.	:		**Phone No**	:	01812240091, 9357607544 / NA
Client Type	:	Corporate	**E-mail/Fax**	:	noveltyinsurance@yahoo.com, / /

Premium(₹)	ERF Premium(₹)	GST(₹)	Total (₹)	Total (₹ in words)	Receipt No. & Date
24750	24750	4,455	53,955	RUPEES FIFTY-THREE THOUSAND NINE HUNDRED FIFTY-FIVE ONLY	9000008124000000637 9 - 24/03/25

Details of risk covered under current year policy:

								Deductibles	
Retroactive Date	**Paid Up Capital**	**No Of Locations Involved**	**AOA**	**AOA:AOY**	**AOY**	**Annual Turnover - Previous Year**	**Annual Turnover - Proposed Year**	**No of workmen**	**No of Other Employee**
23/03/2022	<= 15 Crore	1	50000000	1:3	150000000	854141202	854141202	100	400

Retroactive Dates

									Deductibles	
Retroactive Date Details	**Date**	**Paid Up Capital**	**No Of Locations Involved**	**AOA**	**AOA:AOY**	**AOY**	**Annual Turnover - Previous Year**	**Annual Turnover - Proposed Year**	**No of workmen**	**No of Other Employee**
RETROACTIVE DATE 1	23/03/2022	<=15Crore	1	50000000	1.3	150000000	854141202	854141202	100	400

RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Extensions under the Policy

Name of the Extension	Sub Limit of the Extension	Deductibles of the Extension

Signature Not Verified
Digitally signed by DHIRAJ KUMAR
Date: 2026.03.24 15:09:02 IST

Policy No. : 90000036243300000030Document generated by 31355 at 24/03/2025 15:09:00 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.

THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

Special Conditions	Paid up capital -₹7,75,50,760 LOI - 5 Crs AOA :: 15 Crs AOY Terms & conditions as per New India's Public Liability Act policy.
Special Exclusions	NA
Special Excess/Deductible	0

Retroactive Dates	**Date**
Retroactive date	23/03/2022

The Policy shall be subject to PUBLIC LIABILITY (Act Only) INSURANCE Policy clauses attached herewith.

Clauses	**Description**

Premium and GST Details

	Rate of Tax	**Amount in INR**
Premium		₹ 49,500
SGST	0	0
CGST	0	0
IGST	18	4455

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 24th day of March,2025.

For and on behalf of
The New India Assurance Company Limited

Date of Issue: 24/03/2025

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1

Mudrank_____Dt._____consolidated Stamp Fees Paid by Pay Order Number_____vide receipt number_____dt._____.

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 90000024P0011968

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

17.

Safety Audit Report

Safety audit

As per the Rule 3 (b) of the Maharashtra Factories (Safety Audit) Rules 2014.
(Methodology as per IS 14489)

Of

SHOGUN ORGANICS LIMITED

PLOT NO D-18 ,MIDC ,KURKUMBH ,TALUKA- DAUND ,

DISTRICT- PUNE,MAHARASHTRA-413802

Audited by

Pravin P Chougule

Approved Safety Auditor by Govt. of Maharashtra,

On

OCT 2024

सह संचालक औद्योगिक सुरक्षा व आरोग्य संचालनालय १
महाराष्ट्र कामगार कल्याण भवन, तिसरा मजला,
संभाजीनगर, (थरमॅक्स चौक), चिंचवड, पुणे ४११०१९.

Safety audit

As per the Rule 3 (b) of the Maharashtra Factories (Safety Audit) Rules 2014. (Methodology as per IS 14489)

Of

SHOGUN ORGANICS LIMITED

PLOT NO D-18 ,MIDC ,KURKUMBH ,TALUKA- DAUND ,

DISTRICT- PUNE,MAHARASHTRA-413802

Audited by

Pravin P Chougule

Approved Safety Auditor by Govt. of Maharashtra,

On

OCT 2024

SCHEDULE II

[See rules 8 and 9(1)]

PART-A

(1) Name and Address of the Company	Shogun Organics Limited , Plot no D-18, MIDC ,Kurkumbh ,Tal. Daund, Dist.- Pune 413 802
(2) Name of the Occupier	Mr. Ramavtar Agarwal
(3) (a) Date and time of opening meeting of safety audit	1/10/2024 (10:00 am)
(b) Date and time of closing meeting of safety audit	2/10/2024 (5:00 pm)
c) Total man days taken to conduct the safety audit	2 Man days
(4) List of Raw materials with Maximum Storage quantity	Available & attached
(5)List of Finished products with maximum storage quantity	Available & attached
(6) Manufacturing process flow chart	Available & checked
(7) List of dangerous operations carried out in the factory as defined in rule 114 of the Maharashtra Factories Rules, 1963	1.Handling of corrosive substances. 2.Handling of highly flammable liquids. 3.Manufacturing of insecticide & Pesticide
(8) (a) Name/s of the Safety Auditor/s:	MR. PRAVIN P CHOUGULE ,
(b) Certificate no. and its validity duration:	Cert. No.-MS/DSH/SA/C-02/2024
(9) Whether enclosed Safety Audit Report is as per the Indian Standard, IS 14489 : Code of Practice on Occupational Safety and Health Audit, or any such standards prevailing at the relevant time, whichever is latest : (mention standards, check list, guidelines used in addition to the Indian Standard, IS 14489 : Code of Practice on Occupational Safety and Health Audit)	Yes , enclosed Safety Audit Report is as per the Indian Standard, IS 14489 : Code of Practice on Occupational Safety and Health Audit
Date of submission of Safety Audit Report to the factory:	24/10/2024
Digital Signature of Safety Auditor/s or employee/s of an Institution authorized to carry out safety audit.	

PART B

Date of Receipt of Safety Audit Report from Safety Auditor : 24/10/2024

I undersigned . Mr. Ramavtar Agarwal **Occupier** of the Factory Shogun Organics Limited ,

Plot no D-18, MIDC ,Kurkumbh ,Tal. Daund, Dist.- Pune 413 802

hereby declare that , I have thoroughly reviewed and taken appropriate actions based on the findings and recommendations mentioned in Safety Audit Report by Safety Auditor namely **Mr. Pravin P Chougule**

In response to the Safety Audit Report ,I have taken appropriate Measures and Report of same is attached herewith

Digital Signature of the Occupier

ACKNOWLEDGMENT

The Safety Audit at M/s Shogun Organics Limited

,was conducted at the instance of the management of company in the month of OCT 2024 .

The management is safety conscious, devoted for environment protection and health of their people and has taken many measures to implement the safety and objectives that management intends. Accordingly, management decided for conduction of Safety Audit of their plant at Plot no D-18, MIDC ,Kurkumbh ,Tal. Daund, Dist.- Pune 413 802

The objective of the audit was to identify the Hazards to Safety, Health, and Wellbeing of employees of the company arising due to deviations in the statutory requirements and provisions of standards, codes of practices and standard operating procedures and to suggest suitable remedial measures to minimize the hazards.

The audit was carried out for a systematic and documented evaluation of the existing Occupational Safety, Health and Environment systems and procedures as per IS 14489 by Lead Auditor **Mr. Pravin Chougule** Approved Safety Auditor as per Maharashtra Safety Auditor Rules, 2014.

We, Auditor are pleased and thankful to Management M/s Shogun Organics Limited , for trust, which they had shown on us and assigned the job of Safety Audit. And especially Admin and Safety Dept. staff for their active involvement during the field visits and for providing all necessary inputs.

We also extend our cordial and sincere thanks for every help and co-operation given for carrying out the Safety Audit.

The audit report is prepared based on the information provided by the management and collected during the shop rounds in the month of Sept 2024

It is suggested that the management may initiate actions to implement the recommendations in a time bound manner to ensure that the target of Zero Injuries is sustained in the days to come.

Pravin Chougule

INDEX

1. COMPANY PROFILE

1. ABOUT THE ORGANIZATION –

Shogun Organics Ltd is a part of the Safex Group. Safex Chemical Ltd Serving India for the past 30 years, Safex Chemicals India Limited is an Agri-based company that aspires to fulfil every farmer's dream - high productivity and healthy crops. Our research-backed science and common vision help us work passionately to improve the lives of our customers.
We hold licenses and approvals for manufacture, sale, and export of a range of 'Household Insecticide Technical' materials, formulation of Agrochemicals & Pesticides. We supply to all the leading mosquito repellent brands in India. Along with a steadily growing market in India, we are successfully entering export markets. Our Company has representation and operations in six countries.

Shogun Organics Ltd. stands for quick response to customers, timely delivery, and competitive price.

Shogun Organics Ltd shall uphold its position as a leader in the manufacturing and formulation of Agrochemicals & Pesticides by conducting all its operations in a manner to protect the Environment, Health and Safety of our Fellow employees, contractors, visitors and other affected by our operations. **Shogun Organics Ltd** is committed for continual improvements in our Quality, Environment, Health, and Safety performance, and has implemented the QMS, EMS & OHSMS in accordance with the requirements of ISO 9001:2008, ISO 14001:2015, ISO 45001:2018 with the aim of enhancing customer satisfaction & to operate our business considering environment and social impacts.

2. GENERAL INFROMATION

1	Name of the company	Shogun Organics Ltd
2	Address	Plot no D-18, MIDC ,Kurkumbh ,Tal. Daund, Dist.-Pune 413 802
3	Telephone	9998968419
4	Email	santosh.panda@shogunorganics.com
5	Name of Occupier	Mr. Ramavtar Agarwal,
6	Name of Safety Manager/ Coordinator	Mr. Suryavanshi B. P.
7	Factory Manager	Mr. Santosh Kumar Lingaraj Panda

3. INTRODUCTION OF SAFETY AUDIT.

The Aim of the audit was to identify the hazards to health and wellbeing of employees of the company arising due to deviations in the statutory requirements and provisions of standards, codes of practices and standard operating procedures and to suggest suitable remedial measures to minimize the hazards.

I) AIMS OF THE SAFETY AUDIT:-

The following aims were set for the Audit Team

1. To examine and evaluate the accident prevention measures
2. To analyze the safety procedures, systems, and practices.
3. To observe the working conditions and operating methods, including storage / handling of raw materials / finished products.
4. To pinpoint occupational health hazards.
5. To check the adequacy of firefighting arrangements
6. To comment upon various statutory compliance.

II) STATUTORY & SCOPE

a) STATUTORY

The General Duties of the "Occupier" specified at Section 7-A of the Factories Act, 1948 gives different obligations of the occupier. These will be largely fulfilled if the observations/comments made in the present Audit Report are headed to and the recommendations implemented.

The various statutory provisions under Section 41-A to 41-H of the Factories Act, 1948, require the status of the safety to be periodically examined from an external Agency.

List of Finished Products in Existing Plant Please Refer **Annexure-I**

For the manufacturing of the above chemicals various types of Hazardous Chemicals are used /stored please refer **Annexure-II**

Hence the activity does make the factory categorized as an installation involving 'Hazardous Process' as per the first schedule of the Factories Act, 1948 under the Section 2(cb) :

b) SCOPE

The scope of the safety audit was limited to the safety and health of workers employed in the manufacturing processes and operations and the safety of the plant and equipment used in the factory.

The Audit was carried out as per the requirement under IS 14489 and the various Legislative requirements as applicable to the Plant.

"Management Systems" audit was done to access the management's involvement and commitment towards promoting safety and health systems at work.

Besides management systems audit, technical aspects of plant activities namely, storage and handling of substances, process and operational safety review, transportation safety, testing and examination of plant and equipment, housekeeping, waste disposal system, fire protection and control, etc. were also audited.

The following elements of management systems and technical aspects were audited as per IS 14489.

1. Health and Safety Policy
2. Safety Organization and Functions
3. Safety Documentation
4. Safety Committee
5. Safety Budget
6. Accident Reporting, Investigation and Analysis
7. Safety Inspection
8. Safety Education and Training
9. Safety Communication/ Motivation/ Promotion
10. First Aid
11. Occupational Health Centre
12. House Keeping

13. Noise
14. Ventilation
15. Illumination
16. Hazard Identification and Control
17. Safe Operating Procedure
18. Work Permit system
19. Waste Disposal System
20. Personal Protective Equipment
21. Fire Protection
22. Emergency Preparedness
23. Plant Layout and Area Classification
24. Static Electricity
25. Pressure Vessels (Fired &Unfired)
26. New Equipment Review
27. Lifting Machines and Tackles
28. Tank Storage Vessel Area
29. Colour Code for Pipelines.
30. Maintenance System.
31. Transportation of Hazards.

III) METHODOLOGY

Methodologies applied for conducting safety audit were as follows:

i) The following methodology was used to identify the hazards to health and safety of the employees due to deviations from the applicable statutes, standards, operating procedures, and the codes of practices by a team of experts in the field of Industrial Safety and Health.

ii) A thorough survey of various applicable statutes, codes of practices, standards & other literature was done prior to the field work to collect available safety and health related information applicable to the plant. Information was collected through the Questionnaire and discussions were held with the management. The Visit to the various plants of the Factory and the connected utilities were done to assess the deviations.

iii) An opening meeting was held with the Plant Head & other officials of the plant on the day of the field visit. The Audit team briefly explained the methodology to be used to carry out the Safety audit and the schedule to be followed during field visit. This meeting also helped in establishing mutual communication links between audit team & the plant executives and to confirm the resources & facilities needed by the audit team.

iv) The questionnaires regarding safety and health management and technical aspects as per IS 14489 (Code of practice on occupational safety and health audit) were discussed to obtain necessary information. The collected information & related documents were examined.

v) The following plants, i.e. Main plants, Work area, Utilities & Activities were inspected to assess the need for supplementing or modifying the details obtained through questionnaires and observing the actual work practices to suggest recommendations for improvements.

vi) Discussions were held with the plant workers, Supervisors, and management representatives to derive the information regarding existing measures on safety ,health and accident prevention practices in the plant.

vii) The Closing meeting was held with the Factory Manager and other officials of the plant on the last day of the field visit to apprise them with the salient audit observations and recommendations, the queries raised by the plant personnel was clarified by the audit team.

IV) STANDARDS:-

The audit was conducted with the following standards and codes of practices on safety and occupational health:

i) Indian Standard on Codes of Practices for Occupational Safety & Health Auditing (IS 14489:2018)

ii) Legislative Requirements (The Factories Act, 1948, the Explosive Act, 1884, the Boilers Act, 1923 and the Environment (Protection) Act, 1986, the Petroleum Act and the Gas Cylinder Rules etc.

iii) Current Safe Practices prevalent in the factory and the company internal controls.

V) DOCUMENTS VERIFIED:-

1. OS&H policy
2. Safety organization chart
3. Training records on safety fire and first-aid
4. Record of plant safety inspections
5. Accident investigation reports
6. Accidents and dangerous occurrences – statistics and analysis
7. Record of tests and examinations of equipment and structures as per statutes
8. Safe operating procedures for various operations
9. Record of work permits
10. Record of monitoring of flammable and explosive substances at work place -
11. Maintenance and testing records of fire detection and firefighting equipment
12. Medical records of employees
13. Records of industrial hygiene surveys (noise, ventilation and levels, illumination levels, airborne and toxic substances, explosive gases)
14. Material safety data sheets
15. On-site emergency plans and record of Mock Drills
16. Records of waste disposal
17. Records of effluent discharges to the environment
18. Housekeeping inspection records
19. Minutes of safety committee meetings
20. Approval of layouts and other approval from statutory authorities
21. Records of any modifications carried out in plant or process
22. Maintenance procedure records
23. Calibration of testing records

24. Shut down maintenance procedures
25. In service inspection manuals, records including that of material handling
26. Safety budget
27. Inspection books and other statutory records
28. Records of previous audits
29. Safety in transportation of hazardous substances

VI) FIELD VISIT:-

The field visit of the audit was carried in **OCT 2024** and the draft report was prepared and submitted. Based on the suggestions received the report was modified to the extent feasible and the Final Report has been prepared.

VII) DESIRE FOR IMPROVEMENT: -

During the assignment, discussions were held with the various officials of the company. From these dialogues it was quite apparent that apart from the legal obligations the management was keen of improving the safety culture of the factory. It was, therefore, very prudently thought that if an independent assessment of the status of safety is carried out, it could help the management to identify the areas responsible for the accidents that may take place in the factory. The future safety program could then be designed to take corrective actions for "Vulnerable Conditions and Actions." It was informed by auditor that the management should prepare an action plan and compliance report as it is a statutory requirement.

4. EXECUTIVE SUMMARY

is known for their products as well as their culture. The management is safety conscious and devoted to the Safety and Health of their employees. The company has taken measures to implement the Safety.

Even then, when the Safety Audit was carried out, few things were observed if management takes note of, would not only help in upgrading safety standards and boosting the moral of the employees, but also will help in increasing the productivity. It is worth noting that the management has shown much enthusiasm and interest in taking corrective steps immediately after the audit was over. It is expected that this level of enthusiasm be further maintained. A follow –up action plan is to be prepared and followed. Executive Summary is a short list of our observations and recommendations on the points we have observed for a quick glance at executive level.

I) Good Practices:

These are the existing safety practices which complying with statutory requirement are more than the law and these must be continued and monitored. A few of the Important Positives Points observed during the Safety Audit Visit to the plant worth mentioning are summarized below

(1) Housekeeping is maintained
(2) MPCB consent digital display at main gate
(3) Legal register available and maintained

II) Needs Attention:

This is the net outcome of the audit, which must be focused by the management for long term improvement in the Safety Management Systems and for preventing potential accident hazards.

The summary of the important recommendations is listed in **Observations and Recommendations Chapter-7** given below and it is suggested that the management needs to initiate actions to implement the recommendations in a time bound manner. The other minor recommendations are mentioned against each element of the Occupational Safety, Health and Environment systems which may also be implemented.

5 SAFETY AUDIT REPORT

SAFETY AUDIT QUESTIONNAIRE (IS-14489: 2018)			
C-1 OH & S MANAGEMENT			
SN	**OBSERVATIONS**	**STATUS**	**REMARKS**
1	Does the organization have OH & S policy?	Yes	Adequate
2	Who has signed the OH & S policy?	Mr. Neeraj Kumar Jindal	Safety Policy to be signed by Occupier
3	Whether the OH & S policy is per guidelines of the statutory provisions?	Yes	Adequate
4	When was the OH & S policy declared and adopted?	Declared 2010	Nil
5	Whether the OH & S policy reviewed periodically?	Yes	Nil
6	Whether the OH & S policy is available in local language and made known to all?	Yes, available in English and Marathi , and displayed at Main gate and conspicuous locations	Nil
7	What was the last date of updation?	17-05-2022	Nil
8	Does the policy find a place in the annual report?	No	Policy shall find a place in the Annual report
C-2 OH & S ORGANIZATIONAL SET UP			
	C-2.1 Safety Department		
9	Does the factory have a safety department and what is strength of safety department?	4 Safety officers Bajrang Suryavanshi ,Onkar Tamgave, Ashutosh Taware, Sandeep kothimbire	Nil
10	Whether the strength and qualifications of Safety Officers are as per the statutes?	Yes	Nil
11	Does the head of safety department report to the Chief Executive?	Safety Officer reports to Factory Head	Head of safety department needs to be report to CEO

12	How often are the safety officers retrained in the latest techniques of total safety management? What is the frequency of retraining?	Retraining records not available	Safety officers retraining to be imparted
13	What additional duties the safety officer is required to do?	Only safety Related activities	Nil
14	What is the power of safety officer vis-a-vis unsafe condition or unsafe act?	Safety officer have power to stop unsafe activity	Nil
C-2.2 Safety Committee(s)			
15	Does the factory have a safety committee(s)? what are the types, structures, and terms of reference of the committees?	YES	
16	Is the constitution of the safety committee(s) as per the statute?	YES	
17	How are the members of safety committee(s) selected? (elected / nominated)	Nominated 22 members	
18	How often are the meetings of safety committee(s) held?	Quarterly (Last conducted on 27/08/2024)	Nil
19	Are the recommendations of the committees(s) implemented?	Yes	
20	Are the minutes of the safety committee(s) meetings circulated among the members?	Yes	
21	Are the minutes forwarded to the trade union(s) and chief executive and occupier?	Yes, Forwarded to the MD	
22	Whether the management and trade union play their active roles in supporting and	Yes	

	accepting the committee(s) recommendations?		
23	How are the safety committee(s) members apprised of the latest development in safety, health and environment?	Frequent monitoring and target achievement specified in the MOM	
C-2.3 Safety Budget			
24	What is the annual safety budget?	Not recorded , but no limit for the safety related expenses	The site shall provide 3% budget of total revenue generation and capital investment.
25	How much percentage is this budget of the total turnover of the company?	Not recorded	
26	How much budget has been utilized till date?	Not recorded	
27	Is the safety budget adequate?	Yes	
28	How is the safety budget arrived at?	On the basis of Safety requirements in plant	
29	What is the pattern of expenditure for the last five years?	Safety related – capex, FPS system , PPE , monitoring , measuring etc.	
30	What are the approved sanctions for the expenditure in this budget?	All Approved, no constraints for Safety	
31	Does this budget get reflected in the annual report of the company?	No	
C-3 SAFETY MANUAL			
32	What is the periodicity of updation / review of safety manual?	Safety Manual not available	Safety manual shall be prepared ,all hazards need to be addressed in manual, and the employees needs to
33	Does the safety manual adequately address all the hazards in the plant?	No	

34	Are the employee made aware of safety rules / instruction mentioned in the safety manual?	Safety Manual not available	made aware of the hazards
C-4 STANDARD OPERATING PROCEDURES (SOP)			
35	Are written Standard / safe operating procedures available for all operations and processes?	Yes ,SOPs available	Sops available in English , The Safe Operating Procedures shall be displayed in local languages and explained to the workers
36	Whether the written Standard / safe operating procedures are displayed or made available and explained in the local language to the workers?	Available in English , not available in local language	
37	Whether concerned section and safety department prepares standard / safe operating procedure jointly?	YES	
38	Are standard / safe operating procedures reviewed and updated?	YES	
39	Have the workers been informed of the consequences of failure to observe the standard/safe operating procedures?	YES	
C-5 PLANT MODIFICATION PROCEDURES			
40	What is the system for effecting any change in the existing plant, equipment, or process?	MOC Available	Nil
41	Whether the P & I diagrams and other related documents are updated accordingly?	Yes	
42	Whether hazard assessment done before implementation of modification?	Yes	
C-6 WORK PERMIT SYSTEM			

43	What types of work permits exist in the factory?	Height, Hot, general Work, Electrical , Confined Space , excavation , etc.	
44	Are the necessary forms detailing required safety precautions have been prepared and used for each type of work-permit?	YES	Responsibility needs to be assigned in written to authorized person for issuing of safety work permit Surprise checks and Work permit Audits needs to be conducted
45	Is the responsibility assigned to authorized person for issuing of safety work permit?	No written evidence	
46	Is the copy of safe work permit sent to safety officer before execution of the job?	YES	
47	Is validity period specified in the safety work permit?	YES	
48	Are the records of work permit available and maintained in proper order?	YES	
	C- 6.1 Control Measures for Work at Height		
49	Is adequate safe access provided to all places where workers need to work?	YES	System in place , Height phobia Test and medical checks needs to be conducted before issuing height Work
50	Are all such access in good condition?	YES	
51	Are all scaffolds are properly designed and erected?	Yes , as a when required	
52	Are scaffolds inspected every day before work begins?	Yes	
53	Are ladders securely clamped or lashed in place?	Yes	
54	Are planks in good condition?	NA	
55	Are scaffold walkaways, platforms, runs or stairs free of debris, grease, any unnecessary obstruction, and projecting nails?	NA	
56	Are the scaffolds higher than 20 m.? If yes, is a	NA	

	netting or intermediate railing provided between toe-boards and hand railings?		
57	Are folding stepladders properly used?	NA	
58	Are ladders set up at the proper slope of about 1:4?	NA , monkey Ladders available	
59	Do workers use hand lines to lift tools or materials?	In Place	
60	Are proper ladders used around electrical hazards?	Yes	
61	On sloping roofs, are crawling boards, lifelines, safety belts and edge protection provided where needed?	YES	
62	Whether the weak spots, skylights, or deteriorated asbestos-cement boards through which a worker might fall while working in the roof has been identified and safety net provided appropriately?	N.A	
63	Are the workers being medically examined for their fitness to work at height?	No	
C-6.2 Work in Confined Space			
64	Is work permit system followed for working in confined space?	Yes	Tool Box talk with vessel entry permits needs to be conducted and recorded
65	Whether monitoring of the atmosphere inside the confined space is carried out and ensured that there is no flammable or toxic gas in the area?	Yes	
66	Whether the person entering the confined space is using suitable personal protective equipment (PPE)?	Yes	
67	Is rescue team available in case of any emergency?	Yes	

C-7 CONTRACTORS' SAFETY SYSTEM			
68	Is there any system for selection of contractors?	YES	While selecting contractors the management shall consider past safety performance of the contractor.
69	Are there any guidelines on contractor's safety and training?	YES	
70	Whether contract document includes necessary safety and welfare clauses as per statutes?	YES	
71	Is there any programme to ensure use of PPE by contractors' personnel?	YES	
72	Do the contractors have their own safety organization?	YES	
73	Are the contractors reporting all accidents and injuries?	YES	
74	Are contractor workers trained to observe safety at work place?	YES	
75	Whether contractor workers are engaged in process / operations? If yes, are they aware of safe operating procedures?	YES	
C-8 PLANT DESIGN AND LAYOUT			
76	Whether hazardous operations in the plant are segregated?	Yes, Systems is in place	Nil
77	Whether occupational health & safety aspects are considered during the design?	Yes,SOP,HIRA,Training has been imparted and records in place	
78	Are all the equipment provided with adequate space for working, maintenance etc.?	Yes, Adequate Man-Machine is provided.	
79	Are the storage tanks provided with enough space /clearance between them?	Yes, Adequate place is provided for Maintenance and Man movement	
80	Whether the plant layout has taken care of the movement of firefighting	YES	

	equipment and emergency exits?		
C-9 MEDICAL MANAGEMENT OF ACCIDENTS			
81	Are medical facilities available with trained first aid staff and equipment in round the clock shift for all including contractors?	First Aid facilities are available. The site is having 10 -persons designated as first aider.	NIL
82	Is the ambulance van available for round the clock basis with the dedicated driver?	No, Deployed a dedicated vehicle in case of emergency 24X7	
83	Is there any mutual aid scheme available with the nearest hospitals to manage and treat injuries during emergency?	Agreement with nearest hospital Pyramid Hospital	
84	Are the workers / contractor workers aware of emergency medical facilities?	YES	
C-10 MANAGEMENT OF EMERGENCIES (NATURAL / MAN-MADE)			
85	Does the system exist to detect and control these Emergencies?	Sprinkler & detectors are provided at some locations	Requirements needs to be reviewed and provided
86	Are the employees aware of the measures to be taken during emergencies?	Yes	Nil
C-11 EMPLOYEES SELECTION AND PLACEMENT			
87	Whether norms are available for selection of different category of employees?	Yes	Nil
88	Whether pre-employment medical examination is being conducted for employees?	Yes	
89	Is there any procedure to evaluate safety awareness and record of the employees during their promotion?	Internal system in place	

C-12 SAFETY CULTURE			
C-12.1 Attitudes of Managers			
90	Do the managers follow the plant safety always rules?	Yes	Nil
91	What are their attitudes towards safety reviews and audits?	Positive attitude , their involvement is there and they are interested to improve the safety performance	Nil
92	What is the response of management to safety violation?	No compromise	Nil
93	Whether safety related decisions are taken in consultation with the workers?	Yes	Nil
94	What is the attitude of the managers towards nonuse of personal protective equipment?	No compromise	Nil
C-12.2 Attitudes of Workers			
95	Whether workers are aware of the consequences of their wrong actions?	Yes	Nil
96	Are laid down safe working procedures followed strictly?	Yes	Nil
97	What is the attitude of the workers towards their own mistake, which can prejudice safety?	Yes, Safety Ownership is adequate	Nil
98	Do the workers report near miss incidents and suggest safety improvements?	Yes	Nil
99	Are the workers aware of the system of rewards and sanctions relating to safety matters?	Yes	Nil
100	What is the attitude of workers towards use of personal protective equipment?	Yes, Positive attitude	Nil
C-13 STATUTORY LICENSES,APPROVALS AND RECORDS			
101	Whether all the safety related Acts / Rules (with latest amendments) applicable to	Yes,	Nil

	your organization identified, informed to all employees, and complied?		
102	Whether the licences have been validated?	Yes	Nil
C-14 MOTIVATIONAL AND PROMOTIONAL MEASURES FOR OH & S			
103	Does the factory have occupational health and safety suggestion scheme?	Yes	Nil
104	Are occupational health and safety contests organized in the factory?	Yes	Nil
105	Does the factory participate in National Awards?	No	The factory shall participate in National Awards
106	Has the factory been awarded during last five years?	No	Nil
107	Does the organization publish safety bulletin newsletters?	Yes	Nil
108	Whether the safety bulletins are widely distributed?	Yes	
109	How is the occupational health and safety information including accident statistics disseminated in the factory? (Bulletin boards, Newsletter etc.)	On Boards , No accidents ,	System in place
110	What are the activities conducted during National Safety Day / week	Safety Week, World Environment Day ,Competitions	Nil
111	What is the percentage of Workers participating in the various safety promotional activities?	100 % participation	Nil
C-15 HAZARD IDENTIFICATION ANDJOB SAFETY ANALYSIS			
112	Was an initial process hazard analysis (PHA) completed?	PSA , HAZOP done	Needs to be conducted, JSA to be conducted and
113	What are the stages of PHA? Whether a dedicated group is identified for PHA?	Yes	

114	Was the PHA appropriate for the complexity of the process and identify, evaluate, and control the hazards involved in the process?	Yes	checklists to be prepared
115	Does the hazard evaluation use one or more of the following PHA methodologies: What-If Analysis, Checklist Process, Hazard, and Operability Study (HAZOP), Failure Mode and Effects Criticality Analysis (FMECA), Fault Tree Analysis (FTA) or any other appropriate equivalent methodology?	HAZOP done	
116	Does PHA assures addressing issues of inherent safety features with respect to material and their properties?	Yes	
117	Does the PHA address the hazard identification, incidents history, consequences of failures (engineering and administrative controls), human factors, consequent analysis with respect to possible safety and health effects of failure of controls?	YES	
118	What are the stages of PHA? Whether a dedicated group is identified for PHA?	YES	
119	Does the system exist to promptly address findings and recommendations of PHA?	Before starting Operations ,YES dedicated group is available	
120	Are the PHA's updated and revalidated at least every five years by a qualified team to assure that the PHA is consistent with the current process?	Yes .	
121	Are the PHA's updated and revalidated at least every five years by a qualified team to assure that	Yes	

	the PHA is consistent with the current process?		
122	Whether the identified jobs for Hazard Identification have been carried out by trained and experienced persons?	YES	
123	Whether the checklists have been prepared on each Job Safety Analysis and are being used while carrying out the job?	No , JSA	
C-16 PRODUCT SAFETY			
124	Whether hazards arising from use of the products are identified?	Yes	Nil
125	Whether material safety data sheet prepared for the products?	Yes	Nil
126	Are all the products labeled and packed appropriately?	Yes	Nil
127	Whether safety instructions are given along with products?	Yes	Nil
128	Whether policy exists for recall of products?	Yes	Nil
C-17 SAFETY TRAINING			
129	Whether training needs have been identified?	YES	Electrical Safety training needs to be imparted , Training Hrs. per person/ Year shall be ore at least 8 Hrs.
130	Is there any programme of induction training ,its duration and topics covered?	YES	
131	Whether the assessment of the trainees has been carried out?	YES	
132	What are the infra-structural facilities available for training?	Audio Visual system, training Room ,etc.	
133	Whether training is conducted by qualified person?	YES	
134	Whether trainers are being re-trained from time to time?	YES	

135	Whether proper records of training program conducted are maintained?	Yes	
136	How training programs are evaluated?	Assessment after imparting the training	
137	Whether schedule for training on occupational health and safety is available and maintained?	YES	
138	Whether the training programs are reviewed?	YES	
139	Are all the employees periodically trained /retrained and what is the frequency of such training?	YES	
140	Are the retraining needs identified whenever a new process / products and change in existing process introduced?	YES	
141	Whether training covers top management?	YES	
142	How many hours of safety training is given to different employees?	4 hrs. /per person/ Year	
C-18 CHANGE MANAGEMENT			
C-18.1 Management of Change			
143	Are there written procedures for managing change to process chemicals, technology, equipment and procedures and changes to facilities that affect the plant process / system operation?	SOP are in place	MOC – needs to be imparted awareness program to all the line workmen.
144	Do the procedures assure that the technical basis for the proposed change addressed prior to any change?	Yes.	
145	Do the procedures assure that the impact of the change on safety and health addressed prior to any change?	Safety aspects included in every process SOP	

146	Do the procedures assure that modifications to operating procedures are addressed prior to any change?	Yes	
147	Do the procedures assure that the necessary time period for the change is addressed prior to any change?	Whenever change in product	
148	Do the procedures assure that the authorization requirements for the proposed change are addressed prior to any change?	Yes	
149	Are employees involved in operating a process, and maintenance and contract employees whose job tasks will be affected by change informed of, and trained in, the change prior to the start-up of process or affected part of process / operations?	Yes	
150	Is the safety information is reviewed and updated on changes?	Yes	
151	Are the operating procedures or practices updated?	YES	
C-18.2 Mechanical Integrity			
152	Does the mechanical integrity program include for all mechanical equipment including pressure vessels and storage tanks, piping, and components, relief devices and vent systems, emergency shutdown systems, pumps, control systems?	Yes	Needs to be strengthen

153	Are there written procedures to maintain the ongoing integrity of process equipment?	No	Sops to be prepared and maintained
154	Whether training been provided to each employee involved in maintaining the on-going integrity of process equipment?	No records	Trainings to be provided and recorded
155	Are inspections and tests performed on each item of process equipment included in the program?	Yes	Integrity Program me to be prepared
156	Does the inspection and test frequencies meet the manufacturer's recommendation and good engineering practice?	Inspections done regularly	Nil
157	Are inspections and tests performed more frequently if determined necessary by operating experience?	Yes	Nil
158	Are deficiencies in equipment that are outside limits corrected before further use to assure safe operation?	Yes	Nil
159	In the construction of new plants and equipment, whether quality assurance programme is implemented to ensure that equipment fabricated is suitable for the process?	Yes	Nil
160	Are appropriate checks and inspections made during equipment installation stage?	Yes	Nil
161	Are the suitability of maintenance materials, spare parts and equipment ensured during maintenance?	Yes	Nil
C-19 PHYSICAL HAZARD			
C-19.1 Housekeeping			

162	Are all the passages, floors, and the stairways in good condition?	Yes	Scope for improvement at some locations
163	Is glass door taped or otherwise marked to make it visible to workers?	Yes	Nil
164	Do you have the system to deal with the spillage?	Yes	Nil
165	Do you have sufficient disposable bins clearly marked and whether these are suitably located? Are containers of refuse (waste) and trash emptied at the end of every day or soon after they are full? Are the containers or bins regularly cleaned?	Yes	Nil
166	Are drip trays positioned wherever necessary?	No	To be provided
167	Do you have adequate localized extraction and scrubbing facilities for dust, fumes, and gases? Please specify	Yes ,Scrubber system, Exhaust fan, fuming hood provided	Nil
168	Whether walkways are clearly marked and free from obstruction?	Yes	Nil
169	Do you have any inter-departmental competition for good housekeeping?	No	Interdepartmental Housekeeping competitions to be conducted
170	Has your organization elaborated good housekeeping practices and standards and made them known to the employees?	No	Nil
171	Are there any working conditions, which make the floors slippery? If so, what measures are taken to make them safe?	Yes , Spill kits available	Nil
172	Does the company have adequate measures to suppress polluting dust arising out of materials stored on the roadside?	NA	Nil

C-19.2 Machine and General Area Guarding			
173	Whether machinery and equipment which can cause physical injuries to operator have been identified?	Yes	Nil
174	Are all moving parts and point of operation of machinery adequately guarded?	Yes	Pump coupling guards 360 degree guarding and fan guards needs to be reviewed
175	Are all fixed guards securely bolted in position and in good condition?	Yes	Nil
176	Are all interlock guards for prevention of physical injury in good condition?	Yes	Nil
177	Are all emergency stop buttons effective and clearly labeled?	Yes	Nil
178	Are the operators for machines having moving parts aware of the danger of working with loose clothing?	Yes	Nil
179	Are the openings where there is free fall hazard covered or fenced securely?	Yes	Nil
C-19.3 Material Handling			
180	Are adequate equipment available for handling materials?	Yes	Nil
181	Are the workers aware of the hazards associated with material being handled?	Yes	Nil
182	Where manual handling is necessary, are the workers been trained? Do they practice this? Are workers warned for lifting of excessive weight? (Maximum weight of material for adult male and female are 55 Kg and 30 Kg respectively)	Yes	Nil
183	Do workers follow safe procedures for storage of materials?	Yes, Sops available	Nil

184	Is the register maintained to record particulars of examination of all lifting machines, tools, and tackles?	Yes, Form 11 available	Nil
185	Are all the statutory examinations and tests carried out and certified by competent person(s)?	Yes, Form 11 available	Nil
186	Are the operators of crane, lifts, hoists, and other mechanized operations adequately qualified?	Yes	Nil
187	Is the safe working load clearly marked?	Yes	SWL shall be marked clearly wherever missing
188	Has the person employed to operate crane, forklift, or to give signals to crane been medically examined for eyesight and color vision?	Yes	Nil
189	Is the frequency of eyesight and color vision examination as per the latest rules?	Yes	Nil
C-19.4 Electrical Safeguarding			
190	Are licensed electricians available for electrical work?	Yes, Engineer available	Nil
191	Whether area classification for electrical equipment has been carried out?	No	Area classification for electrical equipment shall be conducted
192	Do the electrical fittings conform to area classification for electrical equipment?	Yes	Nil
193	Is a ground fault current interrupter system (ELCB) in use?	ELCB available	30 mA ELCB requirements needs to be reviewed and provided
194	Are all connections made by using appropriate plugs, receptacles, or enclosures? Are fuses provided?	Yes, tape joints observed at some locations	Tape Joints shall be avoided
195	Are there any make shift connection bare wires or damaged cables?	No	Nil

196	Is there a system of ensuring periodical inspection of hand tools, extension boards used for electrical work?	No	Checklists including safety points shall be prepared and implemented
197	Do the workers use proper types of PPE during the working on live line?	Yes	HT hand gloves shall be replaced Every Year/ correct rating shall be ensured
198	Is the separate work permit issued for working on high voltage line?	Yes	Provide a separate work permit issued for working on high voltage line
199	Whether the process(s) and equipment that generate and accumulate static charge have been identified?	Yes ,but detailed study report not available	Static charge generation study needs to be conducted
200	Whether all such equipment including pipelines for flammable materials are properly bonded and earthed?	Yes	Regular checks to be conducted
201	Whether earth pit resistance is measured and the record maintained?	Yes	Nil
202	Whether lightning arrestor has been installed and is adequate?	Yes	adequacy report shall be maintained
C-19.5 Safety in Storage and Warehousing			
203	Whether the Material Safety Data Sheet for all chemicals is available?	Yes	Nil
204	Are the chemicals stored as per their hazardous properties including the incompatibility?	Yes	Nil
205	Are all containers clearly, indelibly labelled? Are all chemicals stored as per safety regulations?	Yes	Needs to be reviewed
206	Whether all racks and steel cages have sufficient load bearing capacity?	Yes	SWL shall be displayed

207	Is adequate natural ventilation provided to store room? Is there any emergency exit?	Yes	Nil
208	Whether adequate firefighting arrangement existing in flammable chemical storage?	Yes	Nil
209	Whether methodology for handling spillages of hazardous chemical available along with the equipment required handling the spillage?	Yes	Nil
210	Whether aisles are marked and emergency exits displayed?	Yes	Nil
C-19.6 Hazard Assessment for New Equipment			
211	What is the system for effecting any change in the existing plant, equipment?	YES	JHA system to be implemented
212	Is there system for evaluating hazards from new equipment?	HIRA	
213	Whether the P and I diagrams and other related documents are updated accordingly?	YES, as a when required	
214	Is any Job Hazard Analysis (JHA) carried out after installation of new equipment?	No	
C-19.7 Hazards from Radiation Sources			
215	Whether licences have been obtained for storage / handling of radioactive material?	NA	Nil
216	Whether approved Radiological Safety Officer appointed?	NA	Nil
217	Whether appropriate PPEs are used against radiation hazards?	NA	Nil
218	Is the flooring of the radioactive material handling area amenable for proper decontamination?	NA	Nil

219	Is the storage room of radiation source as per the license condition?	NA	Nil
220	Are all persons working in the facility have radiation safety training?	NA	Nil
221	Are the operators handling devices using radioactive materials qualified and possess the necessary certificate?	NA	Nil
222	Is the periodical radiation monitoring carried out?	NA	Nil
223	Are the records of inventory of radioactive material maintained in the standard format and submitted to the competent authority as per the period specified?	NA	Nil
224	Are emergency handling tools available?	NA	Nil
225	Are the personnel monitoring badges (TLD, Pocket dosimeter etc.) assigned and worn by each radiation worker?	NA	Nil
226	Are the radiation symbol and red light displayed as required?	NA	Nil
C-20 CHEMICAL HAZARD			
C-20.1 Transportation of Hazardous Substances			
227	What potentially hazardous materials are transported to or from the site (including wastes)	Toluene, Cyclohexane, Acetonitrile	Nil
228	What mode of transport are used? 1) Road, 2) Rail, and 3) Pipelines	Road	Nil
	1) Road,	Yes	Nil
	I) Does the company employ licensed vehicle of its own / outside sources?	Yes	Nil

	ii) Are the loading / unloading procedures in place and safety precautions displayed?	Yes	Nil
	iii) Is there a provision to check the healthiness of road tanker with respect to explosives rules?	Yes	Nil
	iv) Are loaded tankers or trucks parked in a specific area on-site?	Yes	System to be strengthen
	v) Do all truck and tanker drivers carry transport emergency (TREM) card or instruction booklet?	Yes	Checking system to be strengthen
	vi) Do all truck and tanker drivers get training in handling emergencies during transport?	No	Needs to be checked for training certificates drivers
	vii) Are all the tankers marked for proper Hazchem code?	Yes	Nil
	2) Rail	NA	Nil
	I) What hazardous materials are transported by rail?	NA	Nil
	ii) Does the company have a direct siding on site?	NA	Nil
	iii) Are tankers or other wagons used in transportation?	NA	Nil
	3) Pipelines	NA	Nil
	I) What materials are transported to and from the site by pipelines?	NA	Nil
	ii) Are the pipelines underground or over ground?	NA	Nil
	iii) Are corrosion protection measures employed in pipelines?	NA	Nil

	iv) Whether intermediate booster pumps are used?	NA	Nil
	v) What is the maximum, minimum and average transfer rates?	NA	Nil
	vi) Are the pipelines extended in the public domain?	NA	Nil
	vii) Are the pipelines dedicated for each type of chemicals?	NA	Nil
	viii) Are the pipelines fitted with safety equipment such as leak detectors, automatic shut-off valves etc.?	NA	Nil
	ix) What is the frequency and method of testing of the pipeline?	NA	Nil
	x) Is there written procedure for tackling leakages in pipeline?	NA	Nil
C-20.2 Handling of Hazardous Substance			
229	What is the hazardous substance handled in the factory?	Toluene ,Acetonitrile, Cyclohexane, IPA,R-CMAC.	Nil
230	Whether quantity of hazardous substances is above the threshold limit specified in the Manufacture, Storage and Handling of *Hazardous Substances Rule*, 1989? If yes, then required documentation is available as per the rule	No	Nil
231	Whether written procedure for handling the hazardous substance is available and operators are trained for handling such substances including actions required in case of leakages and spillages?	Yes	

232	Are the employees aware of the hazards arising from hazardous substances and safety precautions to be taken during handling of these?	YES	Train all the concern workmen
C-20.3 Material Safety Data Sheets (MSDS)			No
233	Are the material safety data sheets available for all the chemicals handled, used, and manufactured in the factory?	YES	The factory shall provide MSDS of all the chemicals in Marathi language and train all the concern workmen.
234	Whether the latest MSDS are displayed at strategic locations?	YES	
235	Is it available in local language?	No	
C-20.4 Spill Control Measures			
236	Whether spill control procedure is available?	Yes	Nil.
237	Whether spill collection pit / sump is available at the workplace?	Yes	
	Whether methodology for recovery / disposal of collected material has been established?	Yes	
C-20.5 Storage of Hazardous Substances			
238	Whether storage vessels are identified with the capacity as required under *MSIHC, Rules* 1989.	Yes	Nil
239	What are the storage pressure and temperature?	Atmospheric temperature and pressure	Nil
240	Whether vessels are above ground / underground?	Above ground	Nil
241	If any of the tanks storing flammable material, whether electrical equipment and fittings are as per electrical area classification?	Yes, flame proof electrical installation provided	Nil

242	Is the bunded area considers the total quantity of the largest tank?	Yes	All bunds are interconnect, needs to be corrected
243	Whether the bund perimeter takes into consideration of trajectory of leak from tank?	Yes	All bunds are interconnect, needs to be corrected
244	Are the vessels properly bonded and earthed and whether periodically checked and record maintained?	Yes	Regular checks to be conducted
245	Are the vessels fitted with remotely controlled isolation valves?	No	Needs to be checked
246	Are vessels provided with emergency vent, relief valve, bursting disc, level indicator, pressure gauge, overflow line?	Yes	Nil
247	Where do such vents discharge?	Scrubber and dump tank	Nil
248	Are the vessels provided with alarms for high level, high temperature and high pressure?	No	To be provided
249	Are standby empty tanks or any other alternate systems provided for emptying / transfer in case of emergencies?	Yes	Nil
250	What are the provisions made for firefighting / tackling emergency situations around the storage vessels?	Yes ,provide Fire Extinguisher, Fire hydrant with foam monitor	Nil
251	Has any consequence analysis for loss of containment been carried out?	No	Quantitative risk analysis shall be done
252	Whether the vessels are tested as per statute?	Yes	Nil
253	Whether log sheets are filled up on daily basis for recording the parameters of these vessels?	Yes	Nil
254	Whether monitors for detection of leakage of flammable / toxic material installed?	No	Monitoring system shall be provided

255	Whether the chemicals stored are as per their compatibility?	Yes	Compatibility charts to be displayed where missing
C-20.6 Gas Cylinders			
256	What are the various gas cylinders used in the plant?	Oxygen,nitrogen,Hydrogen Gas	Gas leak detectors to be provided
257	Are valid licenses available for storing all these cylinders?	Not Applicable	
258	Are the cylinders stored and segregated as per their compatibility?	Yes	
259	What are the measures taken for combating any emergency in the cylinder's storage area?	yes	
260	Whether integrity test certificates are obtained from the suppliers of the cylinders?	Not available	
261	Are the cylinders chained and secured properly along with the valve caps and proper identification color code?	Yes,	
262	Are the cylinders protected from heat or sun and rain?	Yes	
263	Whether monitors for detection of leakage of flammable / toxic gas installed?	NO	
C-20.7 Labeling and Color Coding			
264	Are all the containers, vessels and storage tanks labeled for its content and capacity?	Yes	Nil
265	Whether the pipelines are color coded as per IS 2379?	No	Pipelines color coding shall be as per IS 2379
266	Is any plant specific color code followed?	Yes	Needs to be reviewed

267	Whether the color codes are displayed conspicuously in the working areas?	Yes, but missing at some locations	Color codes need to be displayed at all specific locations
C-20.8 Hazardous Waste Management			
268	Is identification done for various types of hazardous wastes?	Identification and segregation available	Nil
269	Are these quantities less than those specified by the Hazardous Wastes (Management & Handling) Rules, 1989?	Yes	Nil
270	What are their disposal modes?	Hazardous waste disposed to CHWTSDF	Nil
271	What are the systems / measures adopted for controlling air / water / land pollution?	Monitoring , Installed ETP Plant RO Plant	Nil
272	Whether the solid waste like combustibles, plastic , metals etc. segregated?	Yes, segregation is available	Nil
C-21 FIRE AND EXPLOSION HAZARD			
C-21.1 Organizational Set-up for Fire Fighting			
273	What is the total strength of fire station and fire crew?	Have separate Fire Fighting team	Fire Squared for each shift needs to be identified and ensure that at least 4 Fire Fighters are available in each shift .Refreshers Training shall be imparted to fire fighters and Fire Load calculations shall be conducted
274	How many fire crews are available in each shift?	Total 25 Fire Fighters available	
275	Is there fire squad identified in each shift?	No	
276	Standing fire order is available with latest revision	No	
277	How is the communication with fire station?	Communication Officer	
278	Does fire safety inspections carried out?	YES	
279	Does emergency procedure available for leakage or combustion of flammables?	Yes	

280	What measures are available to control the fire load in the plant area?	Fire load calculations not done , Fire Hydrant , Portable fire extinguishers, sprinklers available	
281	Whether technical knowledge and skills of the manager and staff responsible for overall fire safety of the plant is adequate?	YES	
282	How many major and minor incidents / fires were there in the factory during the last five years? Give department / plant wise	Nil	
283	Have all the fires / incidents been investigated and corrective actions taken? Give break-up	Nil	
284	Resources:		
	1) Adequacy of protective clothing (coat, trouser, gloves, boots, and helmets);	Yes	
	2) Availability of SCBA for firefighting operations and spare cylinders (at least 2 for each SCBA);	Yes 5 Sets available	
	3) Adequacy of hose, nozzles, ladders, lighting equipment and pumps; and	YES	
	4) Communication facility at fire station, walkie talkie sets during firefighting.	Telephones , Walkie talkie sets available	
C-21.2 Built in Safety in Civil Design and Construction			
285	Whether the two safe means of escape available? Are they in separate directions?	Yes	Nil
286	Are emergency exits provided to the building handling flammables?	Yes	Nil
287	Whether emergency lights are provided?	Yes	Nil

288	Whether fire / smoke detectors are installed in fire prone areas?	Yes	Nil
289	Whether fire call points are provided in different areas?	Yes, Total 33 Nos fire call points provided	Nil
290	Whether Fire hydrants are provided near the buildings?	Yes	Nil
291	Is ventilation system in plant handling flammables is adequate to prevent formation of flammable mixtures?	Yes	Nil
292	Is adequate separation is provided between combustible / flammable materials and other material to restrict the fire growth?	Yes	Nil
293	Access routes for firefighting operations is available for areas having high fire load	Yes	Nil
294	Whether building changes interferes with fire detection and / or fire suppression systems?	NA	Nil
295	Whether building changes cause unreasonable fire loading / openings in the fire rated walls?	NA	Nil
C-21.3 Built in Safety in Electric Circuits and Equipment			
296	Are the electrical equipment in areas where flammables mixture is likely to be present of flame-proof type?	Yes	Nil
297	Are lightning arrestors are provided to the buildings / structures storing flammable materials?	Yes	Adequacy shall be checked and recorded
298	Whether adequate bonding and grounding of electrical equipment / pipelines provided?	Yes	Nil
C-21.4 Explosive Substances			

299	Whether necessary license / approval taken from concerned statutory bodies	Yes	Nil
300	Whether systems for explosion suppression, high speed fire detection with deluge, sprinklers, explosion venting etc. are provided?	Yes	Nil
301	Whether explosion resistant walls or barricades are provided around explosive storage?	Yes	Nil
302	Whether explosive substance storage areas are restricted for entry?	Yes	Nil
303	Whether only trained persons are handling explosive substances?	Yes	Nil
304	Whether explosive substances are stored and transported in approved containers only?	Yes	Nil
305	Whether electrical fixtures in areas handling explosives are explosion proof type?	Yes , Flameproof electricals	Nil
306	Whether adequate measures are taken to prevent any sources of ignition where explosive substances are handled?	Yes	Nil
C-21.5 Fire Safety in Handling Flammable and Explosive materials			
307	Whether emergency procedure is available for control of leakage?	Yes	Nil
308	Whether emergency measures are displayed locally in case of accidental spillage / leakage?	Yes	Nil
309	Whether facility is provided for safe drainage of combustible or flammable liquids in case of leakages?	Yes, Spills kit and containment provided & disposed hazardous waste	Nil
310	Whether highly flammable liquids are stored under inert atmosphere?	NA	Nil

311	Whether flammable storage tanks are provided with flame arrestors?	Yes	Nil
312	Whether suitable PPEs are provided?	Yes	Nil
C-21.6 Fire Detection and Alarm System			
313	What type of fire detection and alarm system provided?	Yes, Smokes detector available.	Nil
314	Whether all fire prone areas of the plant are covered with fire detection system?	Smoke detector provided for Admin Office, LV Shed ,Production plant (Not operational at some locations)	Ensure that Fire detection system shall be always in working condition
315	Whether fire detection equipment and smoke alarms in good operating condition?	No, not working at some locations	Nil
316	Whether the number of fire call points are adequate and free from obstruction?	Yes.	Nil
317	Whether regular inspection / maintenance / testing of fire detection and alarm system carried out and records maintained	Yes.	System to be strengthen
318	Whether any atmospheric monitoring is carried out for explosive mixture of gases or vapours?	N/A.	Nil
319	Whether emergency power supplies are provided to fire detection and fire alarm system?	Yes.	Nil
320	Whether smoke detectors are located considering ventilation pattern?	Yes.	Nil
321	Whether annunciation of fire is local or in the control room or in both places?	Yes.	Nil
322	Whether fire panel is constantly attended?	Yes.	Ensure that the panel is in working
C-21.7 Passive and Active Fire Protection System			

323	What are the passive fire protection measures available? (barriers, doors, dampers etc.)	N/ A .	
324	Are the areas requiring fire barriers identified?	No.	
325	Whether the fire barrier provided is of adequate ratings?	N/A.	
326	Whether ventilation ducts in flammable areas have been provided with isolation dampers of suitable fire rating?	N/A.	Nil
327	Whether sprinklers / deluge is installed wherever necessary?	YES	
328	Whether regular inspection / maintenance / testing of fire protection system carried out and records maintained?	YES	
C-21.8 Fixed Fire Extinguishing System			
329	What are the sources of firewater and whether they are dedicated to the fire extinguishing system?	MIDC water	Nil
330	Whether the capacity of dedicated water reservoir is adequate to supply to hydrants for minimum 2 h?	Yes , 5 Lakh cap.	Nil
331	Whether un-interrupted power supply is provided to the firewater pumps?	Auto Diesel Engine provided to Fire water Pump	Nil
332	Whether the extinguishing medium selected is appropriate to the class of fire (water, gaseous, foam, dry powder)?	Yes	Nil
333	Whether fire hydrants layout is available?	Yes	Nil
334	Whether additional (over minimum requirement) fire hoses, nozzles are available?	Yes	Nil
335	Whether the hydrants lines are kept pressurized?	Yes	Nil

336	Whether regular inspection / maintenance / testing of fixed fire extinguishing systems carried out and records maintained?	Yes	Nil
C-21.9 Portable Fire Extinguishing System			
337	Whether suitable type and numbers of fire extinguishers provided?	Yes	Nil
338	Whether the fire extinguishers are located at conspicuous position and easily accessible? Are they fully charged and tagged?	Yes	Nil
339	Whether fire extinguishers periodically inspected, tested, refilled and records maintained?	Yes	Nil
340	Whether defective / unchecked fire extinguishers present at site?	No	Nil
341	Whether additional fire extinguishers are available?	Yes	Nil
C-21.10 Fire Fighting Equipment and Facilities			
342	Whether fire tenders (water / foam) are available?	Not applicable	Nil
343	Whether the fire-fighting system and equipment approved, tested, and maintained as per relevant standard?	YES	
344	Whether the SCBA / fire suit provided to firefighting team for immediate action?	Yes, SCBA available	
345	What is system for maintenance / recharge of SCBA?	No	
346	Is proper access available for firefighting equipment?	YES	
347	Whether fire hose cabinets are in good condition, easily visible, and accessible?	YES	

348	Whether drill tower is available? Are fire personnel carrying out regular fire drill?	Yes, Conducted	Nil, Drills shall be conducted regularly , Blackout drills shall be conducted
349	What is the communication facility at fire station? Is it adequate?	Phone	
C-21.11 Fire Drill			
350	Whether mock fire drills are conducted? What is the frequency of drills?	YES, Six monthly	Nil, Blackout drills shall be conducted , feedback of fire drill needs to be documented
351	Whether fire drills are also performed in night shift	No	
352	Whether feedback of fire drill is documented?	No	
353	What is the system of mutual-aid scheme?	No	
C-21.12 Fire Fighting Training			
354	Whether there is a system of providing firefighting training to plant personnel?	YES	Nil
355	What is the frequency and duration of such training? Whether training records are maintained?	2 Hours	
356	Whether fire squads are identified for different areas for first-aid firefighting and rescue, and suitably trained?	In place	
357	Are all personnel conversant with the fire prevention and protection measures?	YES	
358	Whether the fire staff are sent for refresher / advanced training courses?	No	
C-21.13 Static Electricity and Lightning			
359	Whether all vessels and pipes are provided with suitable bonding and grounding?	Yes	
360	Whether arrangement has been made for grounding the tanker containing flammable liquid during loading / unloading?	Yes	Nil

361	Whether spark resistant tools are provided?	Yes	Usage needs to be strengthened
362	Whether lightning protection is provided and is adequate?	Yes	Adequacy needs to be checked
363	Whether antistatic clothing, hand gloves and footwear are provided?	NA	Nil
C-21.14 Pressure Relief System			
364	Whether the listing of all 'pressure plants' [as defined under *Factories Act*] has been done?	Yes	Nil
C-22 INDUSTRIAL HYGIENE / OCCUPATIONAL HEALTH			
C-22.1 Ventilation, Illumination, Noise, Vibration, Heat stress and Non-ionizing Radiations			
365	**C-22.1.1** *Ventilation*		Ventilation survey needs to be conducted
	a) Whether any ventilation study has been carried out?	No	
	b) Whether natural ventilation is adequate or not?	YES	
	c) Whether dust / fumes / hot air is generated in the process?	Yes	
	d) Is there any exhaust ventilation system in any section of the plant?	Yes	
	e) Is periodic / preventive maintenance of ventilation system carried out and record is maintained?	Yes	
	f) Does any ventilation system re-circulate the exhausted air in work areas?	No	
	g) Is the work environment assessed and monitored for chemical and physical hazards?	YES, COVERED IN HIRA	
	h) Whether PPE are provided to workers exposed to dust / fumes and gases?	Yes	
366	**C-22.1.2** *Illumination*		

	a) Whether illumination study has been carried out for the assessment of illumination level?	No	
	b) Is there any system of periodical cleaning and replacing the light fittings / lamps to ensure that they give the intended illumination levels?	Yes	Nil
	c) Are the workers subject to periodic optometry tests and records maintained?	No	
	d) Are emergency lighting available at first aid center	Yes	
367	**C-22.1.3** *Noise*		
	a) Whether any noise study conducted?	Conducted periodically	
	b) Are there any machines / processes generating high-noise?	No	
	c) Whether engineering and administrative controls been implemented to reduce noise exposure below the permissible limits?	Yes, Ear plugs are provided	Nil
	d) Is there a system of subjecting all those employees to periodic audiometric test who work in high level noise areas?	No	
	e) Whether the workers are made aware of the ill effects of high noise?	Yes, Awareness is made through safety talks	
	f) Whether ear muffs / plugs are provided and used?	YES	
368	**C-22.1.4** *Vibration*		
	a) Are there equipment which contribute excess level of vibrations and whether they are identified?	NA	Nil
	b) Whether any vibration study has been carried out?	NA	Nil

	c) Are the measures taken to combat vibration to acceptable levels?	NA	Nil
	d) What is the frequency for measurements of vibration?	NA	Nil
	e) Are the records of measurements and maintenance of equipment / system maintained?	NA	Nil
369	**C-22.1.5** *Heat Stress / Cold stress (Extremes of Temperature)*		
	a) Are there sources from equipment increasing the heat load in work places?	Boiler area	Nil
	b) Whether evaluation of heat stress is carried out?	NA	Nil
	c) Whether natural ventilation is adequate to minimize the heat stress in work environment?	Yes	Nil
	d) Are resources available to deal with very hot or very cold conditions (drinking water, lined gloves, insulated boots)?	Yes	Nil
	e) Do workers know the symptoms of heat cramps / heatstroke or frost bite / hypothermia?	No	Nil
	f) Are the personal protective equipment suitable for reducing the effects of heat stress available?	Yes	Nil
370	**C-22.1.6** *Non-ionizing Radiations*		
	a) Does the work involve likely exposure to non-ionizing radiations (ultraviolet, infrared, radiofrequency, microwaves, lasers, etc.)	NA	Nil
	b) Whether risk assessment have been done for all work areas involving presence of non-	NA	Nil

	ionizing radiations?		
	c) Are the work areas displayed with relevant safety signs?	NA	Nil
	d) Are the employees aware about the hazards of non-ionizing radiations?	YNA	Nil
	e) Does written procedures exists for working in non-ionizing radiations?	NA	Nil
	f) Is the work environment monitored periodically for physical hazards and control measures initiated whenever deviation from permissible values is observed?	NA	Nil
	g) Whether suitable personal protective equipment are provided to workers exposed to non-ionizing radiations?	NA	Nil
C-22.2 Work Place Monitoring for Hazardous Chemicals			
371	Whether the dust, fumes, smoke aerosols and mist are monitored as per statute and records maintained?	Work zone air monitoring not conducted	Work zone air monitoring needs to be conducted
372	What are the types of detectors used for monitoring concentration of hazardous chemicals?	No	
373	Is any alarm system installed for any leakage of hazardous chemicals?	No	
374	Are antidotes available for toxic chemicals?	Yes	

375	Are control measures initiated whenever deviation from permissible values is observed?	No	
C-22.3 First Aid Facilities and Occupational Health Centre (OHC)			
376	Are adequate numbers of first aid boxes provided? Give location details?	Yes	Nil
377	Are qualified / trained first aiders available in each shift?	Yes	
378	How many qualified / trained first aiders are available at each plant / department?	There are 10 persons designated as first aider	
379	How many persons are trained / given refreshers training in first aid in a year?	Yes, 10 Nos	Nil
380	Whether occupational health center is provided?	First Aid room is available	
381	Does OHC conform to the provisions of the existing statutes?	yes	
382	Are the Medical Attendants / Doctors available in each shift?	Yes	
383	What facilities are available for transportation of the injured to hospital?	Dedicated vehicle provided	
384	Are the names of the trained first aiders displayed?	No	
385	Are the name of nearest hospitals and its telephone number available in OHC?	Available in First Aid center	Nil
386	Does the plant have any special preventive medicine program?	No	
387	Is ambulance posted in proper place and is it available whenever required?	Dedicated vehicle provided	
388	Are enough anti-dotes available in case of any emergency?	Yes	
389	Are fire safety measures provided in first aid Centre?	Yes	

390	Are emergency lighting arrangements available at first aid Centre?	Yes	
C-22.4 Periodic Medical Examination			
391	Whether the periodical medical examination of employees, required under relevant statute is carried out?	Yes	Annual health Checkups shall be conducted and records shall be maintained in Form 7 for the contract labors
392	Whether it is ensured that contractor's employee is medically examined during pre-employment as well as during employment?	No	
393	During the periodical medical examination of the workers, are they examined as per the hazardous process in which they work? (First schedule of *The Factories Act,* 1948)	Yes	
394	Are the records of all such examination maintained?	Yes	
C-22.5 Personal Protective Equipment and Emergency Equipment			
395	Whether list of required PPES for each hazardous activity is available?	Yes	Nil
396	Whether feedback from workers obtained during selection of PPE?	Yes	Nil
397	Have the workers been trained in proper use of PPE including BA sets?	Yes	Nil
398	What is the system of procurement, inspection, issue, maintenance, and replacement of PPE?	As per company purchase policy	Nil
399	Whether qualitative and quantitative fit-check for respirators is ensured prior to use?	Yes	Nil
400	What are the arrangements for safe custody and storage of PPE?	Yes, lockers provided	Nil
401	Are the contractor's workers provided with the required PPE?	Yes	Nil

402	Do the PPE conform to any standard?	Yes	Nil
403	Are sufficient eye wash fountains and safety showers available?	Yes	Nil
404	Whether appropriate respiratory protective devices are available in accordance to the hazard potential?	Yes	Nil
405	Are the staff members trained in the right uses of respiratory protective devices?	Yes	Records to be maintained
C-22.6 Occupational Diseases			
406	Whether pre-employment medical checkup data available?	Yes	Nil
407	During the medical checkup, is any person found having occupational diseases mentioned in 3rd schedule of *The Factories Act*, 1948?	No	
408	Whether the medical practitioner informed the Chief Inspector of Factories about the occurrence of the occupational disease?	As of now, NA	
C-23 ACCIDENT / INCIDENT REPORTING, INVESTIGATION AND ANALYSIS			
C-23.1 Accident Reporting and Database Management			
409	What is the procedure for accident / incident /dangerous occurrence reporting?	Internal system in place.	Nil
410	Whether the accident data for the last *five* years for reportable and non-reportable accidents are available?	No accident YTD	
C-23.2 Accident Investigation			
411	Are all the accidents investigated?	Yes	Nil
412	Whether accident investigation procedure is documented?	Yes	

413	Whether accident investigation reports are submitted to top management?	Yes	
414	How are the findings from accident investigation reports communicated to workers?	Through safety talks	
C-23.3 Analysis of Accidents			
415	Whether accident analysis is done as per IS 3786?	Yes , Procedure available , till date no accident	
416	Whether root causes of accidents are analyzed?	Yes , Procedure available , till date no accident	
417	Is the accident statistics effectively utilized? If yes, how?	Performance benchmarking through KPIs	Adequate
418	What nature of injuries occurred during the last five years?	Minor Cut, superficial burn etc.	
C-23.4 Implementation of Recommendations			
419	How does the management ensure implementation of the recommendations to avoid recurrence of accidents and incidents?	Review of procedure vide through management's decision.	Nil
C-23.5 Reporting and Investigation of Near-miss Incidents			
420	Is there any system of classifying and analyzing the near-miss incidents?	Yes, Internal system in place.	Nil
C-24 EMERGENCY PREPAREDNESS			
C-24.1 Site Specific Details			
421	Are the site area maps (including layout, access roads and assembly points) available in control room / emergency control Centre?	Yes	Nil
C-24.2 Duties and Responsibilities of Key Personnel			

422	Is the hierarchy of emergency response personnel right from site emergency controller downward, and alternative officials identified?	Yes	Nil
423	Are the duties and responsibilities assigned to the designated officials during emergency, both during and outside normal working hours clearly identified and understood by them?	Yes	Nil
C-24.3 Identification of Emergencies and Accident Scenario			
424	Are the possible accident scenarios leading to emergency identified and known to the operating personnel?	Yes	Nil
425	Are approved emergency preparedness plans (onsite and off-site) in place?	Yes, OEP available	Nil
C-24.4 Declaration and Termination of Emergency			
426	Is the list of designated officials who are to be communicated about declaration and termination of emergency available in the control room /emergency control center?	Yes	Needs to be reviewed
427	Are the methods of communication (siren, public address system etc.) for declaration and termination of an emergency known to all the workers?	Yes	OEP trainings shall be imparted
C-24.5 Resources-evacuation / Transport			
428	a) Are the following resources (equipment, personnel and procedures) required to handle emergency available?	Yes	Nil
	1) Communications,	Yes	Nil

	2) Public announcement systems	NO	Nil
	3) Monitoring of hazardous releases into the environment	NO	Nil
	4) Emergency shelters at the facility,	No	Nil
	5) Emergency exits with proper illumination, with uninterrupted power supply ,	Yes	Nil
	6) Direction for emergency exit / escape route marked in haulage / Alleyways,	Yes	Nil
	7) Transport for evacuation of plant personnel	Yes	Nil
	8) Medical care including administration of antidotes, and	Yes	Nil
	9) Security / maintenance of law and order.	Yes	Nil
C-24.6 Communication Facilities			
429	Does the emergency control Centre have direct communication links with the fire station and the plant control room?	Yes	Nil
430	Are there adequate alarm points from which an emergency alarm can be raised?	Yes	Nil
431	Is there infrastructure available for ensuring backup electric power supply for communication links where required	Yes	Nil
C-24.7 Medical Care			
432	Is the procedure for emergency medical care available?	Yes	Nil
433	Whether the system has been tested at regular frequency through mock drill / exercises for its adequacy?	No	Mock drills to be conducted
434	Does the system of periodic replacement of antidotes and medicines required in emergency exist?	Yes	Nil

C-24.8 Updation of Emergency Plan			
435	Is the emergency plan updated based on the feedback from the periodic drills / exercises?	Yes	Shall be reviewed periodically
436	Are the contact details of all concerned officials kept updated in the emergency plan?	Yes	Shall be reviewed periodically
C-24.9 Periodic Drills / Exercises			
437	Are mock-exercises conducted at stipulated intervals?	YES	Mock drills shall be conducted as per plan
438	Are the scenarios varied in the mock-exercises to ensure that all possible factors including meteorological conditions, affected plant personnel covered?	YES	
439	Whether emergency preparedness Plans have been tested and reviewed at regular frequency through mock drill for its adequacy	YES	
C-24.10 Training of Plant Personnel			
440	Are the plant personnel trained in handling emergency equipment?	Yes	Nil
C-24.11 Public Awareness Programmed			
441	Are public awareness programs conducted for the people around the site regarding the actions to be taken in case of off-site emergency?	No	Public awareness Shall be conducted
C-24.12 Mutual-aid Programme			
442	Are the types of accidents where external organizations would be involved in remedial actions identified? Are their responsibilities defined?	No	The factory shall develop mutual aid scheme.
443	Is the plant responsible for rendering mutual aid assistance to any other external organizations?	No	

	Does this assistance effect the plant's emergency preparedness?		
444	Whether the communication channels for mutual assistance identified and known with and between two organizations?	No	
C-24.13 Emergency Control Centre			
445	Is the emergency control center located beyond the effective distances of identified emergency scenarios?	No	Location of ECC to be reviewed in consideration that it will be available in case of emergency
446	If the emergency control center is located within the effect distance, is it suitably protected that it will be available in case of emergency?	No	
C-25 SAFETY INSPECTION			
C-25.1 Inspection Programme			
447	Are checklists available for inspections? For example, availability of checklists like:		
	a) Handling, Storage and Transportation of hazardous chemicals;	Yes	Nil
	b) Electrical hazards;	Yes	Nil
	c) Fire safety;	Yes	Nil
	d) Hand and portable power tools	No	To be prepared and maintained
	e) Machine hazards;	Yes	Nil
	f) Lifting equipment;	Yes	Nil
	g) Ladders and scaffolding;	No	Checklist for Ladders needs to be prepared and maintained
	h) Environmental Monitoring;	Yes	Nil
	j) Civil structure;	No	Nil
	k) Housekeeping;	Yes	Nil

	m) Emergency equipment; and	Yes	Nil
	n) Gas cylinder and other pressure vessels used / available in the organization	Yes	Nil
C-25.2 Safety Related Deficiency (SRD) Report			
448	Are SRDs generated based on the area wise checklists?	Area wise checklist not available	Safety Inspection checklists need to be prepared
449	What is the procedure for resolving the SRDs?	No	SRD observation CAPA is prepared with timeline and discussed during Committee meetings
450	Whether the procedure exists for notification and root cause analysis of non-conformities and action taken on them?	No	System to be implemented
C-25.3 Safety Inspection Records			
451	Are the safety inspection records maintained?	Yes	Nil
C-25.4 Methodology and Inspection Team			
452	Is there written procedure for safety inspection?	Yes	Nil
453	Whether safety inspection is carried out by a designated team?	Yes	Nil
454	What is the frequency of safety inspections?	Monthly	Nil
455	Whether an inspection report is generated?	Yes	Nil
C-25.5 Compliance of Recommendations			
456	To whom the recommendations are submitted	Factory Manager,	Nil
457	Are recommendations of safety inspections complied in time?	Yes	Nil

458	Is compliance of recommendations sent to top management?	Yes	Nil
459	Is compliance of recommendations reviewed by safety committee?	Yes	Nil
460	Does top management follows-up the compliance?	Yes	Nil

6. LEGAL REQUIREMENT

1. Rule 3-A Certificate of stability (Form No. 1A):-
    - The site has the plans approved from the DISH office and Stability Certificate from competent person Mr. Snehal Kothari dated 4.10.2023 Form no. 1A is available for Approved Plan Letter -122100000032173 dated 20/06/2023
    - **Plan Approval condition of Electrical Safety Audit not complied**

2. Rule 8 renewal of license:-
    - Factory License is Available for 250 Workers and power more than 2000 HP and is valid upto Dec 2025 (License No. -10016025)

3.Rule 20 & 51- Record of white-washing, painting etc. (form no.8) Records available

4. Rule 64 – Report of Examination of the crane & chain pulley block (Form 11)- available

The list of lifting tools & tackles is available and Form 11 available testing is done through the competent person Mr. Sudhir Mane on 26.05.2024

5. Rule 65 – Report of Examination of pressure plant/vessels (From 13) available

The list of pressure vessels is available and carried -out testing is done through the competent person Mr. Sudhir Mane on 26.05.2024

6. Rule 113 – Report of Accident by the Manager (Form 24) is available

There is a reportable accident reported on 8.11.2022

Investigation and analysis need to be conducted

- The Management shall record all the accidents.- All the accidents shall be investigated and analyzed as per IS 3786 codes.

7. Rule 45 – Latrine – 1/25 people.

latrines are Available.

8.Rule 67 – Protection of eyes

- The Management has provided Safety goggles to the workmen.

10. Rule 73 – J – Safety Committee

- The Management has a Safety committee is as per legal provisions.

11. Rule 73 – L – Health& Safety Policy

- The Management has prepared and declared the Health & Safety Policy . The Health & Safety Policy is as per Rule-73-L.

12. Rule 73 – V – Medical Examinations

- Annual Health Checkup shall be carried out with the help of certifying surgeon and reports shall be maintained in Form-7.
- Form 7 available Dr. Sameer Kulkarni 3/06/2024 (57 employees covered)

  Health Checkups shall be carried out through Certifying Surgeon and Form 7 needs to be maintained for all Employees

13. Rule 73 – W – Occupation Health Centers
    - Available
14. Rule 73 – X – Ambulance Vans
    - Not available.
    - The management has kept one emergency vehicle at main gate.
15. Rule 78 – Ambulance room
    - Available.
16. Rule 76 – First – aid appliance
    - First aid boxes are provided.
    - The site has trained few employees in First aid to ensure that at least 4-first aiders are available per shift.
17. Rule 77 – Notice regarding first – aid
    - Notice shall be displayed.
18. Noise Level
    - The Management has carried-out Noise level survey with the help of MoEF approved laboratory ,Green Envirosafe in July 2024
19. Rule 35 – Standards of lighting of factories
    - Illumination survey is done internally . (recommended to conduct the same through external competent agency at least once in a Year)
20. Rule 39 – Quantity of drinking water
    - Drinking water testing is done. Through Neel Water Care Technology 2.08.2024
21. Rule 70 – Fire Protection
    - Fire NOC is available for MIDC/IFMS/HINJEWADI/RE/FRE/PO/NFR/2023/B20005 . dated 08/04/2023
    - Form "B" submitted.- 31/07/2024 through FIRE SAFE SOLUTIONS
    - Hydrant System, Sprinkler system, Smoke detectors , MCP and Hooters provided

- The portable fire extinguishers are placed at Plant at different locations.
- Fire alarm panel etc.

Sr.No.	Pump	Capacity	Total Head	Discharge Pressure	LPM
1	Jockey Pump- Sprinkler system	5.5 H.P.(4 kw)	80 M	10 M^3 /hrs.	180
2	Main pump - Sprinkler system	120 H.P. (90kw)	70 M	273M^3 /hrs.	4500
3	Jockey pump-Hydrant system	5.5 H.P.(4 kw)	80 M	10 M^3 /hrs.	180
4	Main pump –Hydrant system	120 H.P. (90 kw)	70 M	273M^3 /hrs.	4500
5	Diesel pump	110 H.P.(80.9 k w)	70 M	273 M^3 /hrs.	4500

B	**Total Quantity (Fire safety)**	
Sr.No	**Description**	**Quantity**
1	Hose Box and Hydrant post	51
2	Foam Monitor	2
3	Hose Reel	21
4	Total number of sprinklers	899
5	Number of MCP (Manual call Point)	48
6	Number of Hooter	48
7	Beam Detector	7
7	Smoke Detector	174
8	Fire sand bucket	60
9	Total extinguisher Including spares	100
10	SCBA set	5

B	Total Quantity (Fire safety)	
Sr.No	**Description**	**Quantity**
11	Assembly point	2
12	Fire blanket (1MX15M)	26
13	Fire Blanket (5MX3M)	4
14	Moveable M.F.Trolley (200 Litr)	1
15	Fire resistance suit	1

C	Fire Extinguisher details:		
Sr.No.	**Type**	**Capacity**	**QTY (Nos.)**
1	M.F (A.B.)	9 Litr	14
2	Co2 (Gas)	9 Kg	3
3	A.B.C. (DCP)	6 kg.	50
4	A.B.C. (DCP)	5 Kg	11
5	A.B.C. (DCP)	2 Kg	6
6	A.B.C. (DCP)	9 kg	4
7	M.F. (A.B.)	45 Litr	2
8	CO2 (Gas)	4.5 kg	10
		Total	**100**

22. Rule 70 – 3. Protection against lightning -08 Nos

- **The management has provided lightening arrestor. The provisions shall be as per National Building Code 2016. IEC 62305 part-3. (Adequacy Report shall be maintained)**

23. Rule 58 – Register of specially trained adult workers.

- A register of specific trained adult worker as per MFR 1963 shall be maintained as and when required in Form No 16.
- Form 17 as per Rule 99 of MFR 1963 is available

24. Number of D.G. set & their capacity

- DG set is having capacity 320 KVA; Permission is obtained.

- Stack monitoring is done
- insertion loss testing needs to be done through MoEF approved laboratory.
- Form B is maintained

25. Number of the electrical connections with Service Number and demand load

- Demand load is 392 KVA

26. Total connected load

- Total Connected load is 1610 KW

27. The method of disposal of effluent and the final point of disposal of effluent.

- There is ETP available

28. The status of consent under the water, Air and Hazardous Waste Authorization.

- MPCB consent available CTO- RED/CSI(R37)/FORMAT1.0/CAC/UAN NO 00001162920/CE/2309001249 on dated 17.09.2023
- Air emission-

Boiler , DG set ,Thermo pack & Process vent

- Hazardous Waste-

Total identified and included in consent 22 HW

29. Environment Clearance :- EC22A017MH117397 dated 1.06.2022

30. The method of storage, treatment, and disposal of hazardous / solid waste (Area of storage and disposal, covered or open etc.)

The Hazardous waste is Sold to authorized re processor.- MEPL membership obtained Sent to Authorized Vendor – MEPL membership valid upto 20 April 2026

HW returns – Form 4- 24.06.2024

Form 3 - updated up to 30.09.2024

FORM 10- 30.09.24,22.09.24,6.8.24 sent to MEPL

Form V- 28.09.2024

30. Whether Factory has appointed a Factory medical officer. If, full time or part time. Please also include the details about the Name, Address and Qualification of the Factory medical officer.

- The factory has tie up with Pyramid Hospital , Daund
- Part time Doctor available Dr. Waghmode (Twice a week for 2 Hrs.)
- Full time Doctor and Nurse to be appointed

31. Whether insurance policy obtained under the PLI Act.

- The site has obtained Public Liability Insurance Policy.
- IFKO TOKIO – 41088338 from 22.03.24 to 21.03.25

32. PESO/ CCOE LICENSES

License – P/WC?MH/16/740 (P496325) For Petroleum A class 25 KL Valid upto 31.12.2031

33. INDIAN ELECTRICITY RULE

- The management shall ensure availability of wireman license/ supervisory license to the workman working on electrical installations.

- **SWITCH YARD (MAIN RECEIVING STATION)**
  - Main incoming supply is 11 KV/0.433 KV
  - Earthing is provided to earthing panel
  - Sand buckets provided
- **HT ROOM**
  - One T/F is provided 1600 KVA
  - Double earthing to panels is ensured
  - Ensure ISI marked rubber mats are provided on both the sides.
  - Electrical insulated hand glove of 11 KV rating needs to be provided
  - Rescue hook to be provided.
  - Arc flash study to be conducted
  - Thermography study to be conducted
  - RCD testing to be conducted
- **LT ROOM**
  - ISI marked rubber mats provided on front sides.
  - Artificial breathing chart is displayed
  - 4 Fire buckets are provided
  - First aid box with Ambu bag shall be provided.
  - T/F OIL filtration and Earth pit testing (2.08.2024)done through TRAFO FILTERS on 14.08.2024

34. BOILER HOUSE

MR/18624 , Composite Type Boiler inspection – 26.06.2024 to 25.06.2025

Boiler attendant Khomane Sanjay Arvind (0996 of 2024)

Following Team was involved.

1. **Mr. Santosh Kumar Panda**
2. **Mr. Sudhir Muley**
3. **Mr. R J Lad**
4. **Mr.Suryavanshi B P**
5. **Mr. Ashutosh Taware**
6. **Mr. Khimabhai Chanpa**
7. **Mr. Mohite Ajay**
8. **Mr. Mama Javir**
9. **Mr. Sujit Ramjandas**
10. **Mr. Santosh Vazarkar**

11. OBSERVATIONS AND RECOMMENDATIONS

Sr No.	OBSERVATION	RECOMMENDATION
	MAIN GATE (SECURITY OFFICE)/ EMERGENCY CONTROL CENTRE	
1	Emergency contact list, First Aiders ,Fire Fighters Lists displayed.	Good Practice
2	MPCB digital display	Good Practice
3	Antidotes , First Aid Box , SCBA sets etc available at ECC	Good Practice
4	On site emergency plan ;Electrical Single Line Diagram , Water Pipeline and Drainage layout copy not available at Security Office	On site emergency plan ;Electrical Single Line Diagram , Water Pipeline and Drainage layout copy shall be made available at Security Office / ECC
5	Overhead line of 11 KV is Passing from main gate - without any guarding accidental breaking of conductor can fall on the Chemical tanker can lead to major incident	Recommended for cradle guarding with proper earthing needs to be provided for Overhead electrical line
6	checklist for tankers at main gate is not available	Checklist as per Central Motor Vehicle Rules needs to be prepared and maintained
7	Head count system is not effective	Head count System at main gate needs to strengthen
8	used PPEs issued to the Visitors . No disinfection System available	Ensure the Reuse of PPEs shall be done after disinfection only
	TRANSFORMER YARD, LT ROOM AND D G SET AREA , Electrical System	
1	Transformer Yard fencing is not as per standard	The fence height shall be more than 2.4 meter and fencing earthing to be done
2	Danger signages are not confirming to IS 2551 standard	Danger signages shall confirm to IS2551 standard
3	Electrical Work is handles by an Electrical engineer but not designated as Electrical Safety officer	Electrical Safety officer to be appointed
4	Use of nonstandard ladders being observed	Use of nonstandard ladders needs to be stopped immediately
5	Rescue Hook and correct rating hand gloves not available	Rescue Hook and Electrical hand gloves with Working potential of 11 KV needs to be made available
6	Single line diagram , Shock treatment charts not displayed at Panel room	Single line diagram , Shock treatment charts needs to be displayed at Panel room
7	LOTO Kits not available and LOTO register Maintained	LOTO system needs to be implemented
8	Ambu bag is not provided along with first aid box.	Ambu bag shall be provided. Concern Persons should be trained in usage of Ambu Bag and CPR
9	MCC/PCC Room cob webs observed	Cleaning frequency of MCC /PCC are needs to increased

Sr No.	OBSERVATION	RECOMMENDATION
10	Open Holes in MCC / PCC Room Walls/Windows broken glass, can lead to unwanted entry of cats / Lizards etc. which can lead to short circuit	Site shall examine this point and prepare inventory of such cases and corrected ASAP
11	Open Slots , Tape joints , nonstandard Distribution Board usage observed I, Door Earthing , Cleaning not maintained for DB at some locations .	D B Open Slots shall be closed , Tape joints needs to be avoided , usage of domestic Boards shall be avoided ,cleaning frequency of Distribution Boards ,all Electrical Panels needs to increased and cob webs needs to be cleaned regularly
12	Thermography Study not conducted	Thermography study needs to be conducted at least once in two years
13	8 Nos of Lightening Arrestors Provided - but adequacy report not available	Lighteining Arrestors adequacy needs to be checked and report to be maintained
14	Suggestions	Flame proof Electrical integrity checks needs to be conducted
15	Suggestions	RCD testing needs to be done
16	DG set Battery terminal Caps missing	D G set Battery Terminal Caps needs to be provided
17	D G set Platform railing not provided , fall hazard	D g set Area Platform railing to be provided as a fall protection
	TOLUNE STORAGE	
1	Foam monitor , fire protection System not provided	Fire Load calculations to be done and Fire protection system to be revied and provided
2	Hazardous pictograms missing on drums	Ensure that every drum has the Specific Hazardous Symbols (pictograms)
3	MSDS not available , SOPs not available , Spill Kits , secondary containment not available	Toluene storage area - secondary containment , Spill kits , SOPs and MSDS in local language needs to be made available
	OCCUPATIONAL HEALTH CENTRE	
1	Part time doctor available	Good Practice , complied as per MFR 1963 73Wb(ii)
2	Qualified dresser cum compounder not available	As per MFR 1963 73Wb(iii) one qualified and trained dresser-cum-compounder on duty throughout the working period shall be appointed
3	First Aid Boxes are provided but are not fully Equipped as per Requirements of MFR	Fully Equipped First Aid Boxes needs to be provided in all departments as per MFR 1963 - 73Wb(iv)
	WAREHOUSE	
1	storage racks stability certificates not available	Storage racks stability certificates needs to be maintained
2	Storage Racks inspection checklist not available	Storage racks inspection checklist needs to be prepared and regular inspections to be carried out and recorded
3	Fork lift key control not effective	Forklift and stackers etc. key control needs to be strengthened

Sr No.	OBSERVATION	RECOMMENDATION
4	Use of black jerry cans for Hydrogen Peroxide drums is observed	Ensure use of only white / blue jerry cans (black jerry cans are supposed to be made from recycled plastic and hence have less strength, while white/blue jerry can are made from virgin plastic with more strength)
5	Hazardous pictograms missing on drums	Ensure that every drum has the Specific Hazardous Symbols (pictograms)
	PRODUCTION AREA	
	PLANT1	
1	Tanker Unloading - sops , PPE matrix etc. not displayed	tanker unloading SOPs needs to be prepared , PPE matrix to be displayed and ensure the usage of PPEs
2	HCL transfer Pipeline is sagging not properly supported	Ensure that the HCL and all pipelines proper supports , flange guards
3	Use of nonstandard ladders being observed	Use of nonstandard ladders needs to be stopped immediately
4	No toe guards provided at several places. This can cause trip hazard or can result in falling of spanners/tools etc. resulting in injuries to the operator from the ground floor.	Ensure that all the platforms are provided with toe guard , mid rail and top rail .
5	At several places there are level differences on the floor. These can cause trip and fall hazard.	It is necessary to provide black/yellow zebra panel on the floor where level difference exits.
	PLANT 2	
1	Transfer Pump coupling guards are not sufficient not confirming to 360 degree guarding	All nip points should have zero access / 360 degree guards. It would be advisable to refer to IS:9474-1980 specification for principles of Mechanical Guarding of machinery for design and maintenance of the machine guards.
2	Material hoist door interlock not available	Hoist door interlocks needs to be ensured
3	drums transfer on pallets through forklift are not clamped properly can fall and lead to spillage	Pallet strapping secures products by applying tension around a load, holding goods securely to ensure pallet stability.
	PLANT 3	
1	Ventilation at the top floor is not proper	Ventilation needs to be checked
2	Illumination levels are not proper	Illumination levels needs to be rechecked and corrected
3	Pipelines supports taken from other pipelines	Pipeline supports needs to be reviewed and corrected
	TANK FARM	
1	Dykes provided but interconnected	Dykes shall be separate for each tank
2	Spare tank of highest capacity not available	Spare tank of higher capacity needs to be provided as an emergency
3	Tank top railing toe guards are missing	Tank top toe guards needs to be provided
4	Emergency disaster plan for Overflow of tank is not available	Emergency disaster plan shall be prepared for the Overflow of chemical tanks

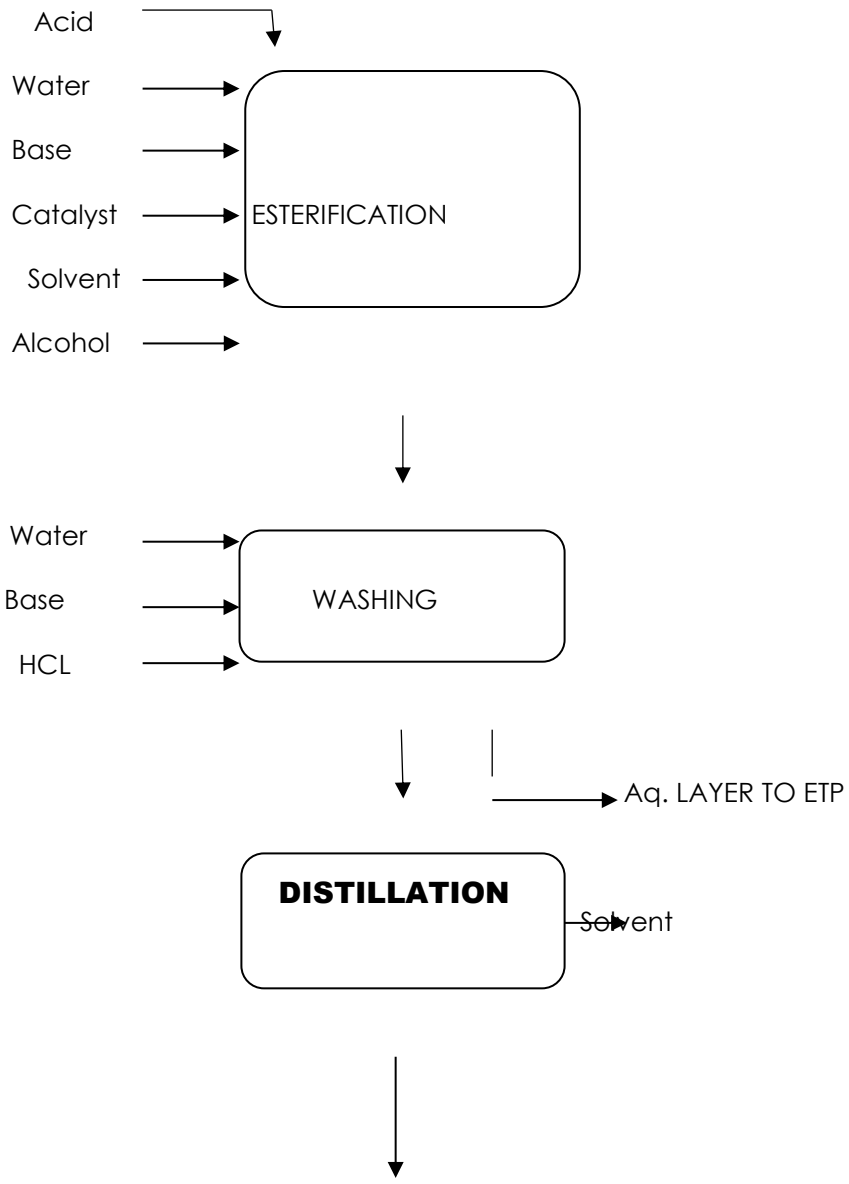
Sr No.	OBSERVATION	RECOMMENDATION
5	use of non-sparking tools was not evident during plant round	Ensure that only non-sparking tools are being used for solvent lines etc.
	LAB AND R&D	
1	Hydrogen Cylinders no clamped properly	Hydrogen cylinders needs to be properly clamped , cylinder handling procedure to be prepared and maintained
2	Hydrogen and Nitrogen gas detectors not provided	Hydrogen and Nitrogen gas detectors needs to be provided
3	Chemical compatibility charts not available	Chemical compatibility charts to be made available and chemical storage to be done according to its compatibility
4	Generation of spark during operation of valve of the cylinder due to use of ordinary key	It is necessary to use non-sparking key for operation of the hydrogen gas cylinders
5	No secondary containment for the receiving spent solvent from GC equipment had been provided	Recommended to provide the secondary containment ASAP
	FIRE PUMP HOUSE	
1	Jockey pumps – 1 no. Electrical Pump – 1 no. Diesel Engine – 1 no. System in Auto mode and pressurized	Good practice shall be maintained
2	P& ID not displayed	P& ID shall be displayed
3	Hydrant main line Valves are not locked in open position	Hydrant main line Valves needs to be locked at Open Position
	IBR	
1	SOPs not displayed at Boiler House	SOPS needs to be displayed in local language
2	PPE Matrix not displayed at Boiler House	PPE matrix needs to be displayed at Boiler House
3	Boiler Stack (chimney Thickness tests) and stability certificates not available	Chumney thickens and stability certification needs to be obtained
4	Boiler Suits not available	Ensure that all PPEs are in place and used
	ETP Area	
1	Wet Area metal structures are not earthed	All metal structures and Pumps etc. needs to be double earthed
2	LDO storage drums no identification labelling	Ensure that all drums should have the identification and hazard labelling
3	Resue of chemical drums	Sops for the reuse of chemical drums (including cleaning) needs to be prepared and followed
	Others	
1	Cooling tower no safe access for maintenance Work	Cooling tower proper safe access to be provided with platform and railing for maintenance activity
2	Briquette storage area	Sprinkler system needs to be provided at fuel storage area

Sr No.	OBSERVATION	RECOMMENDATION
3	Contractor portable electrical equipment checklist not available	Portable electrical Equipment's and contractors' equipment's checklist to be prepared and maintained
4	Plan Approval conditions are not complied	As per Plan approval from DISH condition of Electrical safety Audit is not fulfilled
5	Work Permit System	Height Work - Height phobia test to be conducted , Responsibility and Authority letters for the All Work Permit issuers /Approvers to be issued in writing with their acceptance

8.SUPPORTIVE DOCUMENTS

PROCESS FLOW CHART

Process Flow Diagram



(EBT, TF, ETOC, RNF)

- **List Of Finished Good**

Sr.No	Material Description
1	CYPERMETHRIN TECHNICAL
2	Tech. D-Trans Allethrin
3	Tech. D-Allethrin
4	Tech. Prallethrin
5	Tech. Transfluthrin
6	Permethrin Technical
7	Tebuconazole Technical
8	CLODINAFOP PROPARYL TECHNICAL
9	Thiamethoxam Technical
10	Renofluthrin 5% MUP
11	Dinotefuran Technical
12	Bispyribac Sodium Technical
13	Quizalofop Ethyl Technical
14	Penoxsulam Technical
15	Metribuzin Technical
16	Chlorantraniliprole Technical (CTPR)
17	Dimefluthrin Technical
18	Ametryn Technical

List of Raw Material

Sr.No.	Material Description
1	SODIUM BI-CARBONATE
2	ATRAZIN TECHNICAL
3	2 CHLORO 5 CHLORO METHYL THIAZOLE (CCMT)
4	3 METHYL-4-NITRO-1,3,5-OXADIAZINE (MINO)
5	ISO Propyl Alcohol
6	2,3-DIFLURO-5-CHLOROPYRIDINE (CDFP)
7	2(4 HYDROXY PHENOXY)PROPIONIC ACID(RHPPA
8	Chrysanthemic Acid Chloride 20:80
9	Chrysanthemic Acid Chloride 2:98
10	High Trans Cypermethric Acid(HT CMA)
11	Prallethlone Alcohol
12	2,3,5,6-Tetra Fluoro Benzyl Alcohol
13	Meta Phenoxy Benzyl Alcohol
14	Hydrochloric Acid
15	Caustic Soda Flakes
16	Butylated Hydroxy Toluene (BHT)
17	Sodium Carbonate (Soda Ash)
18	Sodium Chloride (Salt)
19	Potassium Carbonate
20	Thionyl Chloride
21	Sodium Thio Sulphate
22	Acetic Acid
23	Sodium Hypochlorite

24	Fuller's Earth (Clay)
25	Activated Carbon (Charcoal)
26	Ephedrine Hydrochloride
27	Asterix (Perfume) D 1606838
28	Wick (72 mm)
29	PP Top (Red)
30	PP Bottom (White)
31	Flower Top (Grey)
32	Flower Bottom (Grey)
33	Moulded Plug(3 Pin Flat Type-White)
34	Moulded Plug (2 Pin Round Type-White)
35	Moulded Plug Holder (2Pin-R-Type-ABS-Red
36	PTC Heater with Resting Patti
37	LED Bulb Assembly
38	Vinol RE 950
39	Toluene
40	Methanol
41	Ethylene Di Chloride
42	Methylene Di Chloride
43	Mintroleum
44	Acetone
46	Hydroseal G3H
47	Dimethyl Formamide
48	Solvesso 200
49	Butyl Carbitol
51	Sulphuric Acid

52	Caustic Pot. Flakes
53	Dimethyl Sulphate (DMSO4)
54	Meta Phenoxy Benzyldehyde (MPB)
55	4-Dimethyl Amino Pyridine(DMAP/Catalyst)
56	Moulded Plug Round 2Pin White(Elbow Mac)
57	Flower Top (Green)
58	Cypermethric Acid Chloride (80% CIS)
59	1,2,4-Triazole
60	Dimethyl Sulfide (DMS 04)
61	N-Butanol
62	4-Methoxymethyl-2,3,5,6 TetraFluroBenzAl
63	Moulded plugs -3 Pin Flat Type-Grey
64	Tri Ethyl Benzyl ammonium Chloride(TEBAC)
65	Sodium Cyanide
66	Sodium Sulphate
67	Methanol
68	Dimethyl Formamide
69	Ketrul D80S
70	3-Pyridinecarboxylic acid-4-triflurometh
71	Acetonitril-2-aminohydrochloride
72	Fluid D135 S
73	Hydrogen Peroxide
74	2,6-DIHYDROXY BENZOIC ACID 98% MIN(DHBA)
75	2-Methysulfonl 4,6DimethoxyPyri-MSDP-BIS
76	N,O-Dimethyl-N-nitroisourea- NODN (DINO)
77	Monoethylene Glycol

78	DTPA-PENOXSULAM TECH
79	Dimethyl Sulfoxide
80	3,5 Lutidine
81	Acetonitrile
82	Dimethyl Sulfoxide
83	ISO Propyl Alcohol
84	Caustic Soda Lye (48%)
85	Methane Sulfonyl Chloride
86	Amino CMBA- CTPR Tech
87	Phenyl Chloro Formate
88	Di Isopropyl Amine
89	Hydroquinone Pure
90	Sodium Perborate Tetrahydrate

- **List of Storage Tanks & Capacity**

Sr.No	Material Description	Tank Capacity KL
1	Methanethiol sodium	25
2	Caustic Lye	15
3	Sulphuric Acid	15
4	Dimethyl Sulphate	15
5	Dimethyl Formaimde	25
6	Hydrochloric Acid	25
7	Methanethiol sodium	10

ACTION PLAN

This Safety Audit was carried out by Mr. Pravin P Chougule., ApprovedSafety Auditor by Govt. of Maharashtra. There are adequate numbers of safety systems designed to cater to the needs of the site backed with budgetary support, strict administrative control, and follow up is required and records shall be maintained properly. Internal audits, internal inspections, training program, mock drills should be carried out at regular intervals. The Management was found to have positive approach towards the safety at site. There is a satisfactory compliance of the legal requirements. The management is keen to follow up on the compliance needs.

In conclusion, to fulfil the Safety Audit objectives the audit team urges that the safety standards should be looked after satisfactorily to ensure the safe operations at site. In pursuit of continual improvement, the systems have adequate ability to achieve the desired goals.

Action on the Safety Audit report by the Occupier is most important. As the nature of recommendations cover many aspects of the site activity, all cannot be complied simultaneously but can be phased out. Definite action plan for compliance and regular follow up will help in achieving the objectives of theAudit.

Disclaimer

The Occupier/Factory Manager has requested us to carry out a safety audit as per IS -14489 Indian Standard Code of Practice on Occupational Safety and Health Audit to supplement the provisions of chapter IV of Factory Act 1948, (See Rule 3). This Safety Audit is carried out as per prevailing condition of Factory and as presented to us.

Every effort has been made to ensure that all statements and information provided in the report are given in good faith and are related to matters observed during the audit and the information supplied by the organization.

The items commented on in this report are limited to areas reviewed during the audit process, and should not be taken as identifying all areas of possible unsafe conditions and/or contravention of statutory requirements.

WE accept no responsibility to the organization or their (potential) insurers because of inaccuracies in the report arising for whatever reason if the report is disclosed for the purposes of obtaining insurance.

Safety Auditor will not be responsible for any changes, total or partial, in the manufacturing process (See Rule 3), plant & layout, and extension or modification of the building , any unsafe condition and/ or unsafe behavior ,operating equipment's / machines by untrained operators or personnel, by not maintaining Equipment's & Housekeeping or any environmental changes manmade or Natural after the Safety Audit.

END OF REPORT

18.

Safety Audit Action Taken Report on recommendation

SHOGUN
ORGANICS LIMITED

JAS-ANZ ISO 9001 ISO 14001 OHSMS 45001

Date:- 05/12/2024

To,
Joint Director,
Industrial Safety &Health
Maharashtra Labour Welfare Bhavan,
2nd Floor, plot No.G.P.163,G- Block
Sambhajinagar,M I D C (Thermax Chowk)
Chinchwad, Pune-411019

Sub. - Submission of Action taken Report and Safety Audit Report.
Respected Sir,
External Safety Audit of our Unit is conducted by Mr. Pravin Chougule recognized Safety Auditor on 1st and 2nd Oct 2024. And report of the same is uploaded on 24.10.2024, but due to some technical errors, we have not received the link to download Audit Report and upload Action Taken Report. Hence, we are submitting the hard copy of Safety Audit report and Action taken Report.

Please acknowledge receipt of the same.

Thanking you.

Yours Truly,
For,**SHOGUN ORGANICS LTD**

Authorized Signatory
05/12/2024

Enc. - Safety Audit Report
Action taken Report
Schedule II – Part A& B

05/12/24
सह संचालक औद्योगिक सुरक्षा व आरोग्य कार्यक्षेत्र १
महाराष्ट्र कामगार कल्याण भवन, तिसरा मजला,
संभाजीनगर, (थरमॅक्स चौक), चिंचवड, पुणे ४११०१९

महाराष्ट्र शासन

सुरक्षा लेखा परीक्षक मान्यता नुतनीकरण प्रमाणपत्र

प्रमाणपत्र क्रमांक : महाराष्ट्र राज्य/औसुवआ/सुलेप/सी-०२/२०२४.

असे कळविण्यात येते की, श्री. प्रविण प्रल्हाद चौगुले, फ्लॅट क्र. ११, सोहम अपार्टमेंट, सलोनी पार्क, जलोची, ता. बारामती, जि. पुणे, यांना महाराष्ट्र कारखाने (सुरक्षा लेखापरिक्षण) नियम,२०१४ अन्वये सुरक्षा लेखापरिक्षण करण्याच्या प्रयोजनासाठी राज्य शासनाद्वारे, पत्र क्र.एफएसी २०२४/प्र.क्र.८५/कामगार-४, दिनांक १२/०७/२०२४ अन्वये, "सुरक्षा लेखापरिक्षक" मान्यतेचे नूतनीकरण करण्यात आले आहे.

हे प्रमाणपत्र दिनांक १८/०७/२०२४ पासून दिनांक १७/०७/२०२६ पर्यंत वैध असेल. हे प्रमाणपत्र, यात याखाली निर्विष्ट केलेल्या अटींच्या अधीन राहून देण्यात आले आहे:-

(१) महाराष्ट्र कारखाने (सुरक्षा लेखापरिक्षण) नियम, २०१४ मधील तरतुदींनुसार, सुरक्षा लेखा परिक्षण करण्यात येईल.

(२) प्रत्येक सुरक्षा लेखापरिक्षण, भारतीय मानक, आय एस: १४४८९: व्यावसायिक सुरक्षा व आरोग्य लेखापरिक्षण पद्धतीबाबत संहिता, तसेच त्याची नवीनतम आवृत्ती आणि भारतीय मानक, आय एस: १४४८९: व्यावसायिक सुरक्षा व आरोग्य लेखापरिक्षण पद्धतीबाबत संहिता या व्यतिरिक्त वापरलेली मानके, तपासणी सूची, मार्गदर्शक तत्वे या अनुरूप असेल.तो किंवा संस्थेच्या बाबतीत, सुरक्षा लेखापरिक्षण करण्यासाठी प्राधिकृत केलेली व्यक्ती, सुरक्षा लेखा परीक्षण करतेवेळी प्रत्यक्ष उपस्थित असेल आणि केलेल्या कामाची नोंद ठेवील.

(३) सुरक्षा लेखा परीक्षण अहवालावर न चुकता प्रमाणपत्र क्रमांक व वैधता कालावधी नोंदवावा.

(४) वैधता कालावधी संपल्यानंतर कोणतेही सुरक्षा लेखापरिक्षण करण्यात येणार नाही.

(५) हे प्रमाणपत्र, त्याच्या वैधतेच्या कालावधीत कोणत्याही वेळी रद्द करण्याचा, विलोपन करण्याचा किंवा त्यात सुधारणा करण्याचा हक्क राज्य शासन राखून ठेवते.

(६) तो किंवा संस्थेच्या बाबतीत, सुरक्षा लेखापरिक्षण करण्यासाठी कामावर नेमलेली व्यक्ती, ज्या कारखान्यामध्ये असा लेखापरिक्षक किंवा व्यक्ती कामावर नेमलेली आहे अशा कोणत्याही कारखान्याचे किंवा ज्या कारखान्यामध्ये असा सुरक्षा लेखापरिक्षक नेमलेला आहे किंवा त्या कारखान्याचा भोगवटादार, भागीदार, संचालक किंवा व्यवस्थापक आहे त्या कारखान्याचा जो सहाय्यक कारखाना आहे अशा कारखान्याचे, अथवा निकट कुटुंबातील सदस्यांची, नातेवाईकांची

किंवा विस्तारित कुटुंबातील सदस्यांची मालकी असलेल्या, ते कार्यान्वित करीत असलेल्या, व्यवस्थापन करीत असलेल्या किंवा चालवीत असलेल्या कोणत्याही कारखान्याचे अथवा ज्यामध्ये असा सुरक्षा लेखापरिक्षक किंवा अशी व्यक्ती कोणताही संचालक आहे किंवा त्याचा कोणत्याही प्रकारचा अप्रत्यक्ष हितसंबंध आहे अशा कोणत्याही कारखान्याचे सुरक्षा लेखा परीक्षण करणार नाही.

(७) तो किंवा संस्थेच्या बाबतीत कामावर नेमलेली व्यक्ती, कारखाना अधिनियम, १९४८ च्या तरतुदींचे किंवा त्याखाली केलेल्या नियमांचे पालन करण्यासाठी ज्या कोणत्याही कारखान्यास, असा लेखापरीक्षक किंवा अशी व्यक्ती, कोणतेही संयंत्र, यंत्रसामग्री, कच्चा माल, सुरक्षा उपकरणे किंवा इतर साहित्य किंवा उपकरणे किंवा सेवा यांचा पुरवठा करते त्या कारखान्याचे सुरक्षा लेखापरिक्षण करणार नाही.

(८) सुरक्षा लेखापरिक्षक, एकाच कारखान्यात सलग दोन प्रसंगी कोणत्याही कारखान्याचे सुरक्षा लेखापरिक्षण करणार नाही;

(९) सुरक्षा लेखापरीक्षक, मागील तीन वर्षांमध्ये ज्या कारखान्याचे तो सुरक्षा लेखापरिक्षण करीत आहे अशा कोणत्याही कारखान्याचे सुरक्षा लेखापरिक्षण करणार नाही.

(१०) तो किंवा संस्थेच्या बाबतीत, सुरक्षा लेखापरिक्षण करण्यासाठी कामावर नेमलेली व्यक्ती, संस्थेच्या कर्मचाऱ्याचे मान्यताप्राप्त सुरक्षा लेखापरिक्षक असण्याचे बंद झाल्यानंतर देखील, लेखापरीक्षक म्हणून त्यांच्या कर्तव्याच्या ओघात त्यांना जी ज्ञात होऊ शकेल अशी, कोणतीही वस्तूनिर्मितीची किंवा व्यावसायिक गुपिते अथवा कामकाजाची प्रक्रिया किंवा इतर गोपनीय माहिती उघड करणार नाही.या संबंधात कोणतीही कसूर केल्यास, असा लेखापरिक्षक किंवा व्यक्ती, त्या त्या वेळी अंमलात असलेल्या कायद्यानुसार फौजदारी किंवा दिवाणी कार्यवाहीसाठी पात्र असेल.

(११) या प्रमाणपत्राची वैधता, या प्रमाणपत्रावर नमूद केलेल्या तारखेपर्यंत किंवा सुरक्षा लेखापरिक्षकाचे अठावन्न वर्षे वय पूर्ण होईपर्यंत, यापैकी जे आधी घडेल तोपर्यंत असेल.

क्र. औसुवआ/अपघात/सुलेप/०४/ ७५९६/७,
औद्योगिक सुरक्षा व आरोग्य संचालनालय,
कामगार भवन, ५ वा मजला, वांद्रे-कुर्ला संकुल,
वांद्रे (पूर्व), मुंबई-४०० ०५१.
दिनांक : 18 JUL 2024

(दिपक पोकळे)
संचालक,
औद्योगिक सुरक्षा व आरोग्य,
महाराष्ट्र राज्य, मुंबई.

SCHEDULE II

[See rules 8 and 9(1)]

PART-A

(1) Name and Address of the Company	Shogun Organics Limited , Plot no D-18, MIDC ,Kurkumbh ,Tal. Daund, Dist.- Pune 413 802
(2) Name of the Occupier	Mr. Ram Avtar Agarwal
(3) (a) Date and time of opening meeting of safety audit	1/10/2024 (10:00 am)
(b) Date and time of closing meeting of safety audit	2/10/2024 (5:00 pm)
c) Total man days taken to conduct the safety audit	2 Man days
(4) List of Raw materials with Maximum Storage quantity	Available & attached
(5)List of Finished products with maximum storage quantity	Available & attached
(6) Manufacturing process flow chart	Available & checked
(7) List of dangerous operations carried out in the factory as defined in rule 114 of the Maharashtra Factories Rules, 1963	1. Handling of corrosive substances. 2. Handling of highly flammable liquids. 3.Manufacturing of insecticide & Pesticide
(8) (a) Name/s of the Safety Auditor/s:	MR. PRAVIN P CHOUGULE ,
(b) Certificate no. and its validity duration:	Cert. No.-MS/DSH/SA/C-02/2024
(9) Whether enclosed Safety Audit Report is as per the Indian Standard, IS 14489 : Code of Practice on Occupational Safety and Health Audit, or any such standards prevailing at the relevant time, whichever is latest : (mention standards, check list, guidelines used in addition to the Indian Standard, IS 14489 : Code of Practice on Occupational Safety and Health Audit)	Yes , enclosed Safety Audit Report is as per the Indian Standard, IS 14489 : Code of Practice on Occupational Safety and Health Audit
Date of submission of Safety Audit Report to the factory:	24/10/2024
Digital Signature of Safety Auditor/s or employee/s of an Institution authorized to carry out safety audit.	Pravin Chougule Digitally signed by Pravin Chougule Date: 2024.10.24 19:51:43 +05'30'

PART B

Date of Receipt of Safety Audit Report from Safety Auditor : 24/10/2024

I undersigned. Mr. Ram Avtar Agarwal **Occupier** of the Factory Shogun Organics Limited ,

Plot no D-18, MIDC, Kurkumbh ,Tal. Daund, Dist.- Pune 413 802

hereby declare that , I have thoroughly reviewed and taken appropriate actions based on the findings and recommendations mentioned in Safety Audit Report by Safety Auditor namely **Mr. Pravin P Chougule**

In response to the Safety Audit Report ,I have taken appropriate Measures and Report of same is attached herewith

RAM AVTAR AGARWAL

Digitally signed by RAM AVTAR AGARWAL
Date: 2024.11.27 15:12:50 +05'30'

Digital Signature of the Occupier

SHOGUN
ORGANICS LIMITED

JAS-ANZ ISO 9001 ISO 14001 OHSMS 45001

OBSERVATION, RECOMMENDATION, ACTION TAKEN REPORT

Sr No.	OBSERVATION	RECOMMENDATION	ACTION TAKEN	STATUS
MAIN GATE (SECURITY OFFICE) / EMERGENCY CONTROL CENTRE.				
1	Emergency contact list, First Aiders ,Fire Fighters Lists displayed.	Good Practice	-	
2	MPCB digital display	Good Practice	-	
3	Antidotes , First Aid Box , SCBA sets etc available at ECC	Good Practice	-	
4	On site emergency plan ;Electrical Single Line Diagram , Water Pipeline and Drainage layout copy not available at Security Office	On site emergency plan ;Electrical Single Line Diagram , Water Pipeline and Drainage layout copy shall be made available at Security Office / ECC	On site emergency plan ;Electrical Single Line Diagram , Water Pipeline and Drainage layout will be available at Security Office / ECC	In Process
5	Overhead line of 11 KV is Passing from main gate - without any guarding accidental breaking of conductor can fall on the Chemical tanker can lead to major incident	Recommended for cradle guarding with proper earthing needs to be provided for Overhead electrical line	Requirement reviewed , and BOQ and RFQ initiated	In Process
6	checklist for tankers at main gate is not available	Checklist as per Central Motor Vehicle Rules needs to be prepared and maintained	checklist for tankers prepared and available at main gate	Completed
7	Head count system is not effective	Head count System at main gate needs to strengthen	Head count system at main gate strengthen	Completed
8	Used PPEs issued to the Visitors . No disinfection System available	Ensure the Reuse of PPEs shall be done after disinfection only	Reuse of PPEs done after disinfection only	Completed

TRANSFORMER YARD, LT ROOM AND D.G SET AREA, Electrical System.				
1	Transformer Yard fencing is not as per standard	The fence height shall be more than 2.4 meter and fencing earthing to be done	Requirement reviewed , and BOQ and RFQ initiated	In Process
2	Danger signages are not confirming to IS 2551 standard	Danger signages shall confirm to IS2551 standard	Danger signage's confirm to IS2551 standard	Completed
3	Electrical Work is handles by an Electrical engineer but not designated as Electrical Safety officer	Electrical Safety officer to be appointed	Electrical Safety officer appointed	Completed
4	Use of nonstandard ladders being observed	Use of nonstandard ladders needs to be stopped immediately	Standard ladders procured	Completed
5	Rescue Hook and correct rating hand gloves not available	Rescue Hook and Electrical hand gloves with Working potential of 11 KV needs to be made available	Rescue Hook and Electrical hand gloves with Working potential of 11 KV needs available	completed
6	Single line diagram , Shock treatment charts not displayed at Panel room	Single line diagram , Shock treatment charts needs to be displayed at Panel room	Single line diagram , Shock treatment charts displayed at Panel room	Completed
7	LOTO Kits not available and LOTO register Maintained	LOTO system needs to be implemented	LOTO system implemented	Completed
8	Ambu bag is not provided along with first aid box.	Ambu bag shall be provided. Concern Persons should be trained in usage of Ambu Bag and CPR	Ambu bag provided. Concern Persons & trained in usage of Ambu Bag and CPR	Completed
9	MCC/PCC Room cob webs observed	Cleaning frequency of MCC /PCC are needs to increased	Cleaning frequency of MCC /PCC are increased	Completed
10	Open Holes in MCC / PCC Room Walls/Windows broken glass, can lead to	Site shall examine this point and prepare inventory of such cases and	Open hole closed with mesh	Completed

	unwanted entry of cats / Lizards etc. which can lead to short circuit	corrected ASAP		
11	Open Slots , Tape joints , nonstandard Distribution Board usage observed I, Door Earthing , Cleaning not maintained for DB at some locations .	D B Open Slots shall be closed , Tape joints needs to be avoided , usage of domestic Boards shall be avoided ,cleaning frequency of Distribution Boards ,all Electrical Panels needs to increased and cob webs needs to be cleaned regularly	D B Open Slots closed , Tape joints avoided , usage of domestic Boards avoided ,cleaning frequency of Distribution Boards ,all Electrical Panels increased and cob webs cleaning started regularly	Completed
12	Thermography Study not conducted	Thermography study needs to be conducted at least once in two years	Requirement reviewed , and BOQ and RFQ initiated	In process
13	8 No's of Lightening Arrestors Provided - but adequacy report not available	Lightening Arrest or adequacy needs to be checked and report to be maintained	Requirement reviewed , and BOQ and RFQ initiated	In process
14	Suggestions	Flame proof Electrical integrity checks needs to be conducted	Flame proof Electrical integrity will be conducted	In process
15	Suggestions	RCD testing needs to be done	Requirement reviewed , and BOQ and RFQ initiated	In process
16	DG set Battery terminal Caps missing	D G set Battery Terminal Caps needs to be provided	D G set Battery Terminal Caps provided	Completed
17	D G set Platform railing not provided , fall hazard	D g set Area Platform railing to be provided as a fall protection	D g set Area Platform railing will be provided as early as possible as a fall protection	In process
TOLUNE STORAGE.				
1	Foam monitor , fire protection System not provided	Fire Load calculations to be done and Fire	Requirement reviewed , and BOQ and RFQ	In process

		protection system to be revived and provided	initiated	
2	Hazardous pictograms missing on drums	Ensure that every drum has the Specific Hazardous Symbols (pictograms)	Every drum La belled with Hazardous Symbols (pictograms)	Completed
3	MSDS not available , SOPs not available , Spill Kits , secondary containment not available	Toluene storage area - secondary containment , Spill kits , SOP's and MSDS in local language needs to be made available	Toluene storage area - secondary containment , Spill kits , SOP's and MSDS in local language tavailable	Completed
OCCUPATIONAL HEALTH CENTRE.				
1	Part time doctor available	Good Practice , complied as per MFR 1963 73Wb(ii)	Part time doctor available	
2	Qualified dresser cum compo under not available	As per MFR 1963 73Wb(iii) one qualified and trained dresser-cum-compo-under on duty throughout the working period shall be appointed	As per MFR 1963 73Wb(iii) one qualified and trained dresser-cum-compo-under on duty throughout the working period will be appointed	In process
3	First Aid Boxes are provided but are not fully Equipped as per Requirements of MFR	Fully Equipped First Aid Boxes needs to be provided in all departments as per MFR 1963 -73Wb(iv)	Fully Equipped First Aid Boxes provided in all departments as per MFR 1963 - 73Wb(iv	completed
WAREHOUSE.				
1	storage racks stability certificates not available	Storage racks stability certificates needs to be maintained	Storage racks stability certificates will be maintained	In process
2	Storage Racks inspection checklist not available	Storage racks inspection checklist needs to be prepared and regular inspections to be carried out and	Storage racks inspection checklist needs prepared and regular inspections to be	Completed

		recorded	carried out and recorded	
3	Fork lift key control not effective	Forklift and starkers etc. key control needs to be strengthened	Forklift and stackers etc. key control needs to strengthened	Completed
4	Use of black jerry cans for Hydrogen Peroxide drums is observed	Ensure use of only white / blue Jerry cans (black Jerry cans are supposed to be made from recycled plastic and hence have less strength, while white/blue Jerry can are made from virgin plastic with more strength)	white/blue Jerry are made from virgin plastic with more strength)now started in using	Completed
5	Hazardous pictograms missing on drums	Ensure that every drum has the Specific Hazardous Symbols (pictograms)	Every drum has the Specific Hazardous Symbols (pictograms)	Completed
PLANT 2.				
1	Transfer Pump coupling guards are not sufficient not confirming to 360 degree guarding	All nip points should have zero access / 360 degree guards. It would be advisable to refer to IS:9474-1980 specification for principles of Mechanical Guarding of machinery for design and maintenance of the machine guards.	Coupling guard, motor guard provided to all pumps as per specification	Completed
2	Material hoist door interlock not available	Hoist door interlocks needs to be ensured	Hoist door interlocks will be provide as early as possible	In process
3	drums transfer on pallets through forklift are not clamped properly can fall and lead to spillage	Pallet strapping secures products by applying tension around a load, holding goods securely to ensure pallet stability.	Pallet bending belt procured	Completed

PLANT 3.				
1	Ventilation at the top floor is not proper	Ventilation needs to be checked	Ventilation study will be carried out	In process
2	Illumination levels are not proper	Illumination levels needs to be rechecked and corrected	Illumination level checked	Completed
3	Pipelines supports taken from other pipelines	Pipeline supports needs to be reviewed and corrected	All pipeline supported properly	Completed
TANK FARM AREA.				
1	Dykes provided but interconnected	Dykes shall be separate for each tank	Dyke wall provide	Completed
2	Spare tank of highest capacity not available	Spare tank of higher capacity needs to be provided as an emergency	Spare tank of higher capacity will be provided as an emergency	In process
3	Tank top railing toe guards are missing	Tank top toe guards needs to be provided	Tank top toe guards will be be provided	In process
4	Emergency disaster plan for Overflow of tank is not available	Emergency disaster plan shall be prepared for the Overflow of chemical tanks	Emergency disaster plan shall be prepared for the Overflow of chemical tanks	In process
5	use of non-sparking tools was not evident during plant **round**	Ensure that only non-sparking tools are being used for solvent lines etc.	Sparking tools are Available	Completed
QC LAB AND R&D.				
1	Hydrogen Cylinders no clamped properly	Hydrogen cylinders needs to be properly clamped , cylinder handling procedure to be prepared and maintained	Hydrogen cylinders needs properly clamped , cylinder handling procedure prepared and maintained	Completed
2	Hydrogen and Nitrogen gas detectors not provided	Hydrogen and Nitrogen gas detectors needs to	Requirement reviewed , and BOQ and RFQ	In process

		be provided	initiated	
3	Chemical compatibility charts not available	Chemical compatibility charts to be made available and chemical storage to be done according to its compatibility	Chemical compatibility chart displayed	Completed
4	Generation of spark during operation of valve of the cylinder due to use of ordinary key	It is necessary to use non-sparking key for operation of the hydrogen gas cylinders	Non-sparking key Available for operation of the hydrogen gas cylinders	Completed
5	No secondary containment for the receiving spent solvent from GC equipment had been provided	Recommended to provide the secondary containment ASAP	Secondary containment pot provided for collection of solvent from GC Equipment	Completed
FIRE PUMP HOUSE.				
1	Jockey pumps – 1 no.	Good practice shall be maintained		
	Electrical Pump – 1 no.			
	Diesel Engine – 1 no.			
	System in Auto mode and pressurized			
2	P& ID not displayed	P& ID shall be displayed	P& ID will be displayed	In process
3	Hydrant main line Valves are not locked in open position	Hydrant main line Valves needs to be locked at Open Position	Hydrant main line Valves locked at Open Position	Completed
IBR.				
1	SOPs not displayed at Boiler House	SOPS needs to be displayed in local language	SOPS needs t displayed in local language	Completed
2	PPE Matrix not displayed at Boiler House	PPE matrix needs to be displayed at Boiler House		
3	Boiler Stack (chimney Thickness tests) and stability certificates not available	Chimney thickens and stability certification needs to be obtained	Chimney thickens test will be conducted with stability certification	In process

4	Boiler Suits not available	Ensure that all PPE s are in place and used	Boiler Suit procured	Completed
ETP Area.				
1	Wet Area metal structures are not earthed	All metal structures and Pumps etc. needs to be double earthed	All metal structures and Pumps etc. will be provided double earthing	In process
2	LDO storage drums no identification labeling	Ensure that all drums should have the identification and hazard labeling	LDO storage drums identification labeling done	Completed
3	Reuses of chemical drums	Sops for the reuse of chemical drums (including cleaning) needs to be prepared and followed	Sops for the reuse of chemical drums (including cleaning) prepared and followed	Completed
Others.				
1	Cooling tower no safe access for maintenance Work	Cooling tower proper safe access to be provided with platform and railing for maintenance activity	Cooling tower proper safe access provided with platform and railing for maintenance activity	Completed
2	Briquette storage area	Sprinkler system needs to be provided at fuel storage area	BOQ and RFQ initiated	In process
3	Contractor portable electrical equipment checklist not available	Portable electrical Equipment's and contractors' equipment's checklist to be prepared and maintained	Portable electrical Equipment's and contractors' equipment's checklist prepared and maintained	Completed
	Plan Approval conditions are not complied	As per Plan approval from DISH condition of Electrical safety Audit is not fulfilled	Requirement reviewed , and BOQ and RFQ initiated	In process
	Work Permit System	Height Work - Height phobia test to be	Height Work - Height phobia	Completed

		conducted , Responsibility and Authority letters for the All Work Permit issuers /Approve rs to be issued in writing with their acceptance	test conducted , Responsibility and Authority letters for the All Work Permit issuers /Approve rs issued in writing with their acceptance	

19.

Onsite Emergency Plan-SOL- 2025

SHOGUN
ORGANICS LIMITED

JAS-ANZ QES ISO 9001 ISO 14001 OHSMS 45001

O/C

Date - 21-1-2025

Date:-
To,
Joint Director,
Industrial Safety & Health,
Maharashtra Labour Welfare Bhavan,
2nd Floor, Plot No. G.P.163, G-Block,
Sambhajinagar,M.I.D.C. (Thermax Chowk)
Chinchwad, Pune-411019

Subject: Submission of On Site Emergency Plan.

Respected Sir,
Please find here with the copy of our updated On- Site Emergency plan for your reference and record.

Please acknowledge receipt of the same.

Thanking you.

Yours Truly
For, SHOGUN ORGANICS LTD.

Authorised Signatory.

Encl: 1) On site Emergency Plan.

SHOGUN

ORGANICS LTD

Plot No. D-18, M.I.D.C. Kurkumbh,

Tal. Daund, Dist.Pune-413802

ON SITE EMERGENCY PLAN

REVIEWED

DATE -10/01/2025

INDEX

PREFACE

A major emergency in a factory is one, which has the potential to cause a serious injury, or loss of life. It may cause extensive damage to property and serious disruption both inside and outside the factory. It would normally require the assistance of outside emergency services to handle it effectively. Although the emergency may be caused by number of different factors like plant failure, human error, earthquake, vehicle crash or sabotage, it will normally manifest itself, in three basic forms: fire, explosion or toxic release.

Preventing accidents through good design, operation, maintenance and inspection; achieving all this will reduce the risk of an accident, but it will not eliminate altogether absolute safety is not achievable and an essential part of major hazard control is concerned with mitigating the effects of a major accident.

An important element of mitigation is emergency planning. Emergency planning means recognizing that accidents are possible, assessing the consequences of such accidents and deciding emergency procedures, both on - site and off- site, that would need to be implemented in the event of an emergency.

CHAPTER :1

INFORMATION ABOUT THE FACTORY

C.1. GENERAL INFORMATION;

Shogun Organics Ltd., is an established manufacturer of Household Insecticide Active Ingredients.

Shogun Organics Ltd. has successfully developed the indigenous technology for manufacture and marketing of technical grade chemical for household Insecticides. We are now established manufacturer of Household Insecticide active ingredient chemicals. Our new production facility and Quality Control Laboratory is located in **MIDC** Chemical notified zone near pune city. The manufacturing facility has equipment as par with international standards. We have a highly dedicated workforce which ensures stable production and quality control systems.

We hold Licenses and approvals for manufacture, sale and export of wide range of "Household Insecticide Technical grade " chemicals. We supply our products to all the leading mosquito repellent brands in India.

We have an experienced panel of experts on Board. The company constantly works towards better product quality and consistency. We assist our clients and customers in new product ideas, product development, formulations and efficiency studies.

The Company holds ISO 9001: 2015, ISO 14001:2015, and ISO 4500:2018 Certification. The unit has also been audited and approved for global supply of our products by many Multi-National Companies.

We are moving ahead with the vision of a being a global entity, specializing in manufacture and supply of Household Insecticides Active Ingredients.

CHAPTER: 2

INTRODUCTION:

Objectives:

The objective of this manual is to establish and maintain plans and procedures to identify the potential hazard and risk, incidents, emergency situations and appropriate mitigation measures. The objective of the On- Site Emergency Preparedness and Response Plan is to familiarize all employees with the organizational set- up to combat an emergency likely to result from SOLVENT Leakage Fire or Explosion. This plan covers the action to be taken by various individuals /officials in case of emergency. The guidelines are to be used for prompt &concentrated actions by all the concerned persons.

This plan is also framed in order to develop a permanent infrastructure of the trained personnel & suitable facilities to meet probable eventualities which may affect the safety of the people working within the premises of the company or in vicinity.

OBJECTIVES OF THIS PLAN ARE TO:

1. **Safeguard** lives: - both at site and in the neighborhood.
2. **Contain** the incident and bring it under **control.**
3. **Minimize** the damage to property and neighborhood environment.
4. **Rescue** and **treatment of casualties.**
5. **Evacuation** of persons of safe area.
6. **Identification** of persons affected, notification of relatives, extending necessary assistance, etc.
7. **Preservation** of information, records, etc.which will help in the investigation of the causes and circumstances of the emergency.
8. **Welfare assistance** to the casualties.
9. **Collection and logging** of information, regarding latest status, action etc.
10. **Providing relevant** information to police, Dep't. &DISH, news media Measures that need to be taken during such an emergency include–

1. **Passing** of information to relevant persons/agencies.

2. **Warning** and **advising** the persons, who are likely to be affected.

3. **Mobilizing and** gearing up of inside resources.

4. **Calling up** of outside agencies.

5. **Initiating** and organizing evacuation of such persons.

6. **Collecting latest** status, other information and requirements.

7. **Co- ordination** between various agencies, etc.

Following are the objectives of this on-site Emergency Plan.

a. To control the emergency, localize it and if possible, eliminate it.
b. To avoid confusion, panic and to handle the emergency with clear cut action.
c. To minimize loss of life and property to the plant as well as to the neighborhood.
d. To make head count and carry out rescue operations.
e. To treat the injured persons.
f. To preserve records and to take steps to prevent recurrence
g. To restore normalcy.

Purpose:

M/s. SHOGUN ORGANICS LTD…is committed to operate at highest standard to protect health and safety of their employees, public and environment. The company has developed and maintained this emergency plan is compliance with applicable laws and industry standards to ensure a timely, appropriate response to the emergency situations.

This manual is prepared for location specific premises& prepared to:

Minimize the loss of life during emergencies.

Minimize the injuries during emergencies.

Minimize the loss of property. And to make the staff. Contractors, sub-contractors and people involved in or business activities to be familiar with:

Emergency Management Procedures, Emergency Escape Routes, Emergency Exits, and where to report during evacuation of the site i.e. the emergencies assemble or safe assembly points.

When and how to handle work place emergencies and evacuate the people in the site.

Location of fire Extinguishers, Fire Hoses, Hose reel, First Aid Kits and other emergency equipment's.

Proper procedures for notifying an emergency to the Emergency Control Team members.

Scope:

This manual covers the activities carried out at the factory site and identified potential hazards. It also covers the Emergency Response procedures for handling emergencies at the Factory Site.

This manual gives guidelines for four basic activities such as Mitigation, Preparedness, Response and Recovery in the identified emergency situations.

Aim:

On-Site Emergency Preparedness and Response Plan aims at the reduction of the consequences of major accidents on the site & off the site. As far as possible, to ensure that no person suffers injury as a result of a Fire / natural calamity / hazardous associated with manufacturing activities at site where M/s.SHOGUN ORGANICS LTD… are carrying out its business activities. Each workplace in the factory is required to implement Onsite Emergency Plan.

Critical Elements of this plan:

Reliable and early detections of an emergency and careful planning.

The command, coordination and organizational structure for emergency along with efficient trained personnel

Resources required for handling emergencies.

Appropriate emergency response actions and mitigation plans.

Effective notification and communication facilities.

Proper training concerned personnel.

Regular mock drill / rehearsal.

Regular review and updating of this emergency plan.

ONSITE EMERGENCY PLAN–PREPARDNESS AND RESPONSE CONCEPT

I – PREAMBLE

1. This PLAN outlines procedure for emergency preparation and response

With the purpose of preventing and /or mitigating environment impacts. Training awareness and preparedness will reduce the potential for Emergencies, as well as provide a firm base for proper response to Emergencies that do occur.

2. Awareness must be part of the culture of our company. Training for persons working in the factory is KEY to the successful implementation of an emergency preparedness program. Employees must be fully cognizant of the requirements of emergency response plan prior to a Situation developing. Initial recognition of potential emergencies and emerging emergencies or priorities, followed by actions and the ability to recognize, when additional resources are needed.

II-EMERGENCY PREPAREDNESS AND RESPONSE CONCEPT

There are several general concepts involved for being prepared for emergencies. These general concepts include: -

EMPLOYEES SAFETY:

In the event of an incident, the main priority of all workers is to ensure their own safety and safety of other co-employees. The second priority is to limit the damage to the environment and equipments.

AWARENESS:

The first step in avoiding emergency incidents is recognizing hazards. Taking steps to minimize the risk of an emergency occurring. The EMS outlines the significant environmental concepts. An awareness of this significant aspects and adhering to the EMS, will help to ensure that risks EMSincidents are minimized.

TOOLS:

All persons must ensure that they have required tools (spill kits, firetooletc) available at all times and located in a manner that allows easy access to the tools when required. Note that there are legislated requirements for fire tools, regardless of the presence of emergency response plan or fire preparedness plan.

TRAINING:

All persons involved in operations have their training requirements determined and maintained in the training matrix.

TESTING:

Generally, response redness tests include all fire practices code requirements have been met, equipment is operational and employees are familiar with response requirements and plans. Tests can be carried out in various forms to include

i) Full mock drills
ii) Review of procedures
iii) Employees interviews
iv) Equipment testing.

REPORTING:

In case of an emergency, it is important that workers must know whom to contact, what information will need to be relayed. These contacts will need to be given in EMERGENCY PLAN.

III - ON SITE EMERGENCY PLAN

1. INTRODUCTION TO ONSITE EMERGENCYPLAN:

An Emergency in a Factory is one, which has the potential to cause serious injury or loss of life and cause damage to environment. This emergency may be caused by numbers of factors.

2. CLASSIFICATION OF EMERGENCY:

This can be classified in to three categories: -

Local Emergency

Minor Emergency

Major Emergency

2. A. LOCAL EMERGENCY:

This Emergency may occur due to short circuiting of electricity, spark due to friction in machines, smoke due to heat in waste materials like cotton, risk of accident (minor burn injury /cut injury) due to movement of vehicle in factory premises. A single man can control this.

2. A.1. ACTION TAKEN:

On notice react to the situation.

Use the correct fire extinguisher to put off the fire.

Report the incidents to concerned supervisors.

Supervisors take corrective action.

2. B. MINOR EMERGENCY:

An Emergency, which requires more workers involvement to control.

Electrical fire in transformer and DG set area. Oil fire in the storage area.

Wooden/paper waste fire in the scrap yard and raw material storage section etc.

2b.1. ACTION TAKEN:

Whenever worker spots fire, he reacts to the emergency to control the fire. He takes the following action:

Shout "FIRE, FIRE, FIRE"!

Put of the Machine / Electrical Power supply.

Call for help and inform the supervisors.

Reach for appropriate type of fire extinguisher! Or

Ask his coworker to bring the same.

Use it to put off the fire.

Ask other workers to remove the flammable items from the affected site.

Inform the Manager – Production /H.R. about the incident.

Department in charge carries out investigation for the cause of the incident.

Rectify the fault.

Inform security guards for supportive help.

Re- organizes the section for commencement of normal work.

2. c MAJOR EMERGENCIES:

An emergency, which involves whole factory or a major part of factory staff and requires outside agencies to handle the incident. The emergency in the plant could be Anthropogenic Emergency or due to natural calamities. Fire & Explosion due to the action plan for this type of emergency is given in this ON-SITE leakage of SOLVENT EMERGENCY PLAN in detail.

3. PURPOSE:

Procedure established to control or mitigate any emergency caused by Anthropogenic / Natural Calamities:

I. ANTHROPOGENIC:

a) Fire & Explosion

b) Human Error – Unsafe action accidents

c) Plant failure – Unsafe Environment

d) Sudden spurt of oil / leakage/hazardous material.

II. NATURAL CALAMITIES:

Heavy rain fall, lightning.

SCOPE

Applicable to anthropogenic and natural calamities emergencies that has potential occurrence within the factory premises of SHOGUN ORGANICS LTD... A high standard of prevention of fire is of vital importance and must be the first consideration in every organization. All workers and staff must bear this aspect in mind while entering the factory. Most fires can be prevented by comma sense and good discipline and it is very important that all the Heads of the Department should enforce the highest possible standard of fire preventive measures, so that losses by fire may be reduced to the barest minimum.

RESPONSIBILITY:

Individual worker available on the spot / officer of the particular area, fire fighters and security guards.

RESPONSIBILITY AT NIGHT:

All Workers available on the spot.

Officers of the particular area.

Fire fighters on duty.

Security guards.

I. ANTHROPOGENIC

1. FIRE EMERGENCY:

The emergency may be caused by: -

Electrical Short Circuiting.

Leakage of Diesel and other Oil

Leakage of SOLVENT.

Static electricity

Other Combustible Materials.

ELECTRICAL FIRE – BURSTING OF TRANSFORMER, SHORT CIRCUIT IN HT SWITCHGEAR:

Due to loose wiring unauthorized connections. Faulty electrical circuits, faulty switches etc,

Normally electrical short circuiting take place. If the fire is not noticed at the beginning it may lead to a Major Emergency.

FIRE– BY DIESEL /OIL:

In our Factory, fire by Diesel / Oil may take place in storage area, D.G. set area and in scrap yard.

FIRE – BY SOLVENT:

In our Factory, fire & explosion due to SOLVENT may take place in SOLVENT storage area.

FIRE – DUE TO WOOD & OTHER COMBUSTABLE MATERIALS:

Some materials are liable to spontaneous combustion without physical or internal application of heat. The process involves heat being generated inside the material due to absorption, with no sufficient means for dissipation of heat. Some time due to carelessness of individuals, the fire is caused.

CHAPTER: 3

PROBABLE HAZARDS AND ACTION PLAN ON EMENRGENCY

1. STORAGE OF HAZARDOUS CHEMICALS '

Sr. NO	**NAME**	**NATURE OF HAZARD**
1	SOLVENT	Leak/Spill and fire
2	LDO	Leak / Spill and fire

CHAPTER N:4

1. EMERGENCY CONTROL CENTRE

For the purpose of handling emergency, Emergency Control Centre has been indentified and shown in the Site plan attached. (Security Office). All Communications to and form will originate at this Emergency Control Centre, which will have the following: -

- List of important telephone numbers such as police, Fire Brigade Hospitals, Ambulance services and other outside Emergency Services, etc.
- List of key Personnel with addresses and telephone numbers.
- List of fire fighting trained persons.
- List of first Aiders.
- Details of the Fire Extinguisher and Hydrant System.
- Fire Hydrant layout system.
- Fire Alarm control panel
- First aid appliances.
- Residential address of all the employees

KEY PERSONNEL & RESPONSIBILITIES

5.1 EMERGENCY MAIN CONTROLLER:

On getting information about an emergency. He proceeds promptly to the Emergency site and takes overall charge of all the activities for dealing with the emergency.

a.) He remains in the emergency site till the emergency is called off, so that all concerned are aware of the location of his availability during the emergency.
b.) He communicates and co-ordinates amongst varies Team leaders.
c.) He is final authority onall matters related with management of emergency such as firefighting, emergency control, rescue operations, calling outside agencies for assistance, welfare evacuation, transportation, rehabilitation, liaseson, public relations, etc.

5.2: ADIMIMISTRATIVE INCHARGE

On getting information about an emergency. He proceeds promptly to the CONTROL ROOM,

From all to –and - from information will originate.

a.) Controls the activities of all the teams.
b.) Controls the transport services, arrange for temporary shelter in consultation with the Emergency main Controller& other team members.
c.) He takes responsibilities of law and order and keeps liaison with police and Fire Brigade.

5.3 INCIDENT CONTROLLER:

He rushes immediately to the scene of the emergency, selects and sets up the appropriate

Emergency equipment. He takes the following actions at the earliest, if the emergency is

Not controlled.

a.] Reports to the Emergency main Controller and Communication officer about the

Emergency

b] Restricts entry of any person other than authorized by Emergency Chief Controller.

c.] Directs the firefighting operations/emergency control.

d.]Takes command of the fire team.

e.]Arranges for personal Protective Equipment required for the emergency.

f.]Takes all possible steps necessary to control the emergency.

g.]He works in consultation with the emergency Chief Controller.

h.]He keeps detailed records of the incident and progress of operation to fight the emergency.

i.] In case of power failure / telephone service disruption, he arranges for messengers for the purpose of communication.

5.4 LIAISON OFFICER:

a) Maintains liaison with the press, Government agencies and neighborhood regarding the emergency under instructions from EMERGENCY MAIN CONTROLLER.
(b) Disclose all the necessary information in the plant so as to avoid rumors and confusion.

5.5 RESCUE/EVACUATION TEAM:

(a) This team directly fights the emergency under the instruction from EMERGENCY MAIN CONTROLLER.

(b) On hearing the emergency, the group leader establishes communication with the EMERGENCY MAIN CONTROLLER. Andstart handling the emergency directly.

(C) He takes the help of SECURITY TEAM to cordon off.

(d) He ensures that the emergency does not escalate, but it is contained within spot of occurrence.

(e) The leader mobilizes his team and establishes contact with the LIASION

OFFICER regarding manpower accounting and starts the search operation if required.

(f) The leader ensures that the he and his team members wear the necessary personal protective equipment while searching for missing personnel.

The Team leader will be Shift-in charge on duty.

5.5 ENGINEERING TEAM :

(a) The team ensures that the remaining part of the plant is safe.

(b) Carries out civil work that may become necessary during the emergency.

(c) Arranges to supply water under maximum pressure till the emergency is over,

(d) Carries out electrical/electronic shutdown procedures.

(e) Mobilizes necessary tools and tackles to handle any repair work on emergency basis.

Note:

List of team members is given along with external agencies telephone numbers in the attachments.

5.7 SECURITY TEAM :

(a) Assist the INCIDENT CONTROLLER in carrying out his duties.

(b) On hearing the siren, the team ensures that the main gates are closed and movement restricted.

(c) The team leader arranges to provide security coverage at the main gate, site of occurrence of emergency and also at RECEPTION OFFICE.

(d) The team effectively cordons off the emergency area and prevents unauthorized people entering the scene.

Fire Engine or Ambulance requisitioned by the EMERGENCY MAIN CONTROLLER / is to be permitted inside the plant

(e) Other officers from state government or Local authorities should be courteously conducted to the RECEPTION ROOM and the LIAISON OFFICER is informed, so that they can take care of

The Team Leader will be MAIN CONTROLLER.

After the emergency is over, the entire TEAM LEADERS meet in the EMERGENCY CONTROL CENTRE and each team leader should submit a report to EMERGENCY MAIN CONTROLLER about term performance and other details observed. Based on this, a final report will be submitted to the EMERGENCY MAIN CONTROLLER, within 24 hours of occurrence of emergency.

An investigation in the emergency will be carried out by the EMERGENCY MAIN CONTROLLER and INCIDENT CONTROLLER.

This report shall be submitted within 48 hours of occurrence of emergency to the

EMERGENCY MAIN CONTROLLE

DUTIES OF THE OFFICERS

1. **Telephone Operator:**

   On hearing emergency alarm, he will immediately contact Emergency main Controller And on his advice call the Fire Brigade, he will be continuously present
   On the board to attend the calls.

2. **Departmental Heads:**

   The departmental heads will inform to incident controller and provide assistance as required.
   They will decide which members of their staff are required at the Emergency Site.

3. **Shift In charge:**

   As soon as he becomes aware of the emergency and its locations he will proceed accordingly.
   On arrival he shall assess the scale of the incident and direct all operations within the affected area.

4. **Security In Charge:**

   On hearing the siren, the team leader should inform to the Emergency Chief Controller and he will take over the charge of the situation.
   1. He will ensure that all his team will reach the spot immediately.
   2. He shall ensure that all the firefighting equipment's such as fire extinguishers fire hoses etc. are available for emergency operation.

5. **Communication and Liaison officer:**

   Admin. Incharge will be the Liaison Officer, on hearing about the events he will proceed to Emergency control center and maintain communication with the incident controller & Emergency main controller. He will collect information from site and advise emergency main controller for communication of various information to be concerned

6. All Clear Signal:

All clear signal must be given when –

There is no Risk of re-ignition of the fire and fire is extinguished.

The source of release of gas is stopped.

First the affected area must be thoroughly examined before collecting any evidence of the emergency, and restart-up of the plant. Check should be carried out not only on a technical basis but also on the basis of the safety and Health. Possible sources of ignition such as welding, cutting job, diesel engine etc. Should be not allowed in the affected area. The affected area must be checked with safety equipment's such as explosive meter toxic gas detector, etc. Safety officer should be asked for advice at the time of restart-up of the plant.

7. Review of the Plan:

The Management reviews the emergency plan periodically and insists the training to factory to maintain the safety system in place.

ON- SITE EMERGENCY FIRST ACTION PLAN

In case of fire or a SOLVENT gas emission or a serious leakage of hazardous liquid, following action plan is to be followed:

ACTION BY FIRST OBSERVER

A person observing the emergency should inform to concerned authority & try to control the emergency.

ACTION ON INFORMED

All concerned persons will contact security gate for the information & location of incidence. The people from plant will get this information, on the board provided in the safety officer cabin near the security gate.

CONCERNED PERSON

All key personnel, fire squad persons, first aid trained persons are only allowed to go near the emergency site.

Following persons are not allowed to go near emergency site:

i) People in the office area.
ii) Visitors.
iii) Workers in other department should not stop the work and go out unless instructed.

ACTION BY THE INCIDENT CONTROLLER

1. Stop all operations and start evacuation of the place if required. Ask all concerned persons to gather at assembly point.
2. If required instruct electrical supervisor / wireman to cut off electric supply at the site. (And get portable lights to the site in the second & third shifts).
3. Send message if required for telephoning city fire brigade to security.
4. Try to control the emergency with the local personnel.

ACTION BY THE EMERGENCY MAIN CONTROLLER

i) Get information about wind direction. And keep liaison with Incident controller through messenger.
ii) Give instruction to first aid trained people, fire squad, utility operator, electrical personnel etc., as per the nature of emergency.

iii) Liaise with senior officers of police, fire brigade & Directorate of Industrial Safety & Health.

iv) Issue authorized statements to news media & ensures that evidence is preserved for investigation to be conducted by statutory authorities.

ACTION BY SEECURITY PERSONNEL

i) Stop the outside incoming vehicle, visitors.

ii) Keep the entrance road clear for emergency vehicle.

iii) Control the mob and stop unconcerned persons going to the site.

ACTION BY FIRE FIGHTING TEAM

They should gather near the assembly point to take instructions from chief incident controller and rush to emergency s pot with nozzle.

ACTION BY THE UTILITY OPERATOR/ Engg Team

Ensure that fire hydrant pump is started and water pressure is obtained. Ensure that water tank contains sufficient water and stock will be maintained.

ACTION BY ADIMINISTRATIVE INCHARGE

i) Take roll call of the employees gathered at assembly point& ensure that nobody is missing.

ii) Arrange for tea, snacks to injured persons, or persons who waited to control emergency.

iii) If persons admitted into hospitals, arrange for attendants if required. Also arrange to inform their relatives at their home.

iv) If telephone or telecom system is not working, appoint Runners / messengers.

ASSEMBLY POINTS

Depending upon the location of the emergency, The Emergency main Controller will fithe Assembly Point.

In case of an EMERGENCY the employees should assemble –

ASSEMBLY POINTS:

Sr.No.	Location of Assembly Point.
1	West side of Security Cabin (Main Gate)
2	North east side of Utility (Plant No.4)

Employee's attendance, Visitors and contractor`s workmen register will be available at the Assembly Point for head count. The Incident Controller/ Communication Team will be responsible for the head count at the assembly point.

Total No. of Fire Extinguishers:

Sr.No.	Type	Capacity	QTY (Nos.)
1	M.F (A.B.)	9 Litr	13
2	Co2 (Gas)	9 Kg	3
3	A.B.C. (DCP)	6 kg.	50
4	A.B.C. (DCP)	5 Kg	11
5	A.B.C. (DCP)	2 Kg	6
6	A.B.C. (DCP)	9 kg	4
7	M.F. (A.B.)	45 Litr	2
8	CO2 (Gas)	4.5 kg	10
		Total	**99**

Fire Hydrant system Pump Details

Sr. No.	Pump	Capacity	Total Head	Discharge Pressure	LPM
1	Jockey Pump- Sprinkler system	5.5 H.P.(4 kw)	70 M	10 M^3 /Hrs	180
2	Main pump - Sprinkler system	120 H.P. (90 kw)	70 M	273M^3 /Hrs	4500
3	Jockey pump-Hydrant system	5.5 H.P.(4 kw)	70 M	10 M^3 /Hrs	180
4	Main pump –Hydrant system	120 H.P. (90 kw)	70 M	273M^3 /Hrs	4500
5	Diesel pump	110 H.P.(80.9 kw)	70 M	273 M^3 /Hrs	4500

Provided Fire Alarm & fire protection system with sprinklers smoke detectors in different Location of plant building.

Firefighting Hose Boxes & Hose Reel is located in surrounding area of plant building with Fire Hydrant water line.

LIST OF PERSONAL PROTECTIVE EQUIPMENT

Sr.No.	Respiratory	Sr.No.	Non-Respiratory
1	Chemical Vapor Mask	01	Safety Helmet
2	Dust Mask	02	Safety Goggle
3	SCBA Set	03	Full Face – face shield
		04	Safety Shoes
		05	Rubber Hand Gloves
		06	PVC Hand Gloves.
		07	Surgical Hand Gloves
		08	Cotton Hand Gloves
		09	Cotton mix uniform
		10	Fire Fighting suit
		11	Apron
		12	Ear plug

LIST OF FIRST AID TRAINED PERSON

Sr.No.	Name of Employees	Department
01	Mr.Sunil B. Burange	Production.
02	Mr.Prakash C. Jagtap	Production
03	Mr. Santosh V. Sonavane	Maint.
04	Mr.Mama B. Javir	Production.
05	Mr.Bajarang P.Suryawanshi	EHS
06	Mr.Sharad V. Darekar	Production.
07	Mr.Ramchsndra V. Pawar	Production.
08	Mr.Ganesh H. Salunke	Production.
09	Mr.Onkar B. Tamgave	EHS

List of First Aid Boxes:

Total No. of First Aid Boxes - 07 Nos.

Location: -

1. Plant No. 01 : First Aid Box – 01 no.
2. Plant No. 02 : First Aid Box – 01 no.
3. Plant No.03 : First Aid Box. - 01 no.
4. Security Cabin. : First Aid Box. - 01 no.
5. L.V. Shed : First Aid Box. - 01 no.
6. R& D Lab : First Aid Box. - 01 no.
7. Q.C. lab : First Aid Box. - 01 no.

LIST OF FIRE FIGHTING TRAINED PERSON

Sr.No.	NAME OF EMPLOYEES	DEPARTMENT
01	Mr.Omprakash pal	Production.
02	Mr.Tushar D. Daswant	Production.
03	Mr.Sunil Burange	Production.
04	Mr.Sharad V.Darekar	Production.
05	Mr.Prakash C.Jagtap	Production.
06	Mr.Abaso D. Shitole	Maint.
07	Mr.Nitin N. Gaikwad	Electrical
08	Mr.Sanjay K.Pasalkar	Electircal
09	Mr.Rajendra B. Narote	R & D Lab
10	Mr.Aniket Nimbalkar	Q.C.Lab
11	Mr.Vishal P. Deshmukh	Q.C.Lab
12	Mr. M.M. Bhagwat	Store
13	Mr.Ganesh Jadhav	R & D Lab
14	Mr.Yogesh V. Hande	Production
15	Mr.Santosh V. Sonavane	Maint
16	Mr.Apppasaheb Gajre	Q.C.Lab
17	Mr.Namdev S. Sonawane	Production
18	Mr. Sumit S. Bandegiri	Q.C.Lab
19	Mr.Dnyeshwer Phadke	R & D Lab
20	Mr.Sagar Dhudhe	ETP
21	Mr.Meghraj Dhughe	ETP
22	Mr. Aniket Pawar	Electrical
23	Mr.Ganesh Salunke	Production
24	Mr.Kantilal J. Shinde	Production

IMPORTANT TELEPHONE NUMBERS (INTERNAL)

SR.NO.	NAME	PLACE	TEL .NO.	MOBILE
1	HEAD OFFICE MUMBAI	MUMBAI	022-66776845/46	--
2	MR.M.V.HANDE	MUMBAI	022--66776846	9920183331
3	MR.SANTOSHKUMAR PANDA	KURKUMBH	02117-299313	9998968419
4	MR.RAMESH.J.LAD.	KURKUMBH	9850969896	8380825218
5	MR.B.P.SURYAWANSHI	KURKUMBH	7720951049	9767087499

IMPORTANT TELEPHONE NUMBERS (EXTERNAL)

- **FIRE STATION**

SR.NO.	NAME	PLACE	TEL.NO.
1	FIRE STATION M.I.D.C	KURKUMBH	02117-235998,235999
2	FIRE STATION	BARAMATI	02112-244710,244720
3	FIRE BRIGADE HELP LINE		101

- **MEDICAL HELP**

SR.NO.	NAME	PLACE	TEL.NO.
1	BHATTAD HOSPITAL	DAUND	02117-262027
2	DAFAL HOSPITAL	KURKUMBH	9422353830
3	PYRAMID HOSPITAL	DAUND	9326444168 /9422312145

- **AMBULANCE SERVICES**

SR.NO.	NAME	PLACE	TEL.NO.
1	EMCURE PHARMACEUTICAL LTD.	KURKUMBH	02117-230700
2	CIPLA LTD.	KURKUMBH	02117-230128
3	ALKYL AMINES CHEMICALS LTD.	KURKUMBH	02117-235175 ,235210
4	PYRAMID HOSPITAL	DAUND	9326444168 ,9422312145

IMPORTANT TELEPHONE NUMBERS (EXTERNAL)

- **GOVERNMENT AUTHORITIES**

SR.NO.	NAME	PLACE	TEL.NO.
1	FACTORY INSPEPECTOR	PUNE	02027373032
2	LABOUR OFFICER	PUNE	020-25511619
3	DIST.COLLECTOR	PUNE	02026122114
4	TAHSILDAR	DAUND	02117-262342
5	POLICE STATION	DAUND	02117-262333
7	M.S.E.B.	DAUND	02117-262312
8	M.S.E. B. SUB STATION	KURKUMBH	02117-235123
9	GRMPANCHAYAT	PANDHAREWADI	7057706999
10	M.I.D.C. OFFICE	KURKUMBH	02117-235220
11	M.I.D.C. WATER SUPPLY	KURKUMBH	02117-235219

ATTACHMENT:

1. MATERIAL SAFETY SHEE

20.

Offsite Emergency Plan-SOL- 2025

Date- 02/06/25.

O/C.

SHOGUN
ORGANICS LIMITED

Date:-

To,
District Collector,
Opposite Sassoon Hospital,
Station Road,
Pune- 411001.

Subject: Submission of Off -Site Emergency Plan.

Respected Sir,
Please find here with the copy of our Revised Off - Site Emergency plan for your reference and record.

Please acknowledge receipt of the same.

Thanking you.
Yours Truly
For, **SHOGUN ORGANICS LTD.**

Authorized Signatory.

Encl: 1. Off-site Emergency Plan.

02/06/2025
आपक/जावक लिपीक
जिल्हाधिकारी कार्यालय, पुणे

Corporate Office : 4th & 5th Floor, NDM-1, Netaji Subhash Place, Delhi –110034. Tel : 011-66105100
Regd. Office : A-106, Kotia Nirman, New Link Road, Andheri (West), Mumbai - 400 058
Tel: +91 22 6677 6845 / 6846 Email : info@shogunorganics.com
Factory : Plot No. D-18, MIDC Kurkumbh, Taluka – Daund, Distt – Pune 413802
CIN : U99999MH1993PLC073845

OFF SITE EMERGENCY PLAN

For

SHOGUN ORGANICS LIMITED

PLOT NO. D - 18, KURKUMBH MIDC,
TALUKA:DAUND,DIST.:PUNE,MAHARASHTRA.

By

M/s.GOLDFINCH ENGINEERING SYSTEMSPVT.LTD.

Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop,Thane Industrial Area,
MIDC(Wagle Estate),Thane(W)–400604,Maharashtra,India.

REV.NO.1 **COPYNO.1**

MAY-2025

CONTENTS

Schedule 12[MSIHC Rules1989, Rule14 (1)]
"The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989" (and amendments there under) formed under "The Environment Protection Act, 1986".

Details to be furnished in The Off-Site Emergency Plan

SECTION1: THE TYPES OF ACCIDENTS AND RELEASE TO BE TAKEN INTO ACCOUNT.

At the Site Disaster could be of the following type,

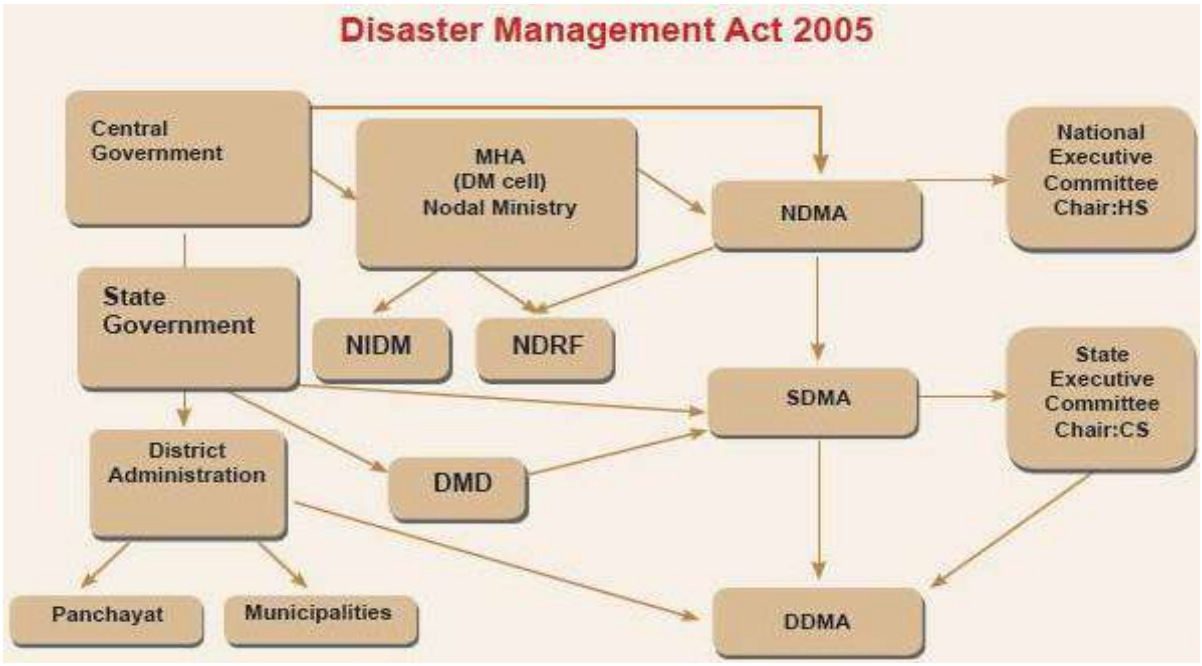
➢	Fire/ explosion.
➢	Large spill age of hazardous chemicals.
➢	Release of flammable gas ,explosion, or gas cloud, and other forms of air Pollution, thermal radiation and smoke.
➢	Toxic gas release from neighboring factory.
➢	Over turning of road tanker containing flammable/toxic materials.
➢	Failure of piping containing flammable materials.
➢	Fall of structure or building.
➢	Release of high velocity fragments of ruptured equipments due to over pressure conditions.

Following site specific hazardous chemical accidents and release to be taken in to account;

1	Release of Chlorine (Chlorine900Kg.tonnerfailure) followed by dispersion downwind.
2	Release of Bromine (Liquid5Mt.)Followed by dispersion downwind.
3	Release of Ammonia (1Tfromcylinders) followed by dispersion downwind.
4	Release of Ammonia (50Kg.cylinder) followed by dispersion downwind.
5	Hydrogen accidental release (cylindertrolley3630m^3) followed by fire/explosion.
6	Flammable solvent Methanol release from tank liquid pool formation and thermal radiations From pool fire.
7	Toxic gas release from neighboring factory.
8	Overturning of road tanker containing flammable/toxic materials.
9	Failure of piping containing flammable materials.
10	Fall of structure or building leading or release of hazardous chemicals.
11	Reactor explosion and release of high velocity fragments of ruptured equipments due to Over pressure conditions.
12	Natural calamities such as cyclone, flood, earthquake.

SECTION2: ORGANIZATIONS INVOLVED Including Key Personnel And Responsibilities And Liaison Arrangements Between Them.

LEGAL INSTITUTIONAL FRAME WORK



POLICE (CRIME):

▪	Upon notification of accident, shall declare alert/ emergency.
▪	Shall co-ordinate additional external support, if required, through District Control Room.
▪	Panchanamas will be prepared as per police procedure.
▪	Crowd control especially outside railway stations, bus stations and schools.
▪	Police band boaster railway stations, bus stations and schools.
▪	Extensive mobile patrolling.
▪	Arrangements for transportation/ shift in of stranded or affected persons through police Vehicles and private vehicles.
▪	Law and order and control of anti-social elements.
▪	Use of public address system to provide information to the public. Sign boards may be used To provide information and declare are as out of bounds.
▪	Enlist support of for maintaining peace and for rumors control.
▪	Information centre to organize sharing of information with mass media and community.
▪	Communicate to police control room details on the field activities including deployment and Reinforcement s of staff and resources and communicate nature of additional requirements.

POLICE (TRAFFIC):

▪	Control and monitor traffic.
▪	Extensive patrolling specially covering railway stations, bus stations and schools.
▪	Diversion of traffic on alternate routes as and when necessary.
▪	Provide information about traffic flow along various corridors, especially heavy traffic or Congested roads.
▪	Mobilizing to wing crane sand towing of stranded/break down or those vehicles obstructing Movements.
▪	Use of public address system to provide information and direction to the public.
▪	Setting up of sign-board sand display board strategic locations to give information Regarding traffic movement.
▪	Enlist support of RSP ,NCC ,NSS ,NGO' Sand voluntary organizations for traffic Management.
▪	Provide and co-ordinate arrangements for transportation/shift in go or affected Persons through police vehicles and private vehicles.
▪	Communicate to traffic control room details on the field activities including deployment and Reinforcements of staff and resources and communicate nature additional requirements.

FIREBRIGADE:

▪	Upon notification of incident, proceed to the site of emergency.
▪	Carry out fire fighting operations in the affected area and maintain communication with the Centralized control centre of the situation and help.
▪	Evacuation of persons from the affected area, rescue operations of the trapped persons, live Stock, if any.
▪	Rescue operations and transport the injured to the hospitals on a priority.
▪	Ensure safety from electrical installations or power supply at disaster site.
▪	Clearing of roads or pathways due to uprooted trees.

HOMEGUARDSANDCIVILDEFENSE:

▪	Rescue persons.
▪	Evacuate persons.
▪	Assist in relief activities.
▪	Provide information of location of temporary shelters organized by the authorities.
▪	Make alternate transport arrangements for stranded passengers, visitors.
▪	Provide medical and first aid facilities to affected persons.
▪	Set up information centre for sharing of information with the media and the public.

MEDICAL

The medical team in the area will render the following services when called up on to do so.

▪	First-aid to victims of accident and treatment at local level.
▪	Hospitalization and treatment in the case of large scale exposure.
▪	Mobilization of nearly schools/housing areas as make shift treatment locations in the case of A major disaster.
▪	Inform the local control room of the need for augmentation medical facilities.

The medical superintend at the hospital will be co- coordinator for disaster management;

▪	Ensure availability of adequate medicines/equipment.
▪	Co-ordinate patient care activities, RMO activity, triage of incoming patients, monitor Adequacy of surge capacity.
▪	Release the office orders for free treatment and investigations of the injured.
▪	Patients shall be transferred to a **networked** hospital only after immediate/life-threatening injuries are addressed. The mode of transport to be used shall be determined according to the patient's needs and the available resources. A volunteer or hospital staff shall accompany the Patient to the referral hospital to ensure proper handing over to the competent authority.
▪	Display the names of the injured persons and location where admitted.
▪	Prepare press notes.

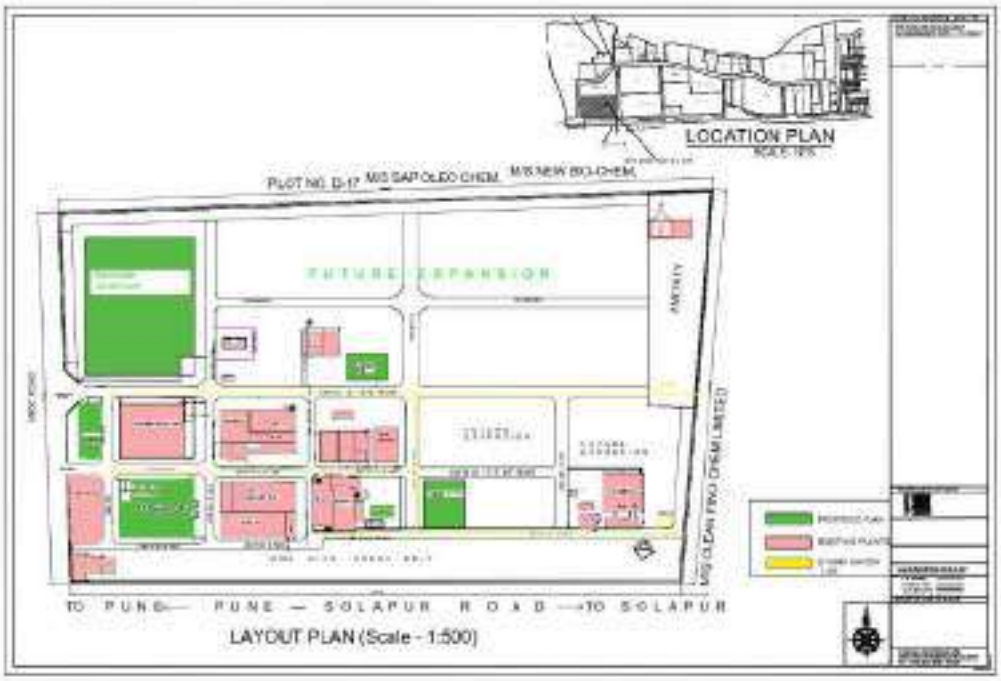
ELECTRICITY SUPPLY AGENCIES:

▪	Cut off power supply, If necessary.
▪	Restore effected power supply as soon as possible.
▪	Attend to complaints of power break down and short circuits.

NGO'S:

▪	Supplementing the disaster management efforts of the emergency respondents.
▪	Animals care group NGO'S to device appropriate measure stop protect animals and find means to shelter and feed them during disasters and their after through a community effort to the extent possible.

SECTION3: INFORMATION ABOUTTHESITE Including Likely Locations Of Dangerous Substances, Personnel And Emergency Control Rooms.

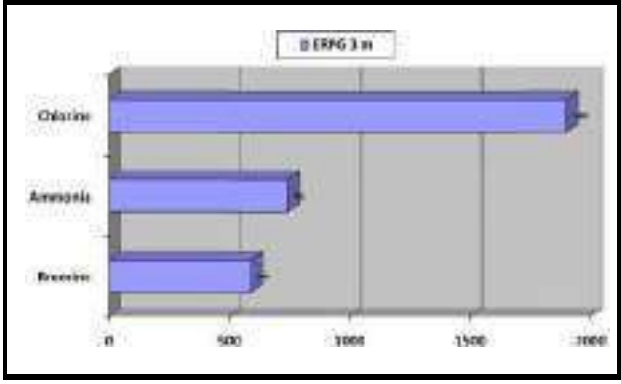


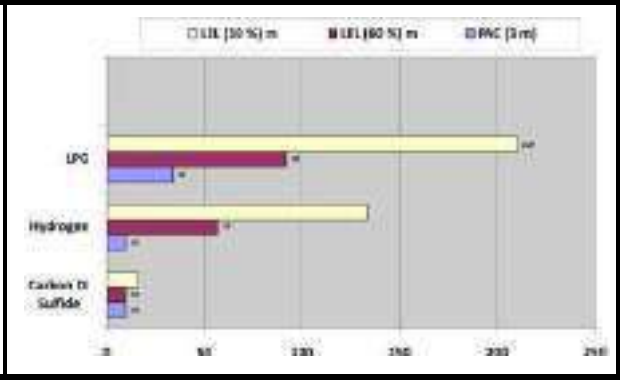
SECTION4: TECHNICAL INFORMATION SUCH AS CHEMICAL AND PHYSICAL CHARACTERISTICS AND DANGERS OF THE SUBSTANCE SAND PLANT.

INDUSTRYFACTSHEET

1.	Name and address of Factory.	:	**M/S.Shogun Organics Limited.** Plot No.D-18,Kurkumbh MIDC, Taluka:Daund,Dist.:Pune, Maharashtra.	
2.	Key Personnel.	:	Factory Manager.	
3.	Sensitive public place are located within One kilometer of the factory.	:	Nil.	
4.	Name of the Chemicals Stored/Used, Their Quantities and Method of Storage (Ton).	:	Bromine.	1.2
		:	Chlorine.	6
		:	Hydrogen.	0.2
		:	Sulfur Dichloride.	0.6
		:	Ammonia.	0.24
		:	LPG.	0.204
		:	Carbon Disulfide.	10
5.	Maximum Credible Loss Scenario in respect of chemicals used in the factory. Mentioning the damage distance. Large release–immediate evacuation distance.			

DOWN WIND AFFECT DISTANCE (DISPERSION)





6.	Demographic segment map in respect of Maximum Credible Loss Scenario.	:	MARPLOT enclosed.
7.	Details regarding emergency control	:	Fire hydrant system.

	Arrangements ,neutralization, etc.		
8.	Personal Protective Equipments.	:	Safety helmet, gloves, shoes, SCBA, fire suit.
9.	Status of On Site Emergency Plan.	:	Enclosed.
10.	Status of Safety and Health Policy.	:	Prepared.
11.	Details of medical resources.	:	OHC & Ambulance.
12.	Whether human habitation is likely to be affected due to any untoward incidence In the factory, if so details.	:	Likelyupto1900m.
13.	Firefighting equipment.	:	Portable fire extinguishers and fire hydrant System.
14.	Antidotes.	:	Maintained.

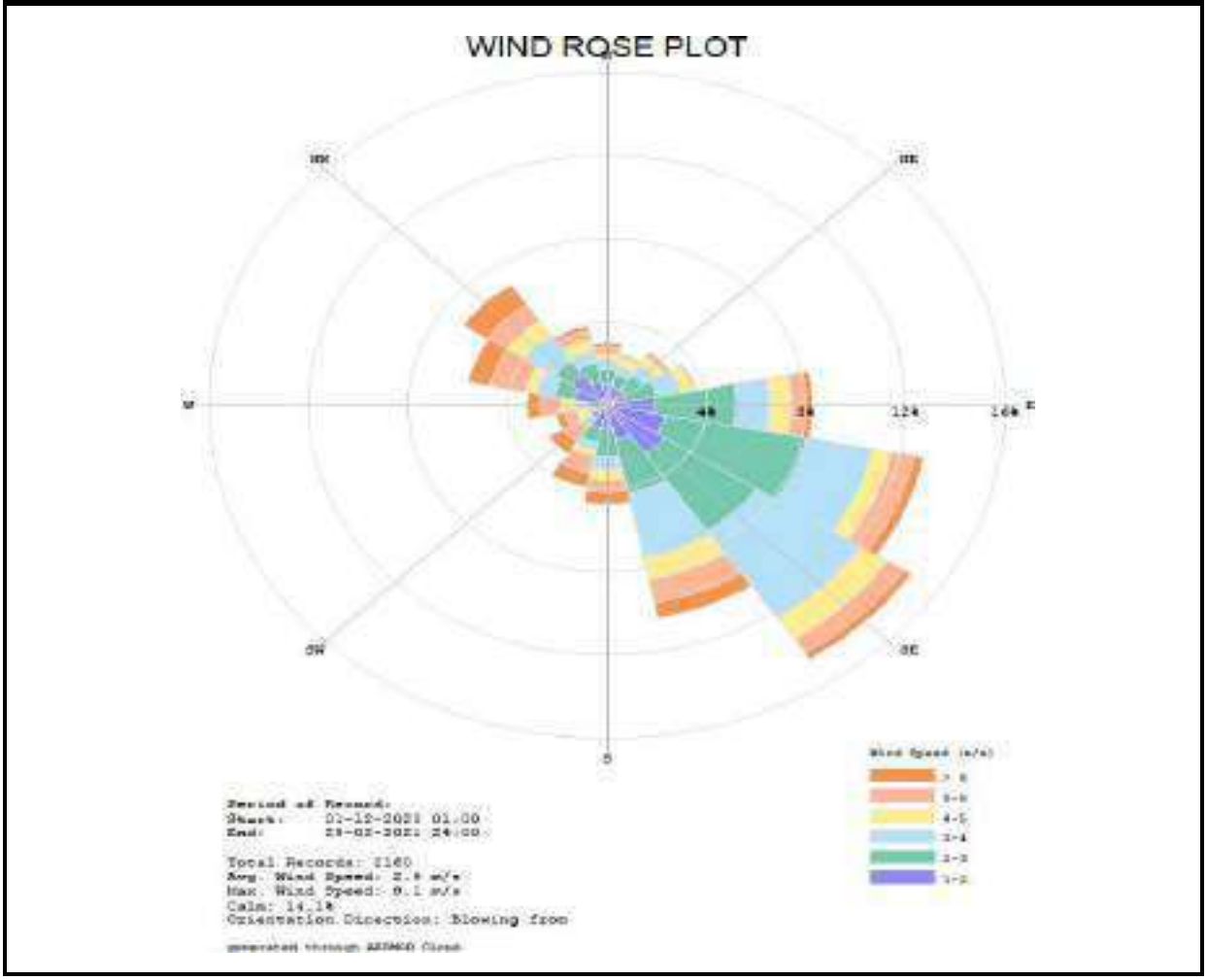
VULNERABLE ZONE:

The vulnerable zones as obtained during consequence analysis for hazardous chemical releases for typical weather conditions wind 1.5 m/s and stable (F) weather category are superimposed on the satellite image of site plan termed as MARPLOT. Chlorine dispersion affects longer distances downwind of the release location hence vulnerable zone for the same issue shown in the following figure.

MARPLOT-CHLORINERELEASE-MCASCENARIO

Chlorine dispersion affects longer distances downwind of the release location hence vulnerable zone for the same is shown in the above figure. Depending the prevailing atmospheric conditions at the time of the event the impact will undergo change.

WINDROSE



EVACUATION:

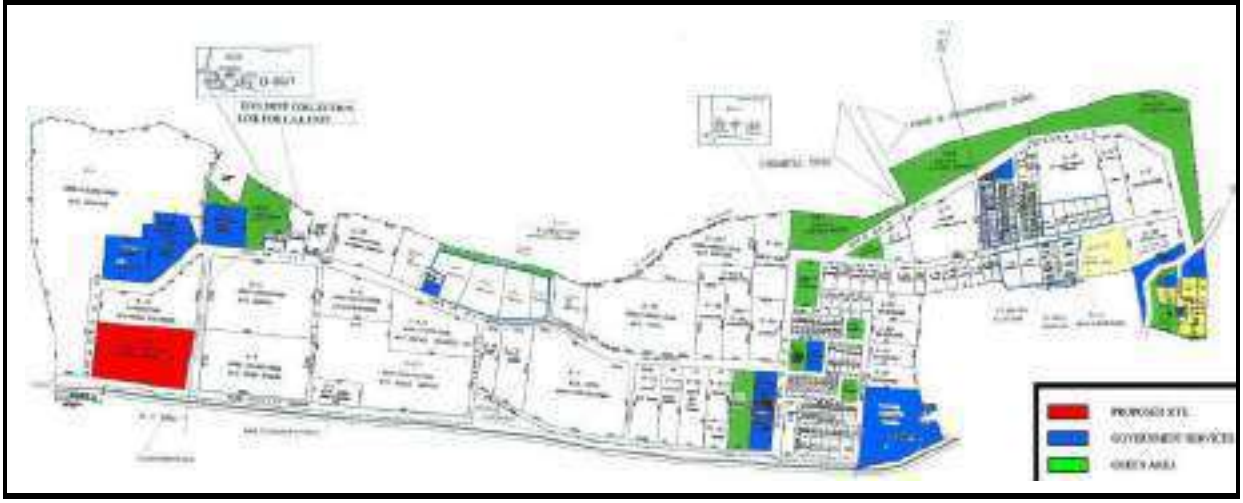
ERPG3 concentration is the maximum air borne concentration below which it is believed that nearly all individuals could be exposed for up to 1 hour without experiencing or developing life-threatening health effects.

Immediate evacuation is required up to which ERPG 3 concentration prevails and the above figure shows the contour.

The vulnerable zone is mainly covers MIDC industrial area. The site population density (66 persons per hector) is assumed same for the surrounding industrial area. The persons in the vulnerable zone need to be evacuated with arrangements for shelter and transport arrangement for the same.

The estimated outdoor and indoor concentration of Chlorine is 2350 ppm and 35.3 ppm respectively at ECC. The Assembly Point (AP) and Emergency Control Center (ECC) will also be affected needing alternate safe location during off site emergency.

SITESURROUNDING-MIDCAREA



POPULATION OF SITE SURROUNDING VILLAGES

SR. NO.	VILLAGES	DISTANCE	NO. OF HOUSES	POPULATION		
				MALE	FEMALE	TOTAL
1	Roti.	2.5 Km	210	589	549	1138
2	Kurkumbh.	4.2 Km	1265	2755	2538	5293
3	Girim.	5 Km	400	3500	2447	5947
4	Pandharewadi.	5.4 Km	500	5000	3000	8000
5	Jiregaon.	5.5 Km	1400	1400	1075	2475
6	Hinganigada.	6 Km	450	1400	1100	2500
7	Wasunde.	6.5 Km	375	900	827	1727

Source: Grampanchayat records, 2025.

There is no villages located within 2Km distance from M/s. Shogun Organics Limited.

SITESURROUNDING

SECTION5: IDENTIFY THE FACILITIES ANDTRANSPORT ROUTES.

TRANSPORTROUTES

SECTION6: CONTACT FOR FURTHER ADVICE
E.g. Meteorological Information, Transport, Temporary Food And Accommodation, First Aid And Hospital Services, Water And Agricultural Authorities.

SN.	DESCRIPTION	CODE	CONTACTNUMBERS
	FIREBRIGADE		
1	Daund Municipal Council.	02117	262444,262339/64
2	Reliance Chemicals, MIDC, Kurkumbh.	02117	235204,235217
3	Sinar MasPulp& PaperLtd., Bhigwan.	02118	246202,246214
4	Bhima Sakhar Karkhana.	02117	222160,222129-222132
5	Baramati Municipal Council.	02112	222307
	POLICE		
1	Police Station, Daund.	02117	262333
2	Superintendent of Police.	020	25657878
3	Kurkumbh MIDC.	02145	233010
4	Kurkumbh Help Centre.		9823341290
	MEDICALASSISTANCEAND AMBULANCE		
1	CIPLA.	02117	235231,235232
2	Daund Municipal Council.	02117	262444
3	Patil Pawan Sanghatana,Daund.	02117	262197,262542
	ADMINISTRATION/REGULATORYAGENCIES		
1	District Magistrate.	020	2324650
2	Directorate of Industrial Safety &Health.	022	27578587
3	MPCB, Kalpataru Point, Sion,Mumbai–400022.		24010437 24020781, 24037124, 24035273
4	Dy.Director Ind. Safety& Health, Pune.	020	24266918, 24268898
5	Jt.Director, Industrial Safety & Health, Pune.	020	24266918, 24268898
6	Director Ind. Safety & Health, Mumbai.	022	26572504, 26572509
7	Labour Commissioner.	020	25810613
8	Gram Panchayat– Pandharewadi.	02117	235274,235546
	OTHERS		
1	MIDC, Kurkumbh.	02117	235220
2	MSEB, Kurkumbh.	02117	235123,235124
3	KEPCSM–Kurkumbh Environment Pollution Control Society Maryadit.	02117	235650
4	ST Stand, Daund.	02117	262334,263334
5	Railway Station, Daund.	02117	262494
6	Home Guard Service, Daund.	02117	262263

Emergency co-coordinator to establish communication to district disaster control room for requisition of services/ assistance of IRT's/ NGO's.

SECTION7: COMMUNICATION LINKS INCLUDING TELEPHONES, RADIOS AND STANDBY METHODS.

- Static Wireless Set.
- Mobile Wireless Set.
- Walkie Talkie with spare battery.
- Patas Toll plaza.

SECTION8: SPECIAL EQUIPMENT INCLUDING FIRE FIGHTING MATERIALS, DAMAGE CONTROL AND REPAIR ITEMS.

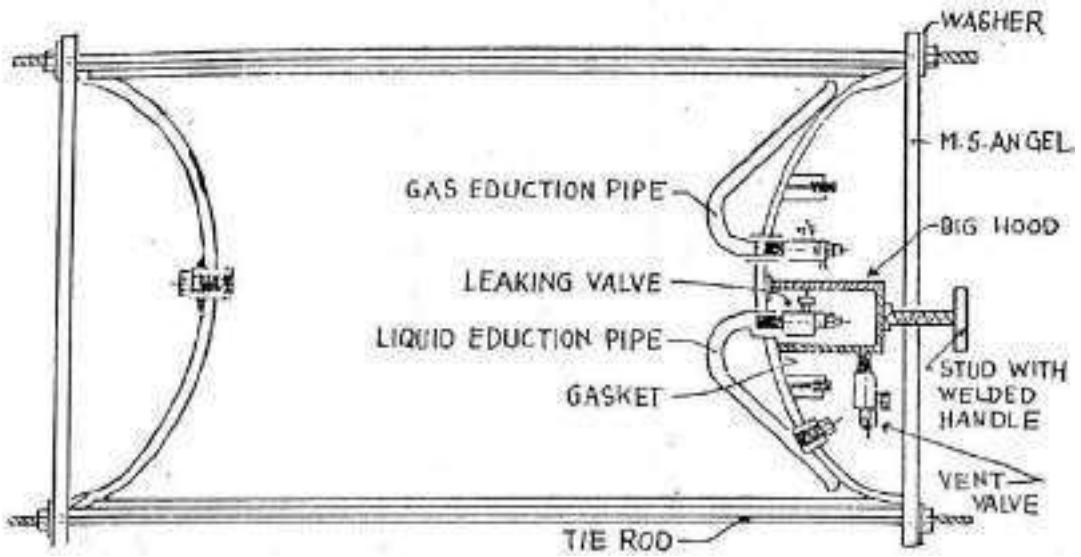
▪	SAR'S.
▪	PPE, SCBA sets.
▪	Hazmat Van equipped with suction tank.
▪	Rescue kit.
▪	Mobile workshop for repair off fire appliances (technical personnel).
▪	Fire tender.
▪	Emergency power (D. G. Set).
▪	Chlorine leak control kit.
▪	Hand held loud speaker.
▪	Portable fire extinguishers.

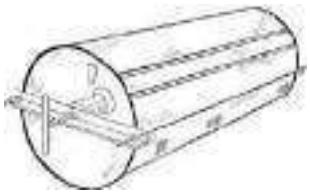
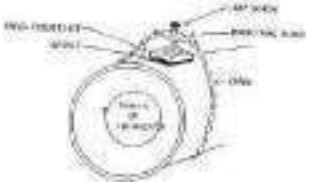
SECTION9: DETAILS OF EMERGENCY RESPONSEP ROCEDURES.

HAZARDOUS CHEMICALS:

CHLORINE
▪ The most common emergency that arises during Chlorine handling is through leakage. The leakage from pipeline, process equipment of cylinder itself. In order to ascertain the location of the leak, an "Ammonia Torch" is generally used. this consists of a stick with cloth bulb soaked with aqua Ammonia which in the presence of Chlorine gives white cloud thereby Indicating Chlorine leakage and source thereof.
▪ In case of leakage, clear all the personnel not directly concerned, from the area affected. The personnel should proceed up wind and to a higher plane in the open and at right angle to the wind direction. Only specially trained and fully equipped persons should be permitted in the area.
▪ If the leak is from the process system, stop the supply of Chlorine to the system by closing There Levant valves.
▪ If the leak is from the pipeline, close the valve son both sides of leak as well as the valve at the source.
▪ If the leak is from the wall of the cylinder kept cylinder vertical l so that only gas escapes.
▪ Use Chlorine emergency kit for plugging the leak from the valve, or wall of the cylinder or Tonner.

CHLORINETONNERDESIGN



SCBA	Canister Type Mask	CHLORINELEAKCONTROLKIT	
		Leak At Tonner Valve 	Leak At Body Of The Tonner 

NEUTRALISATION PROCEDURE
▪ If all efforts to control leak fails, and the leakage continues, neutralize the Chlorine by passing into a solution of caustic soda, soda ash or hydrated lime through a suitable pipe line with a perforated distributor. Caustic soda is recommend absorbs Chlorine more readily.
▪ Never immerse the leaking container in the tank containing alkaline solution.

BROMINE
RELEASE,NO FIRE;
▪ Stop the release if it can be done safely from a distance.
▪ Prevent material and run off from entering sewers and water way shift can be done safely Well ahead of the release.
▪ Use large amounts of water well away from the release to disperse vapors-contain Runoff.
▪ Ventilate confined area if it can be done without placing personnel at risk.
▪ If in a building, evacuate the building and confine vapors by closing door sands hutting Down ventilation systems.
FIRE;
▪ Material does not burn; fight surrounding fire with an agent appropriate for the burning Material.
▪ If material is not leaking, cool exposed containers with large quantities of water from Unattended equipment or remove intact container shift can be done safely.

AMMONIA
RELEASE,NO FIRE;
▪ Stop the release if you can do It safely from a distance.
▪ DO NOT PUT WATER ON LIQUID AMMONIA.
▪ Prevent material and run off from entering sewers and water way shift can be done safely Well ahead of the release.
▪ Use large amounts of water well way from the release to disperse vapors-contain Run off.
▪ Ventilate confined area if it can be done without placing personnel at risk.
FIRE;
▪ Material does not easily burn; fight surrounding fire with an agent appropriate for the Burning material.
▪ If material is not leaking, cool exposed containers with large quantities of water from Unattended equipment or remove intact container sift can be done safely.
▪ If cooling streams are in effective(venting sound increases in volume and pitch, tank Discolors or shows any signs of deforming), with draw immediately to secure location.

HYDROGEN
▪ In case of leakage, clear all the personnel except those involved in emergency operation, from the area affected. The personnel should proceed up wind and at right angles to the wind direction. Only specially trained and fully equipped personnel should be permitted in the area.
▪ Shut off all the ignition sources in the area surrounding the leakage.
▪ Isolate the leaking equipment or pipe line by shutting off the relevant valves.
▪ Shut off leak if possible without risk.
▪ Start water sprinklers on the leaking as well as the adjoining tanks or containers.
▪ In case fire breaks never go near the tank for fear of explosion. Keep the leaking and Adjacent cylinders cool by water spray.

LPG
RELEASE,NO FIRE;
▪ Stop the release if it can be done safely from a distance
▪ Use large amounts of water well away from the material to disperse gas-contain run off.
FIRE;
▪ Do not extinguish the fire unless the flow of the gas can be stopped and any remaining gas is Out of the line.
▪ Specially trained personnel may use fog lines to cool exposure sand let the fire burn it self out.
▪ Cool exposed containers with large quantities of water from unattended equipment or remove In tact containers if it can be done safely.
▪ If cooling streams are in effective(venting sound increases in volume and pitch, tank Discolors or shows any signs of deforming), withdraw immediately to a secure location.

CARBONDISULFIDE
RELEASE,NO FIRE;
▪ Stop the release if it can be done safely from a distance.
▪ Prevent material and run off from entering sewers and water ways if it can be done safely well Ahead of the release.
▪ Use large amounts of water to disperse vapors–contain runoff.
▪ Consider the application off large areas of spilled liquid to control vapors.
▪ Ventilate confined area if it can be done without placing personnel at risk.
FIRE;
▪ If material lies on fire and conditions permit, DO NOT EXTINGUISHES.
▪ Specially trained personnel operating from a safe distance can fight fire using foam or dry Chemical if available in sufficient amounts.
▪ Under favorable conditions ,experienced crews can use coordinated fog streams to sweep the Flames off the surface of the burning liquid.
▪ Keep exposures cool to protect against re-ignition.
▪ Do not direct straight streams into the liquid.
▪ Cool exposed containers with large quantities of water from unattended equipment or remove Intact containers if it can be done safely.
▪ If cooling streams are in effective(venting sound increases in volume and pitch, tank Discolors or how sandy signs of deforming), withdraw immediately to a secure location.

FINISHED PRODUCTS –PYRETHROID, INSECTICIDE, HERBICIDE
RELEASE,NO FIRE;
▪ Cover material all to protect from wind, rain or spray.
▪ Prevent material land run off from entering sewers and water ways.
▪ Evacuate and restrict persons not wearing protective equipment from area of spill or leak Until cleanup is complete.
▪ Ventilate area of spill or leak.
▪ Stay up wind; keep out of low areas.
▪ Ventilate closed spaces before entering them.
▪ Remove and isolate contaminated clothing at the site.
▪ Do not touch spilled material.
▪ Use water spray to reduce vapors.
▪ Absorb liquids in vermiculite, dry sand, earth, peat, carbon, or a similar material and deposit In sealed containers for safe disposal.
FIRE;
▪ Fight surrounding fire with an agent appropriate for the burning material.
▪ Cool exposed containers with large quantities of water from unattended equipment or remove Intact containers if it can be done safely.

FLAMMABLE SOLVENTS:XYLENES
RELEASE, NO FIRE;
▪ Stop the release if it can be done safely from a distance.
▪ Prevent material and run off from entering sewers and water ways if it can be done safely well A head of the release.
▪ Use large amounts of water to disperse vapors–contain runoff.
▪ Consider the application of foam to large areas of spilled liquid to control vapors.
▪ Ventilate confined area if it can be done without placing personnel at risk.
FIRE;
▪ Specially trained personnel operating from as a distance can fight fire using foam or dry Chemical if available in sufficient amounts.
▪ Under favorable conditions, experienced crews can use coordinated fog streams to sweep the Flames off the surface of the burning liquid.
▪ Keep exposures cool to protect against re-ignition.
▪ Do not direct straight streams in to the liquid.
▪ Cool exposed containers with large quantities of water from unattended equipment or remove Intact containers if it can be done safely.
▪ If cooling streams are in effective(venting sound increases in volume and pitch, tank Discolors or how sayings of deforming), withdraw immediately to a secure location.

SULFURDICHLORIDE
RELEASE,NO FIRE;
▪ Stop the release if it can be done safely from a distance.
▪ Prevent material and run off from entering sewers and water ways if it can be done safely well Ahead of the release.
▪ Use large amounts of water well away from the material to disperse vapors-contain runoff.
▪ Ventilate confined area if it can be done without placing personnel at risk.

SULFURDICHLORIDE
FIRE;
▪ Material does not easily burn; fight surrounding fire with anagent appropriate for the Burning material.
▪ If possible, do not allow water to come in contact with the material.
▪ If material is on fire, use dry chemical to extinguish.
▪ If water must be used, use it in flooding quantities.
▪ If material is not leaking, cool exposed containers with large quantities of water from Unattended equipment or remove intact containers if it can be done safely.
▪ If cooling are in effective(unvented container distorts,bulgesors how s any other Sign of expanding), with draw immediately to a secure location.

HEAVY RAIN FALL / FLOODING
▪ Planning for all storage ,process controlling equipments and parameters considering the Possibility of heavy rain fall and flooding.
▪ Training of all employees regarding dos and don'ts incase of heavy rainfall and flooding.
▪ Storage of material in good–leak proof storage area, which would not be affected due to heavy rain fall and the flooding, it must not be at low laying area so that water currents can Enter in to the storage.
▪ Water reactive, acidic–alkaline and toxic material should be stored by extreme care.
▪ Compatibility study should be considered while identifying the areas for storage of all Materials.
▪ Containment must be provided to all tanks and shut off valves to be provided to the storm Water drain at various locations.
▪ Provision to lift the contaminated water into the ETP from storm water drain.
▪ Adequate quantity of Hydrochloric Acid and Caustic should be available in ETP to take care Of neutralization of acidic /alkaline water received in ETP.
▪ Life jackets should be made available for use in emergency.

CIVIL CRIMINAL OR TERRORISM DISTURBANCES
Disturbances the site may be subjected to range from vandalism, labour problems, and public displeasure with company policy, external civil / terrorism disturbances.
Action Requirement;
▪ Minor disturbances and acts of localized vandalism.
▪ Alert Security.
▪ Encourage employees and neighbors to alert Security promptly of any suspicious Persons in the area.
▪ Repair any building damage promptly,(broken windows, boundary wall).
▪ Height insecurity level and screening.
▪ Remove all chemical tanker from outside road in front of plant and take them to safe Place.
▪ Heighten security level.
▪ It may be necessary to Notify the police.
▪ Major disturbances which threaten life and property;
▪ Report to the police and consult the Corporate Crisis team.
▪ Make the utilities and fire protection equipment as safe as possible.
▪ Heighten security level to lock and control all entry points to the site.
▪ Secure work areas.
▪ Remove all chemical tanker from outside road in front of plant and take them to safe place.
▪ Organize in force security strength and increase fence surveillance.

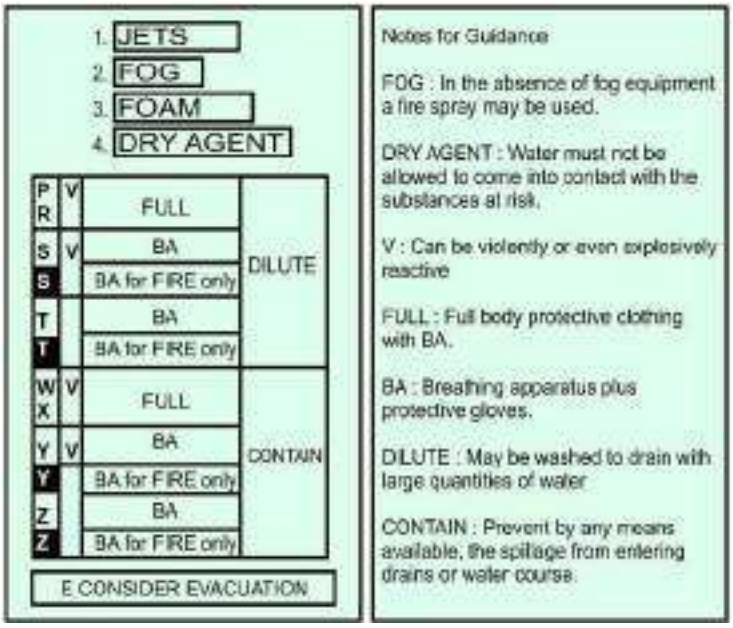
EARTHQUAKE
The duration of an earthquake is likely to be short& action during the earthquake should be Self protection. Avoid windows or areas where objects above you can fall.
▪ **During an earthquake;**
▪ Stay indoors & take cover under a deck or in a door way.
▪ If outdoors, get in to an open area away from buildings or over head structures.
▪ If driving, pullover &stop in an area clear of buildings or over head structures. Stay in the vehicle.
▪ **When the earth quake stops;**
▪ Remain in the same position for several minutes in preparation for after for Shocks.
▪ Check for injuries. Render first aid.
▪ Check for damage or fires.
▪ **If the damage is severe;**
▪ The first consideration should be for the safety & accountability of people. Communications with civil authorities and services will probably be limited and plant personnel will have to handle conditions in the plant for several hours Before outside help can be obtained.
▪ It is possible that power and water services will be cut off and fires may have to Be contained using fire extinguishers only.
▪ Evacuate to the assembly area.
▪ Keep non emergency personnel out of the plant and buildings until the damage Has been evaluated.
▪ Wait instructions from the Emergency Controller.
▪ **Employee Response;**
▪ Persons working in office area are exposed to hazard off ales ceiling falling down. They can takes helter under heavy furniture e.g. tables from protecting Them from falling false ceiling.
▪ Personnel are not supposed to stand or walk near wall sand glass windows.
▪ Do not stand near pylons around building.
▪ Objects mounted on walls and lights are weak points may fall during earthquake. Do not stand or walk near them. Choose evacuation route in such a way that These can be avoided.
▪ **Emergency Respondents;**
▪ Ensure head count after evacuation/earthquake.
▪ Identify list of personnel trapped.
▪ Inside, if any and form and send teams in side for rescue.
▪ Ensure first aid is provided.
▪ Form various teams e.g. fire fighters, first aiders, assessment etc. and maintain There cords of personnel sent in side.
▪ Assessment of office prior to declarer entry.

ODORCOMPLAINT
In the case of an odor complaint it is the responsibility of the person taking the call (or in the case of an internal complaint the complainant) to initiate the incident report that is necessary For all odor complaints. As much information as possible is to be included on this form.
▪ The production shall investigate the odor when they are informed of the complaint.
▪ If the source of the odor is found, immediate action is to be taken to eliminate.
▪ The odor. If the source cannot be found it may be deemed necessary to call the EHS. Manager/Production Manager.
▪ **Reporting Procedure to Adjacent Neighbors;**
▪ Identify yourself.
▪ Obtain & record name of person receiving call &time of call.
▪ Give incident description (short &simple)&advice on necessary action they Might take for precaution.
▪ **If known ,offer the following information;**
▪ Time incident started.
▪ Brief description of incident.
▪ Materials involved.
▪ Current status of incident.
▪ When incident is expected to over.
▪ Potential impact on neighbor & if evacuation is necessary.

TRANSPORT RELATED INCIDENTS
Action Requirement;
▪ If an accident resulting in the spill of hazardous materials occurs near the site.
▪ Fires, explosions or any unplanned sudden or non-sudden release of hazardous waste or Hazardous waste constituents to air, soil or surface water.
▪ The site Emergency Controller shall be contacted promptly to initiate immediate action that May be necessary before the authorities can respond. These actions should include;
▪ Notifying the Fire Department& Police.
▪ Limiting Damage-Efforts should be limited to protecting property and the evacuation of personnel.
▪ Eliminating ignition sources located downwind if the material released is flammable.
▪ Off site emergency response procedures is separately dealt in Transport emergency Manual/TRE Card instructions.
▪ Refer compatibility of hazardous waste.

HAZCHEMCODE
In case an accident resulting in the spill of hazardous materials occurs near the site. Fires, explosions or any unplanned sudden or non-sudden release of hazardous waste or hazardous Waste constituents to air, soil or surface water.
▪ If necessary, a fire fighting medium represented by a higher number than that shown may be used, but not represented by a lower number.
▪ Where the letter appears as white on black, police and other non-fire service personnel need to wear breathing apparatus only for a fire and not for a spillage, but fire men are required to Wear it in both cases.
▪ Letter indicates that the officer in charge should consider civil evacuation of the area.

HAZCHEMCODE



It is important to note here that the objective of the HAZCHEMCODE is not to identify the Chemical carried in the vehicle. The purpose of HAZCHEMCODE is only to Provide guidance on the basic approach to deal with an emergency.

PANDEMIC:COVID-19

An indicative list of Do's and Don'ts saran as follows:

DO'S.	DON'TS
▪ To maintain personal hygiene and physical Distancing.	▪ Shake hands.
▪ To practice frequent hand washing. Wash hands With soap and water use alcohol-based hand rubs. Wash hands even if they are visibly clean.	▪ Have a close contact with any one, if you're experiencing cough and fever.
▪ To cover your nose and mouth with Handkerchief/tissue while sneezing and coughing.	▪ Touch your eyes, nose and mouth.
▪ To throw used tissues in to closed bins immediately After ruse.	▪ Sneeze or coughing to palms of your hands.
▪ To maintain a safe distance from persons during Interaction, especially with those having flu-like symptoms.	▪ Spit in Public.
▪ To sneeze in the inner side of your elbow and not To coughing to the palms of your hands.	▪ Travel unnecessarily, particularly to any affected Region.
▪ To take their temperature regularly and check for respiratory symptoms. To see a doctor if you feel unwell (fever, difficulty in breathing and coughing). While visiting doctor, wear a mask/cloth to cover your mouth and nose.	▪ Participate in large gatherings, including sitting in groups at canteens.
▪ For any fever/flu-like signs/symptoms ,please call ECC or further instructions.	▪ Visit gyms, clubs and crowded places etc.
▪ Self-quarantine yourself for 14 days if you come	▪ Spread rumors or panic.

In two contact with someone who test positive for Corona virus.

SOP:EVACUATION(TYPICAL)

I	CHIEF SITE CONTROLLER
1	ProceedtoECCwheninformedofthedisaster/potentialdisastrouseventatsite.
2	On arrival at ECC The Chief Site Controller Shall relieve the Site Incident Controller Of responsibility of overall main control of the event.
3	In consultation with Site Incident Controller and advisory team The Chief Site Controller will take stock of the situation like exact location, number of people and the area affected etc.decide on level of emergency, establish immediate priorities and Guide The Site Incident Controller and emergency co-coordinator accordingly.
4	Ensure that all the key persons are available on site/ performing the task.
5	Delegate any extra duty to relevant person depending upon the situation.
6	Ensure that adequate safety measures for responders and affected communities are in Place all the time.
7	Ensure smooth working of all the emergency respondents and make sure that all Conflicts (if any) are resolved.
8	Withdraw the staff in case of the human life is in peril.
9	Authorize release of information to the media.
10	Ensure financial support for the disaster control activities and relief materials.
11	Keep contact with District Disaster Control Room.
12	Get the de-warning from District control Room and announce the same.
13	Give authorization for clearance signal to the Site Incident Controller and emergency Coordinator when everything becomes normal.
14	Determine priorities for restoration work and seek the advice of a conservator as to the Best methods options, and obtain cost estimates.

II	SITE INCIDENT CONTROLLER
1	On hearing of emergency alarm immediately proceed to site of incident (unless already Present there) .to takes charge and gives guidance over public address system.
2	Assume the additional responsibility of the Chief Site Controller till the arrival of the Chief Site Controller.
3	Assess the level of emergency and activate emergency services of Fire and security department, inform Fire brigade, Police, Site Chief Controller and Site Emergency Co-Coordinator.
4	Identify the areas likely to be affected by the emergency. Give information as required By the Fire Brigade and Police.
5	Carryout fire fighting and evacuation operations.
6	Use PAS, mega phone, cell phones to keep two way communication with emergency Teams and the affected persons in the building especially in lifts and rooms.
7	Guide occupants on the steps being taken for evacuation in a systematic manner.
8	Assist the law and order machinery.
9	Account for all occupants at the assembly area and give headcount, missing persons

	feedback to SAR team.

II	SITE INCIDENT CONTROLLER
10	Guide the search and rescue team with geographic information and persons trapped.
11	Get the de-warning authorization from the Chief Site Controller and communicate the Same to security head for giving all clear alarm.
12	Update the Record and documentation.
13	Perform such other duties as assigned by Chief Site Controller.

III	EMERGENCYCO - ORDINATOR
1	On receiving emergency information Proceed to Emergency Control Centre.
2	Call Police, Fire brigade and Mobilizing site emergency services.
3	Give immediate assessment to the authority on damage, massive casualty etc.
4	Inform Police, Fire brigade and Mobilizing site emergency services.
5	Mobilizing resources required for emergency response teams working.
6	Releaseofauthorizedinformationtothemediaandtakestepstoreduce/eliminate panic. Set up of help desk and information centers to provide response information to the public, relatives of victims and media.
7	Assure occupants of continuous communication and take all measures to keep up their Morale high.
8	Liaise with the law and order machinery.
9	Call for participating in the emergency response and coordinate between all emergency respondantssuchasvariouslinedepartments,representativesofGovt.authorities/ IRT's/ NGO's and ULB's etc.
10	Perform such other duties as assigned by Chief Site Controller.
11	Follow up of injured at hospital.
12	Settinguphelpdeskandinformationcenterswillbesetuptoprovideresponse Information to the public, relatives of victims and media.
13	Mobilizing Emergency Respondent teams, IRT's, NGO's.
14	Communication with district disaster control cell and declaring off site emergency(if Situation escalates).
15	Release of authorized information to the media.
16	Emergency under control report to Chief Site Controller.
17	Termination of emergency and 'All Clear Alarm'.
18	Analyze the disaster and improve the DMP in the light of experience.
19	Contact insurers.
20	Disseminate precautionary information on post disaster health hazards and remedies.
21	Replenish depleted resources such as firefighting materials, rescue materials.
22	Establish a program to rest or both the disasters it and the damaged materials to a Stable and usable condition.
23	Maintain the DMP resources.
24	Organize Fire Drill, Safety Audits ,Mock Drills and periodic training and DMP Awareness program.

IV	SUPERVISOR
1	On receiving signal, information of the incident Security person to confirm and raise The site emergency alarm, Inform the Site Incident Controller.
2	On receiving emergency alert supervisor of the affected area to proceed to site(if not Already at incident spot) as directed from ECC.
3	Supervisorofthenonaffectedareatokeepattentiontoannouncementsandfollow Emergency Co-Coordinator instructions.
4	Watch and ward & security persons carry out Traffic control, law and order situationandcrowdcontrolatAssemblypoint.Keepthefiretenderroutesfreefrom Obstruction.
5	Guide and assist to carryout fire fighting operations.
6	Supervise and assist the search and rescue team for evacuation, search of the trapped Person sand rescue of the same to assembly area.
7	Alert all occupants without further compromising life and assist those which are Persons with special needs.
8	If people are buried under the debris, call for help of the rescue team for your help.
9	Assist in head count at assembly point and give feed back to Site Incident Controller.
10	Maintain an updated list of emergency telephone numbers at ECC.
11	Clean and rehabilitate the disaster site.
12	Perform such other duties as assigned by Chief Site Controller.
13	Ensure occupants do not attempt tore-enter the building until it is safe to do so.

V	EMERGENCY RESPONDENT TEAMS–(SAR)TEAM
1	On receiving emergency alert SAR team member stop proceed to ECC ,get equipped With required PPE and proceed to incident site or as directed from ECC.
2	Fire fighting trained persons to Carryout Firefighting operations and try to put out with help of people around you if safe to do so. On arrival of fire brigade; assist and provide required information.
3	Search for the trapped persons and rescue of the same to assembly area.
4	Provide first aid trained persons to provide first aid to injured where ever necessary And shift to first aid room for further action.
5	Carry out evacuation of the building as per directions from ECC. Ensure the safe Evacuation of all occupants from the building.

6	Perform such other duties as assigned by Chief Site Controller.
VI	**EMERGENCY RESPONDENT TEAMS–ENGINEERING TEAM**
1	On receiving emergency alert proceed to respective work places or as directed from ECC.
2	Ensure uninterested water supply to fire hydrant system.(Water- reconnection Priority if affected in the incidence).
3	Restore power supply in case affected to emergency equipments(Loss of power will Mean loss of fire systems, if prolonged).
4	Ensure uninterested power supply to fire and emergency lighting.
5	Restore Power supply to emergency lighting.
6	Restore and maintain communication network such as PA system ,siren ,phones, TV, Radio systems.
7	Ensure adequate warning to Emergency Co-Ordinator before stopping power to lifts, Bring the lifts to safe position.
8	Attend Lift failures.
9	Ensure working of drainage, dewatering pumps.
10	Assist the search and rescue team in case of any metal cutting operation, vehicle Failures etc.
11	Perform such other duties as assigned by Chief Site Controller.

VII	**EMERGENCYRESPONDENTTEAMS–ADVISORYTEAM**
1	When informed of the disaster/potential disaster event at site, proceed to ECC or Keep available for communication.
2	Assess the relevant data received at ECC.
3	Assist the Chief Site Controller indecision making process.
4	Collectrelevantinformationandtakestockofsituationtimetotimeandadvisethe Site Chief Controller.
5	Give feedback on revision of the DM Pin view of the lessons learnt from the incident.

VIII	**ALLOTHER ATSITE**	
1	In Case of noticing Fire:	
	a)	Raise the raise break glass fire alert.
	b)	Dial‘(101 fire brigade emergency number)’and inform fire/ security department Location and incidence.
	c)	Raise verbal fire alarm to activate other persons in the area.
2	Contain the fire by closing windows and doors to minimize the danger of the fire and Smoke spreading.	
3	Extinguish the fire if; you have been trained in the use of a fire extinguisher, it is safe To do so or you have someone in support.	
4	Remove or help to Rescue occupants from the area of immediate danger. To refuge Area and follow further instructions from ECC regarding evacuation.	
5	On receiving emergency evacuation proceed to Assembly point.	
6	Persons of no affected building/area keep attention to announcements and follow Emergency Co-Coordinator instructions.	
7	Co-operate in evacuation headcount procedure at Assembly Point.	

8 Keep calm, switch on the transistor radio an do any instructions you receive on the TV, radio, public address system, siren alarm rover balmodeof communication.
DO'S
• Remain calm.
• Walk out of the building quietly and orderly manner.
• Follow the evacuation route only.
• Follow instruction from guides on any confusion about the route and assembly area.
• Switch off the machinery and power supply before leaving the area.
• Remaining the assembly area until further instructions are given.
• Check for all the employees at the assembly area. If anybody is missing, the matter Should be immediately reported to the emergency co-coordinator.
• Use staircase during evacuation
• While Evacuation keep clear of buildings and glass in particular, power lines.

DON'TS
• Do not run. Walk calmly.
• Do not argue to obtain details about the security threat from anybody leading to Time loss.
• Do not obstruct the flow of evacuation.
• Do not leave any person belongings.
• Do not obstruct passage to anybody.
• Do not make noise at the assembly area.
• Do not spread rumors.

SECTION10: NOTIFYTHE PUBLIC.

SIRENCODE:

EmergencyLevel1&2	:	One continuous wailing sound of 30 seconds duration. Repeat after a minute.
EmergencyLevel3	:	Three interrupted wailing sounds of15 seconds duration each with A gap of30 seconds. Repeat after minute gap.
All Clear	:	Long whistle of one minute duration.

- Warning of fire or emergency received at fire &/ security department by fire call point, CCTV panel, by watch ward staff, leak detector, smoke detector, intercom in flats, mobile, bell in lifts, hooters at control room.
- Two way communication to emergency respondents by walk, talky.
- Warning to public by PAS/ hand held loudspeaker and Siren electrical/ hand operated located at strategic location and operated from at ECC by fire &/ security department.

NODAL AGENCIES FOR EARLY WARNING OF DIFFERENT NATURAL HAZARDS;

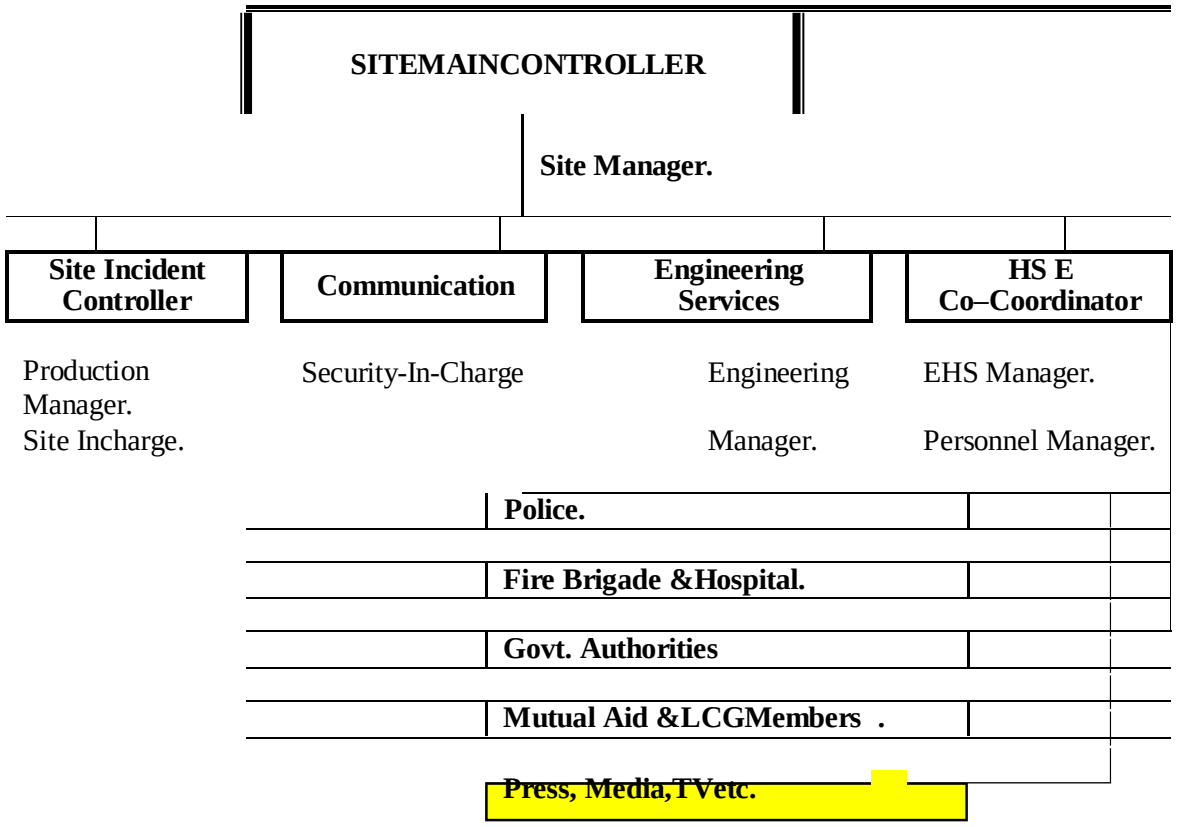
DISASTERS	AGENCIES
Earthquakes	**IMD, MERI.**
Floods	**Meteorology Department, Irrigation Department-Central Water Commission.**
Cyclones	**IMD (Indian Meteorological Department).**
Epidemics	**Public Health Department.**
Road accidents	**Police.**
Industrial & Chemical Accidents	**Industry, Police.**
Fires	**Fire Brigade, Police.**
Landslides	**Geological Survey of India.**

SECTION11: EVACUATIONARRANGEMENTS.

SEARCHANDRESCUETEAM– (SAR)
The SAR team may include external agencies depending upon the accident scenario.
▪ Security.
▪ Watch& ward.
▪ Office staff trained in fire fighting &first aid.
▪ Fire brigade.
▪ NGO's.
▪ IRT's.
▪ Civil defense.
▪ NDRF.
▪ Medical team.
▪ Police and Home guard.
▪ LCG members.
▪ Mutual aid members etc.

SECTION12: ARRANGEMENTSFORDEALINGWITHTHEPRESSAND OTHER MEDIA INTERESTS.

1.	**NAME**	**:**	**Site Manager.**
2.	**EMERGENCY CO- ORDINATOR**	**:**	**To release of authorized information to the media;**



SECTION13: LONGERTERMCLEAN UP.

RECOVERY:

- Deactivation of the ECC once the recovery operations are over as declared by chief site controller.
- Replenishment of used stocks of fire fighting materials
- Follow up of injured at hospital.
- Recordkeeping
- Clean and rehabilitate the disaster site.
- Determine priorities for restoration work and seek the advice of conservator as to the best methods and options, and obtain cost estimates.
- Contact insurers.
- Analyze the disaster and improve the planate light of experience.

MEDICAL:

- Information and help desk at site.
- Informing the relatives of the injured.
- Follow up of injured at hospital, if any.

DAMAGE ASSESSMENT FOR INSURANCE SURVEY WITH FOLLOWING OBJECTIVES:

- The loss in terms of assets if disaster happens; and
- Lost income in the event that the facility becomes unavailable or partly unavailable.