

**Six-Monthly Environmental Compliance Status Report
of Stipulated Conditions of Environmental Clearance
(July 2018 to December 2018)**

Submitted by

**M/s Kalpsutra Chemicals Pvt. Ltd.
Plot No. M-12, MIDC, Additional Ambernath,
Ambernath, District-Thane, Maharashtra**

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CHAPTER 1 : INTRODUCTION & PROJECT DESCRIPTION

1.1 Introduction

The project of **M/s Kalpasutra Chemicals Pvt. Ltd.** is located at plot No. M-12, MIDC, Additional Ambernath, District Thane, Maharashtra; which is in notified industrial zone of government of Maharashtra. The company has obtained registration from Directorate of Industries, Maharashtra; copy enclosed as **Annexure-1**. This company has already obtained incorporation certificate No. 11-41296; copy enclosed as **Annexure-2**. This project has been awarded with environmental clearance by the State Level Environment Impact Assessment Authority, vide letter No. SEAC-2015/CR-169/TC-2 dated 28th January, 2016; copy enclosed as **Annexure-3**. The industry has obtained Consent to Establish from Maharashtra Pollution Control Board, vide letter No. Format 1.0/AST/RO-KN/ EIC No. KN-6733-15/E/CC--05428 dated 12.05.2015; copy enclosed as **Annexure-4**. The industry has obtained Consent to Operate from Maharashtra Pollution Control Board vide letter No. Format 1.0/BO/AST/UAN No.0000033117/O/CC-1803000471 dated 09.03.2018; copy enclosed as **Annexure-5**.

1.2 Project Description

Salient Features of the Project :

Location	Plot No. M-12, MIDC, Additional Ambernath, Ambernath, District-Thane, Maharashtra.
Co-ordinates of the location	Latitude - 19°9'58.67"N Longitude - 73°11'26.13"E The elevation from mean sea level is 62 m.
Location accessibility	Railway Station : Ambernath Railway Station located at a distance of 4.89 km from project site. Highway : State highway No. 80, located at a distance of 2.48 km from project site.
Type of industry	Small Scale Manufacturing Unit

Cost of the project	Total cost of the project - 19.80 Cr.																																						
Area statement	Total Plot Area - 11000 sq.m Built Up Area - 4900 sq.m Green Belt Area - 1820 sq.m Open Area - 2960 sq.m Parking Area - 1320 sq.m																																						
Product /byproduct details	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Name of Products</th> <th>Quantity MT/M</th> </tr> </thead> <tbody> <tr> <td></td> <td>Isobornyl Cyclohexanol</td> <td>300</td> </tr> <tr> <td>1.</td> <td>Isocamphyl Cyclohexanol</td> <td>100</td> </tr> <tr> <td>2.</td> <td>Sandalum</td> <td>5</td> </tr> <tr> <td>3.</td> <td>Kalpantal</td> <td>5</td> </tr> <tr> <td>4.</td> <td>Citronellal</td> <td>25</td> </tr> <tr> <td>5.</td> <td>Citronellol</td> <td>50</td> </tr> <tr> <td>6.</td> <td>Para tert. Butyl Cyclohexanol</td> <td>25</td> </tr> <tr> <td></td> <td>Total</td> <td>510</td> </tr> </tbody> </table>			Sr. No.	Name of Products	Quantity MT/M		Isobornyl Cyclohexanol	300	1.	Isocamphyl Cyclohexanol	100	2.	Sandalum	5	3.	Kalpantal	5	4.	Citronellal	25	5.	Citronellol	50	6.	Para tert. Butyl Cyclohexanol	25		Total	510									
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Water supply Source & Permission	MIDC, Necessary permission has obtained from MIDC for water supply; copy enclosed as Annexure-6.																																						
Water requirement	Total Water Requirement - 10.0 CMD Domestic - 6.0 CMD Industrial Cooling - 2.0 CMD																																						

	Gardening – 2.0 CMD
Effluent generation	Domestic/Sewage effluent – 4.8 CMD No trade effluent generation
Power Source & Requirement	MSEDCL, permission has obtained; copy enclosed as Annexure-7 . Power Requirement – 500 KVA
Gaseous emissions from different sources	From Stack ht. of 30 m of Thermopack Heaters From Stack ht. of 5 m (above the roof top level) of D.G. Set.
Boiler fuel	Coal/Biomass- 5 TPD Furnace Oil - 1.5 TPD Diesel – 150 L/Hr
Status of approvals from statutory bodies	<ol style="list-style-type: none"> 1. Registration obtained from Directorate of Industries. 2. Consent to establish obtained from MPCB. 3. Consent to Operate obtained from MPCB. 3. Power supply from MSEB. 4. Water Usage permission from M IDC. 5. Environmental Clearance.

1.3 Purpose of the Report

This six-monthly environmental compliance status report has to be submitted as per the conditions stipulated in the Environmental Clearance. The aim of six monthly compliance is to verify:

- That the project does not have any adverse environmental impact in the project area and it's surrounding.
- Compliance achieved with the stipulated conditions of Environmental Clearance.
- That the environmental mitigation measures as suggested in the approved Form-1, consolidated form & Environmental Management Plan (EMP) is implemented by Project Management.
- The project proponent is implementing the environmental safeguards in true spirit.

CHAPTER 2 : COMPLIANCE STATUS ON STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

2.1 Conditions along with Compliance status is discussed below in detail

Sr. NO.	Conditions of Environmental Clearance	Status of Compliance
GENERAL CONDITIONS:		
i.	This environmental clearance is issued subject to achieving Zero Liquid Discharge (ZLD) by incorporating a Multiple Effect Evaporator.	Complied. Industry has developed effluent free manufacturing process, only domestic effluent is being generated which gets treated in sewage treatment plant and treated effluent recycled for flushing purpose so as to achieve zero liquid discharge.
ii.	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	It will be ensured. No additional land will be used for any activity without obtaining prior environmental clearance.
iii.	This environmental clearance is issued subject to installation and implement online air monitoring facility equipment.	Project proponent has consented to condition.
iv.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	Complied. Regular sprinkling of water is being done to control fugitive natural dust.
v.	PP to ensure that transformer should not touch the drum storage building.	Project proponent has consented to condition.
vi.	Regular monitoring of the air quality including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB	Complied. Monitoring for gaseous emissions & particulate matters are being carried out through MoEF & NABL approved laboratory both in work zone and ambient air. The obtained results are well within limit of standards. The monitoring report copies are enclosed as Annexure-8 .
vii.	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	Complied. No furnace is used, industry use thermopack; adequate safety & ventilation is provided.
viii.	Proper Housekeeping programmers shall be implemented	Complied. To ensure clean & obstacle free shop floor, housekeeping is being

		maintained at plant. 5 Nos of manpower is provided for housekeeping.
ix.	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Complied. D.G. Set having 320 KVA capacity is installed to mitigate failure of any pollution control system adopted by the unit.
x.	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (if applicable)	Complied. Stack of 5 meter height (above roof) has provided for D.G. set. 320 KVA capacity.
xi.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied. Rainwater harvesting system is provided; photograph of tank is enclosed as Annexure-9 .
xii.	Arrangement shall be made that effluent and storm water does not get mixed.	Complied. The industry has developed effluent free manufacturing process, only sewage effluent is being generated from domestic activity of the unit which gets treated in sewage treatment plant and same is being recycled for flushing. Company has provided separate storm water drainage line, therefore at any point there is no any possibility for mixing of effluent and storm water.
xiii.	Periodic monitoring of ground water shall be undertaken and result analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	Complied. Ground water analysis is done through MoEF & NABL approved laboratory; results obtained are within limits as per standards; report copies are enclosed as Annexure-10 .
xiv.	Noise level shall be maintained as per standards. For people working in the high noise area, requisite protective equipment like earplugs etc. shall be provided.	Complied. Noise levels are monitored through MoEF & NABL approved laboratory, the obtained results are well within limits as per the standards. The monitoring report copy is enclosed as Annexure-11 . The PPE'S such as earplugs, earmuffs are provided to workers.
xv.	The overall noise levels in and around the plant are shall be kept well within the standard by providing noise control measures including acoustic hoods, silencers, enclosure, etc. on all sources of noise generation. The ambient noise levels	Complied. Noise levels are monitored through MoEF & NABL approved laboratory, the obtained results are well within limits as per the standards. The monitoring report copy is enclosed as Annexure-11 . The acoustic enclosures, Hoods & silencers are provided to noise

	shall confirm to the standard prescribed under Environmental (Protection) Act, 1986 Rule, 1989.	generating equipments as per requirement.
xvi.	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Complied, the list of planted trees is attached as Annexure-12 .
xvii.	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Complied. All HAZOP recommendations are being followed as safety measures. Company takes effort to ensure safe operation of the unit. Fire hydrant system of adequate capacity has provided to mitigate fire emergencies.
xviii.	Occupational health surveillance of the workers shall be done on regular basis and record maintained as per Factories Act.	Complied. First aid facility has been provided at site and Personal Protective Equipments (PPE's) are available to workers. Occupational health surveillance programme is done; copy is enclosed as Annexure-13 .
xix.	The company shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling.	Complied. HAZOP recommendations are being followed to ensure safe operation of the unit. Fire NOC has obtained from MIDC.
xx.	The project authorities must strictly comply with rules & regulation with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management & Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections /treatment / storage /disposal of hazardous wastes.	Complied. The industry is being strictly complied with rules and regulations for hazardous waste handling, collection, storage and disposal. The company has taken NOC/ authorization for collection, storage and disposal of hazardous waste from Maharashtra Pollution Control Board vide letter No. Format 1.0/BO/AST/UAN No.0000033117/ O/ CC-1803000471 dated 09.03.2018, copy enclosed as Annexure-5 . Planning to take membership from CHWTSDF.
xxi.	The company shall Undertake following Waste Minimization Measures : <ul style="list-style-type: none"> • Metering of quantities of active ingredients to minimize waste. • Reuse of by-Product from the 	Project proponent has consented to condition. <ul style="list-style-type: none"> • Company has developed effluent free manufacturing process • Company is being taken adequate

	<p>process as raw materials or as raw materials substitutes in other process.</p> <ul style="list-style-type: none"> • Maximizing Recoveries. • Use of automated material transfer system to minimize spillage. 	<p>measures to control spillage.</p> <ul style="list-style-type: none"> • Metering of quantities is being done to minimize waste. • Company is being used automated material transfer system to minimize spillage. 																														
xxii.	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes/ improvement required, if any, in the on- site management plan shall be ensured.	Complied. Periodic mock drills are carried out to identify required changes in on-site emergency plan. The same is updated as per requirement. Mock drill conducted dated 05.01.2019.																														
xxiii.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environment safeguards.	Complied. A separate environmental cell has provided on site for smooth operation of environmental safeguards; copy enclosed as Annexure- 14 .																														
xxiv.	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	Project proponent has consented to condition.																														
xxv.	Separate silos will be provided for collecting and storing bottom ash and fly ash.	Project proponent has consented to condition.																														
xxvi.	Separate fund shall be allocated for implementation of environmental protection measure/EMP along with item-wise breakup. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purpose and year wise expenditure should reported to the MPCB & this department.	<p>Complied. Capital investment for EMP are as follows :</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Cost of environmental protection measures</th> <th>Capital Cost (Rs.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Air Pollution Control</td> <td>7.0</td> </tr> <tr> <td>2</td> <td>Water Pollution Control</td> <td>10.0</td> </tr> <tr> <td>3</td> <td>Noise Pollution Control</td> <td>4.5</td> </tr> <tr> <td>4</td> <td>Environment monitoring and Management</td> <td>5.0</td> </tr> <tr> <td>5</td> <td>Reclamation borrow/ mined area (if applicable)</td> <td>--</td> </tr> <tr> <td>6</td> <td>Occupational health</td> <td>5.0</td> </tr> <tr> <td>7</td> <td>Green Belt</td> <td>5.0</td> </tr> <tr> <td>8</td> <td>Rain water harvesting</td> <td>2.0</td> </tr> <tr> <td>9</td> <td>Others</td> <td>0.5</td> </tr> </tbody> </table>	Sr. No.	Cost of environmental protection measures	Capital Cost (Rs.)	1	Air Pollution Control	7.0	2	Water Pollution Control	10.0	3	Noise Pollution Control	4.5	4	Environment monitoring and Management	5.0	5	Reclamation borrow/ mined area (if applicable)	--	6	Occupational health	5.0	7	Green Belt	5.0	8	Rain water harvesting	2.0	9	Others	0.5
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9	Others	0.5																														

		Total Cost	39.0
xxvii.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Complied; copy enclosed as Annexure-15 .	
xxviii.	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Project proponent has consented to condition.	
xxix.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestion/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Project proponent has consented to condition.	
xxx.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant level namely; SPM, RSPM. SO ₂ , NO _x (ambient level as well as stack emissions) or critical sectorai	Project proponent has consented to condition.	

	parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xxxi.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions results of monitored data (both in hard copies as well as by e-mail) to the respective Regional office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied. Compliance reports with monitoring reports are submitted to respective authorities for period July 2018 to December 2018.
xxxii.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the company alone with the status of compliance, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoFF by e-mail.	Complied. It is submitted dated ...copy enclosed as Annexure-16 .
4.	The Environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the Past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Complied. There is no litigation pending against the project.
5.	The Environmental departmental reserve the right to revoke the clearance if stipulated is not	Project proponent has consented to condition.

	implemented to the satisfaction of the departmental or for that matter, for any other administrative reason.	
6.	Validity of Environmental Clearance: The environmental clearance accorded shall be valid for a period of 7 year as per MoEF & CC Notification dated 29 th April, 2015 to start of production operations.	Complied. Industry has obtained Consent to Operate, vide letter No. Format 1.0/BO/AST/UAN No.0000033117 /O/CC-1803000471 dated 09.03.2018
7.	In Case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition (s) imposed and to incorporate additional environmental protection measure required, if any.	Project proponent has consented to condition.
8.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Waste (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Project proponent has consented to condition.
9.	Any appeal against this environmental clearance shall lie with the National green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1 st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Project proponent has consented to condition.

PART I

ENTREPRENEURS MEMORANDUM ACKNOWLEDGEMENT

(SERVICE THROUGH UDYOG SETU)

Form No.: 20396

1. **M/S. KALPSUTRA CHEMICALS PVT. LTD.** has filed memorandum expressing its intent to set a **MANUFACTURE ENTERPRISE** at the address **PLOT NO. M-12, MIDC, ADDL. AMBERNATH INDL. AREA, TAL. AMBERNATH, DIST. THANE** for the item/items indicated below and the activity is proposed to commence from the **10.09.2015** stated in Form No. **20396** and allocated Entrepreneurs Memorandum Number as below:

2. Details of Item/Items to be Manufactured/Services to be provided.

Sr. No.	Items of Manufacture / Type of service to be rendered.	Annual Capacity in case of manufacture
1.	CHEMICAL- MANUFACTURING OF AROMATIC AND PERFUMERY CHEMICALS i.e. ISOBORNY CYCLO HEXANOL, ISOCAMPHYL CHYCLOHEXANOL, SANDALUM, KALPANTAL, AROMATIC.	9600 TONS.

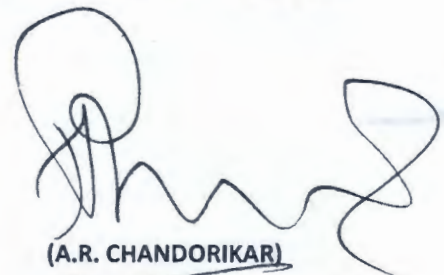
3. Date of Issue **15.01.2015**
4. Nature of Activity (Manufacturing-1,Service-2) **1**
5. Category of Enterprise (Micro-1, Small-2, Medium-3) **3**
6. Entrepreneurs Memorandum Number **27 - 021 -13- 00166 - Part I**

7. **Note : The issue of this acknowledgement does not bestow any legal right. The enterprise is required to seek requisite clearance/ license/permit required under statutory obligation stipulated under the laws of Central Government / State Government / UT Administrations / Court orders.**

- This acknowledgement is valid for a period of two years from the date of issue.
- This acknowledgement is issued subject to MPCB Consent & Locational clearance of Directorate of Industries as per ILP.

Date : 15.01.2015
Place : Thane.




(A.R. CHANDORIKAR)
General Manager,
Dist.Inds.Centre,Thane.

District Industries Centre,
1st Flr, MIDC CFC Bldg, Wagle Indl. Estate, Thane.
Phone/Telefax - 25833565/25822013
Email - didicthane@maharashtra.gov.in

Udyog Setu
C/o. DIC-Thane.
25833565/25822013
udyogsetuth@hathway.com

No.11-41296.

FRESH CERTIFICATE OF INCORPORATION
CONSEQUENT ON CHANGE OF NAME
IN THE OFFICE OF THE REGISTRAR OF COMPANIES, MAHARASHTRA,
MUMBAI.

In the matter of ALLWIN FIBREGLASS & PLASTICS PRIVATE
LIMITED

I hereby approve and signify in Writing under Section 21
of the Companies Act, 1956 (Act of 1956) read with the
Government of India, Department of Company Affairs,
Notification No.G.S.R. 507E dated the 24th June 1985 the
change of name of the company :

from ALLWIN FIBREGLASS & PLASTICS PRIVATE LIMITED
to KALPSUTRA CHEMICALS PRIVATE LIMITED
and I hereby certify that

ALLWIN FIBREGLASS & PLASTICS PRIVATE LIMITED

Which was originally incorporated on TWENTIETH
day of OCTOBER/1986. Under the Companies Act, I of 1956
under the name ALLWIN FIBREGLASS & PLASTICS PRIVATE LIMITE
having duly passed necessary resolution in terms of section
21 / / / of the Companies Act, 1956 the name of the
said company is this day changed to KALPSUTRA CHEMICALS
PRIVATE LIMITED and this certificate is issued
pursuant to Section 23(1) of the said Act.

Given under my hand at MUMBAI this SIXTH
day of AUGUST Two Thousand FOUR.



(M.V.CHAKRANARAYAN)

DEPUTY REGISTRAR OF COMPANIES
MAHARASHTRA MUMBAI.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC- 2015/CR-169/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 28 January, 2016.

To,
Kalpsutra Chemicals Pvt. Ltd,
103-105, Manisha Heights CHS, Bal Rajeshwar Road,
Mulund (W) , Mumbai-400080

Subject: Environment clearance for Plot no- M-12, MIDC, Ambernath by M/s. KalpSutra Chemicals Pvt. Ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 111th meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 91st meeting.

2. It is noted that the proposal is considered by SEAC-I under screening category 5(f) B1 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

1	Name of the Project	M/s Kalpsutra Chemicals Pvt. Ltd
2	Project Proponent	Mr. Niranjan Sachade. Kalpsutra Chemicals Pvt. Ltd. , 103-105, Manisha Heights CHS, Bal Rajeshwar Road, Mulund (W) , Mumbai-400080
3	Consultant	Mr. Prabhakar Sadekar. Sadekar Enviro Engineers Pvt. Ltd.
4	Accreditation of consultant (NABET Accreditation)	NABET Accredited. QCI- NABET SAAC Meeting :- 118/2015, 6 th May.2015.
5	New Project / Expansion in existing project/ Modernization/Diversif ication in existing project	New project
6	If expansion/ Diversification,	N/A

	whether environmental clearance has been obtained for existing project (If yes, enclose a copy with compliance table)	
7	Activity schedule in the EIA Notification	Schedule 5 (f) ,Project Category –B1
8	Area Details	<ul style="list-style-type: none"> • Total Plot Area: 11000 sq. m • Built Up Area : 4900 sq. m. • Green Belt Area: 1820 sq. m • Open Area: 2960 sq. m. • Parking area: 1320 sq.m
9	Name of the Notified Industrial area / MIDC area	Additional Ambernath MIDC (Notified Industrial Area)
10	TOR given by SEAC? (If yeas then specify the meeting)	Yes, the TOR is given by SEAC -1 in the 105th Meeting dated 2nd & 3rd July 2015
11	Estimated capital cost of the Project (including cost for land, building, plant and machinery separately)	Rs. 19.8 Crores
12	Location details of the project :	<input type="checkbox"/> Latitude:- 19 ⁰ 9' 58.67'' N <input type="checkbox"/> Longitude:- 73 ⁰ 11' 26.13'' E <input type="checkbox"/> Location: - Plot No.M12, MIDC, Addl .Ambernath
13	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas / inter-State boundaries	N.A. Project is in notified Additional Ambernath MIDC area,

14	Raw materials (including process chemicals, catalysts, & additives).	List of raw materials to Be used	Physical and chemical nature of raw material	Quantity (tones/ month) full production capacity	Source of material	Means of transportation (source to storage site) with justification
		Camphene	Solid at RT	440	Local/Import	Road/Sea
		Guaiacol	Liquid	210	Local/Import	Road/Sea
		Phenol	Solid at RT	75	Local/Import	Road/Sea
		Hydrogen	Gas	300000 NM3	Local	Road
		Raney Nickel Catalyst	Solid	0.05	Local	By road
		Clay Catalyst	Solid	0.1	Local/Import	Road/Sea
		Citral	Liquid	70	Import	Sea
		Para tert. Butyl phenol	Solid	24	Import	Sea
		Iso Propyl Myristate	Liquid	1	Local/Import	Road/Sea
		PEG 400	Liquid	0.7	Local	By road
		Caustic Soda Flakes	Solid	0.05	Local	By road

15	Production details	Name of products,	Production Existing (MT/Month)	Proposed activity (new) MT/Month	Total Production (T/Month)
		Isobornyl Cyclohexanol	Nil	300	300
		Isocamphyl Cyclohexanol	Nil	100	100
		Sandalum	Nil	5	5
		Kalpantal	Nil	5	5
		Citronellal	Nil	25	20
		Citronellol	Nil	50	50
		Para tert. Butyl Cyclohexanol	Nil	25	25
		Total		510	510
16	By Products	Name of Byproducts	Production Existing (MT/ Month)	Proposed activity (new) MT/ Month	Total Production (T/ Month)
		Methanol	Nil	52	52
		Mixed fractions	Nil	284	284
		Total		336	336
17	Process details /manufacturing details	Attached as Annexure I			
18	Rain Water Harvesting(RWH)	<p>RWH system will be adopted.</p> <ul style="list-style-type: none"> Level of the Ground water table – 4-5 m bgl Hence the proponent is opting for Roof top Rain water harvesting tank and not for artificial recharge of groundwater. Amount of Rain water collected (Approx) : Annual rainfall (mm) X Roof Area (sq.m) X 0.9 (Run off Coefficient) :1800 X 100 X 0.9 = 162000 Ltr/A Size and no of RWH tank(s) and Quantity = 1 X 20 m3 Location of the RWH tank(s) North corner of plant site <p>The rain water harvested will be used for gardening, domestic flushing and cooling tower intake purpose. The water intake will be reduce as the treated water will be totally recycled in the plant premises.</p>			
19	Total Water Requirement	<p>Total water requirement: 10 CMD</p> <p><input type="checkbox"/> Source: Additional Ambernath MIDC.</p> <p>Quantity of water required for Proposed Activity: 10 CMD</p> <p><input type="checkbox"/> Domestic : 6.0 CMD</p> <p><input type="checkbox"/> Industrial Cooling : 2.0 CMD</p> <p><input type="checkbox"/> Garden : 2.0 CMD</p>			

20	Storm water drainage	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Natural water drainage pattern :Yes Proper and separate storm water drains will be provided as per natural slope.				
21	Sewage generation and treatment	<input type="checkbox"/> Amount of sewage generation – 4.8 CMD <input type="checkbox"/> Proposed treatment for the sewage: Compact STP of 6 CMD is proposed to treat 4.8 CMD domestic wastewater.				
22	Effluent characteristic	N.A. as there is no Process effluent as water is not used in the manufacturing process.				
23	ETP details	N/A				
24	Note on ETP technology to be used	N/A				
25	Disposal of the ETP sludge (If applicable)	N/A				
26	Solid waste Management	Sr. no	Source	Existing Qty(PM)	Proposed Qty(PM)	Form (sludge/Dry/slurry etc.)
		1.	Empty Drums (Non Hazardous)	Nil	150 No./M	Dry
		2.	Paper Bags (Non Hazardous)	Nil	1000 No./M	Dry
		.Hazardous Waste Generation: Nil.				
27	Atmospheric Emissions (SPM, SO ₂ , NO _x , CO, etc.)	Sr. No	Pollutant	Source of emission	Total gas Quantity	Concentration in flue gas
		1	SPM	Boiler	Proposed Unit	
		2	SO ₂	Boiler	Proposed Unit	
		3	NO _x	Boiler	Proposed Unit	
28	Stack emission Details: (All the stacks attached to	Plant section & units	Stack no	Height from ground level (M)	Internal diameter (top)(m)	Temp. of exhaust
		Thermopack Heaters	1	30 M	0.8	130 °C

	process units, Boilers, Captive power plant, D.G. Sets, Incinerator both for existing and proposed activity). Please indicate the specific section to which the stack is attached. e.g.: Process section, D.G. Set, Boiler, Power Plant, incinerator etc. Emission rate (kg/hr.) for each pollutant (SPM, SO ₂ , NO _x etc. should be specified	(2 nos.)					
		D.G. Set	1	5 M (Above the roof)	0.300 m	145-155 °C	
29	Emission Standard	Pollutants (SPM,SO ₂ ,etc t	Emission standard limit (as per C.T.O)	Existing limit (mg/Nm ³)			
		SPM	150 mg/Nm ³	<150 mg/Nm ³			
		SO ₂	40 Kg/day	<40 Kg/day			
30	Ambient Air Quality Data	Pollutant	Permissible standard	Proposed concentration (in µg/m ³)	Remarks		
		PM 2.5	60 µg/m ³	< 60 µg/m ³	As per NA AQ M limit		
		PM 10	100 µg/m ³	<100 µg/m ³			
		SO ₂	80 µg/m ³	<80 µg/m ³			
		NO _x	80 µg/m ³	<80 µg/m ³			
31	Details of Fuel to be used:	Sr. no	Fuel	Daily Consumption (TPD/KLD)	Calorific value (k cal / kg)	% ash	% Sulp hur
				Existin g	Proposed		
		1	Coal/	Nil	5 TPD	4487	10 % 0.5%

			Biomass			Kcal/Kg		
		2	Furnace oil	Ni	1.5 TPD	10,500 Kcal/Kg	0.03 %	4 %
		3	Diesel	Ni	150L/Hr	10,800 Kcal/Kg	0.02 %	1.8 %
		<input type="checkbox"/> Source of Coal /Diesel : local vendor <input type="checkbox"/> Mode of transportation of fuel to site: By Road						
32	Energy	Power Supply : (From MSEDCCL) • Existing Power requirement : Not Applicable • Proposed power requirement : 500 KVA DG sets: • Number and capacity DG sets to be used (Existing and proposed) Existing Not Applicable Proposed installation of D.G. Set with acoustic enclosure : 1 No. Capacity : 320 KVA. Fuel used : HSD – 150 – 200 Lit./ Hr Details of the non-conventional renewable energy proposed to be used: 1) Design & construction of building considering maximum use of natural light and ventilation.						
33	Green Belt Development	<input type="checkbox"/> Green belt area (Sq. m.): 1820 Sq m The species of plants to be planted are as follows: <i>Cassia fistula</i> (Bahava), <i>Derris indica</i> (Karanj), <i>Neolarckia cadamba</i> (Kadamba), <i>Bombax ceiba</i> (Sawar), <i>Sterospermum acerifolium</i> (Muchkund), <i>Azadirachta india</i> (Neem), <i>Cordia dicotoma</i> (Bhokar), <i>Mangifera indica</i> (Amba), <i>Schleichera oleosa</i> (Kusum), <i>Holoptelea integrifolia</i> (Waval), <i>Terminalia arjuna</i> (Arjun), <i>Carissa carandas</i> (Karwanda) . <input type="checkbox"/> Trees to be transplanted : Nil						
34	Details of Pollution Control Systems	Sr. no		Proposed to be installed				
		1	Air	Bag Filter for Thermo pack Heaters				
		2	Noise	Ear muffs and ear plugs , Acoustic Enclosure for DG sets.				
		3	Water	STP of 6 CMD for Treating Domestic Wastewater				
35	Environmental Management plan Budgetary Allocation	<input type="checkbox"/> Total cost of the proposed project: 19.8 Cr. <input type="checkbox"/> Capital cost of pollution control (With break up) : 45,00,000/- <input type="checkbox"/> O&M cost of pollution control (With break up) : 6,00,000/-						
		Sr. no	Components			Recurring Cost/A in Rs.	Capital Cost/A in Rs.	
		1	Air Pollution Control			1,00,000/-	7,00,000/-	
		2	Water Pollution Control			2,00,000/-	16,00,000/-	
		3	Noise Pollution Control			50,000/-	4,50,000/-	

								-
		4	Environment monitoring and Management	50,000/-		5,00,000/-		-
		5	Reclamation borrow/mined area (if applicable)	----		--		
		6	Occupational health	1,00,000/-		5,00,000/-		-
		7	Green Belt	25,000/-		5,00,000/-		-
		8	Rain Water Harvesting	25,000/-		2,00,000/-		-
		9	Others (Pl.Specify)	50,000/-		50,000/-		
		10	Total Cost	6,00,000/-		45,00,000/-		
36	EIA Submitted (If yes then submit the salient features)	No						
37	Public hearing report (If public hearing conducted then submit the salient features)	<input type="checkbox"/> Date of the public hearing: Not Applicable <input type="checkbox"/> Name of the newspaper in which the advertisement appeared (Please attach the copy): NA <input type="checkbox"/> Location of the public hearing: NA <input type="checkbox"/> Number of people attended the hearing: NA <input type="checkbox"/> Objection(s) / Suggestion(s) if any: NA						
38	Air pollution, water pollution issues in the project area, If any	None						
39. Storage of chemicals (inflammable /explosive/hazardous/toxic substances)								
Sr. no	Name	Number of storage's	Capacity	Physical and Chemical composition	Consumption (in NM3)	Maximum Quantity of storage at any point of time	Source of supply	Means of transportation
1	Hydrogen	2 trolleys	4000 NM3	Gas	10000	4000	Local Purchase	By Road

3. The proposal has been considered by SEIAA in its 91st meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact

Assessment Notification, 2006 subject to implementation of the following terms and conditions :

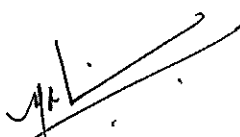
General Conditions for Pre- construction phase:-

- (i) This environmental clearance is issued subject to achieving Zero Liquid Discharge (ZLD) by incorporating a Multiple Effect Evaporator.
- (ii) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (iii) This environmental clearance is issued subject to installation and implement online air monitoring facility equipment.
- (iv) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (v) PP to ensure that transformer should not touch the drum storage building.
- (vi) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (vii) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (viii) Proper Housekeeping programmers shall be implemented.
- (ix) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
- (x) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (xi) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xii) Arrangement shall be made that effluent and storm water does not get mixed.
- (xiii) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xiv) Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- (xv) The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xvi) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xvii) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (xviii) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xix) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xx) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste

(Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.

- (xxi) The company shall undertake following Waste Minimization Measures :
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
- (xxii) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxiii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxiv) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxv) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxvi) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxvii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>
- (xxviii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxix) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxx) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xxxi) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- (xxxii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF & CC Notification dated 29th April, 2015 to start of production operations.
7. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Malini Shankar)
Member Secretary, SEIAA.

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune – 411014. .
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Ambarnath.

7. Collector, Ambarnath

8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

9. Select file (TC-3)

(EC uploaded on 28/01/2016)

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701

Fax: 24024068 / 24023516

Website: <http://mpcb.gov.in>

E-mail: ast@mpcb.gov.in



Kalpataru Point, 2nd - 4th Fl.

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

RED/LSI

Consent order No:-Format 1.0/AST/RO-KN/EIC No. KN-6733-15/E/CC- 05 14 2 8

Date-12/05/2015

To,
M/s. Kalpsutra Chemical Pvt. Ltd.,
Plot No. M-12, MIDC Addl. Ambernath,
Dist. Thane.

Subject: Consent to Establish.

Ref: 1. Industry's Application for Consent to Establish dtd. 27.03.2015

Your application: CE1503000886.

Dated: 27.03.2015

For Consent to Establish under Section 25 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 5 of the Hazardous Wastes (M, H & T M) Rules 2008 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 is granted for a period up to commissioning of the unit or 5 years whichever is earlier.
2. The proposed capital investment of the industry is Rs. 19.80 Crs. (As per undertaking submitted by industry)
3. The Consent is valid for the manufacturing of -

Sr. No.	Product Name	Maximum Quantity
1.	Isoborny Cyclohexanol	300 MT/M
2.	Isocamphyl Cyclohexanol	100 MT/M
3.	Sandalum	5 MT/M
4.	Kalpantal	5 MT/M
5.	Aromatic & Perfumery	390 MT/M

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	As per Schedule -I	NA
2.	Domestic effluent	6.8	As per Schedule -I	Septic tank with Soak pit

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

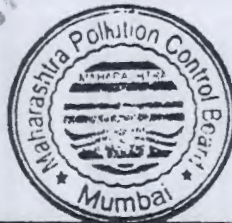


Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler	1	As per Schedule -II
2.	DG Set 320 KVA	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes: NIL
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and Disposal of hazardous waste: NIL
8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
11. This consent is issued as per the delegation of powers to HOD's vide Board Office Order dtd. 01/03/2013.
12. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto.

As per Para 2 of EIA notification dated- 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated- 19/08/2010, fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s) & acquisition of land not be treated as an effective steps.

For and on behalf of the
Maharashtra Pollution Control Board



P. K. Mirashe
12/1/15
(P. K. Mirashe)
Assistant Secretary (Tech.)

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	50100/-	619448	22.01.2015	ING Vysya Bank

Copy to:

1. Regional Officer -Kalyan and Sub-Regional Officer, Kalyan-II, MPCB, - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updating purposes.

Schedule-I
Terms & conditions for compliance of Water Pollution Control:

- 1) Industrial Effluent is NIL
- 2) A) As per your consent application, you have provided soak pit as a treatment for sewage.
- B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1)	Suspended Solids.	Not to exceed	100	mg/l.
(2)	BOD 3 days 27°C.	Not to exceed	100	mg/l.

- C) The treated sewage shall be used on land for gardening/plantation only in the factory premises.
- 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 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 and 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) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I 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	2.0
2.	Domestic purpose	7.5
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	NIL
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	NIL
2	For gardening	0.5

- 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.



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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 also proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler	Dust Collector	30	Coal	4 MT/Day	0.5	40
2	DG Set (320 KVA)	stack	5.0*	FO	1 KL/Day

(* above the roof level of the building)

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.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
--------------------	---------------	--------------------------

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. 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).

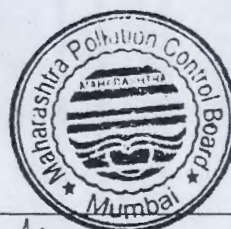


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**Schedule-III
Details of Bank Guarantees**

Bank Guarantee History: Fresh and Existing BG's

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	5 Lakh	15 days	Towards not to take any effective steps for implementation of the project before obtaining EC as per EIA Notification, 2006 and amendments thereto.	up to commissioning of the unit or 5 years	up to commissioning of the unit or 5 years

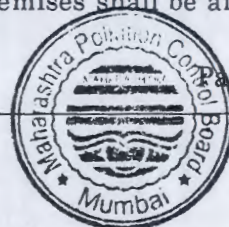


M/s

Schedule-IV

General Conditions:

- 1) 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.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, 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.
- 9) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Activity.
- 12) Industry 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).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.



- 16) 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.
- 17) Conditions for D.G. Set
- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - 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.
 - Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - 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
 - D.G. Set shall be operated only in case of power failure.
 - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) 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).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

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MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8, Opp. Cine Planet Cinema, Near
Sion Circle, Sion (E),
Mumbai - 400 022

Date: 09/03/2018

Red/SSI

Consent No: Format 1.0/BO/AST/UAN No.0000033117/O/CC-1803000471

To,
M/s. KALPSUTRA CHEMICALS PRIVATE LIMITED
Plot No.M-12, Addl. Abernath Industrial Area,
Tal- Ulhasnagar, Dist Thane

Sub : First Consent to operate RED/SSI category.

Ref : 1. Consent to establish granted vide No. Format 1.0/AST/RO-KN/EIC No.
KN-6733-15/E/CC-05428 dated 12/5/2015
2. Environmental Clearance granted vide No. SEAC-2015/CR-169/TC-2
dated 28/1/2016
3. Policy decision in CAC meeting dated 09/2/2018

Your application: - 0000033117
Dated: 08/9/2017

For 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 of the Hazardous & Other Wastes (M & T M) 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 is granted for a period up to 28/02/2023
2. The actual capital investment of the industry is Rs. 19.80 Cr. as per C.A. Certificate submitted by industry
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
1.	Isobornyl Cyclohexanol	300	MT/M
2	Isocamphyl Cyclohexanol	100	MT/M
3	Sandalum	05	MT/M
4	Kalpantal	05	MT/M
5	Citronellal	25	MT/M
6	Citronellol	50	MT/M
7	Para tert. Butyl Cyclohexanol	25	MT/M
	Total	510	MT/M

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	Nil	As per Schedule -I	NA
2.	Domestic effluent	4.8	As per Schedule -I	Recycled for flushing purpose so as to achieve zero liquid discharge

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Thermopack Heaters	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste Category	Quantity	UoM	Treatment	Disposal
01	Paper Bags	1000	Nos/M	NA	Sale

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. no.	Type Of Waste Category	Category	Quantity	UoM	Treatment	Disposal
1.	Discarded containers /barrels/Liners	33.1	150	Nos/M	---	Authorized Reconditioner

a. The applicant shall properly collect, transport & regularly dispose off the hazardous waste to CHWTSDF, in compliance of the Hazardous & other Wastes (Management & Transboundary Movement) Rules, 2016 and keep proper manifest thereof.

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. The applicant shall not carry out any excess production or produce new products without consent of the Board and without an Environment Clearance wherever it requires.
11. Industry shall comply all the conditions stipulated in the Environmental Clearance granted vide No. SEAC-2015/CR-169/TC-2 dated 28/1/2016
12. This consent is granted considering modified direction of CPCB dated 31/3/2016, Hon'ble NGT (WZ), Pune order dated 01/5/2017 in the application no. 3/2017.
13. This consent is issued without prejudice to the order passed/being passed by the Hon'ble High Court and Hon'ble National Green Tribunal.
14. This consent is issued as per the policy decision of CAC meeting dated 09/02/2018 and delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013.

For and on behalf of the
Maharashtra Pollution Control Board

(P. K. Mirashe)

Assistance Secretary (Technical)

Received Consent fee of -

Sr. No.	Amount (Rs.)	DR. No.	Date	Drawn On
1	250000/-	7600406	11/9/2017	RTGS- Kotak Mahindra Bank Ltd.

Copy to:

1. Regional Officer -MPCB Navi Mumbai and Sub-Regional Officer-MPCB Navi Mumbai-I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.

Schedule-I
Terms & conditions for compliance of Water Pollution Control:

1) A) Trade effluent generation & Treatment: Nil

B) Trade effluent Disposal: NA

2) A) As per your consent application, you have provided the sewage treatment system with the design capacity of 6.0 CMD.

B) The treated domestic effluent shall be recycled for toilet flushing activity so as to achieve Zero Liquid Discharge. There shall not be any discharge on land for gardening or outside the factory premises.

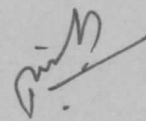
3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and 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) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I 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	2.0
2.	Domestic purpose	6.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.0

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:

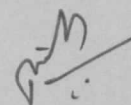
1. As per your application, you have installed the Air pollution control (APC) system and erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO ₂ Kg/Day
1	Thermopack Heaters	Fabric Bag filter	31.0	Coal/Biomass	05 TPD	40
				Furnace Oil	1.5 TPD	

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. (Concern section shall mention specific control equipments)
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
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4. 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.
5. 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 (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	Rs. 5.0 Lakh	Existing	Towards compliance of consent conditions and O&M of pollution control system	31/10/2022	31/01/2023
2	C to O	Rs. 2.0 Lakh	15 days	Towards installation of Online monitoring system within 03 month	31/01/2018	30/04/2018

Note: Existing Bank Guarantee submitted as per consent to establish shall be continued towards compliance of consent conditions and O&M of pollution control system



Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

- 1) 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.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(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.
- 9) The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 12) Industry 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).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) 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.
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- 16) 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.
- 17) The applicant shall maintain good housekeeping.
- 18) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 19) 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.
- 20) 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.
- 21) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 22) 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 be downloaded from MPCB official site).
- 23) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 24) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

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Maharashtra Pollution Control Board

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516
Email : ast@mpcb.gov.in
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion-
Matunga Scheme Road No. 8, Opp. Cine
Planet Cinema, Near Sion Circle, Sion (E),
Mumbai - 400 022

Red/MSI

Date: 07/09/2018

Consent No: Format 1.0/BO/AST/UAN No.0000033117/Amendment/CC- 3386

CORRIGUNDUM

Subject: Amendment in Consent granted to

M/s. KALPSUTRA CHEMICALS PRIVATE LIMITED
Plot No.M-12, Addl. Ambarnath Industrial Area,
Tal- Ulhasnagar, Dist -Thane

Reference: Consent granted vide no. Format 1.0/BO/AST/UAN No. 0000033117/O
/CC-1803000471 dated 09/3/2018 Valid upto 28/2/2023

The 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 of the Hazardous & Other Wastes (M & T.M) Rules 2016 to M/s. KALPSUTRA CHEMICALS PRIVATE LIMITED, Plot No.M-12, Addl. Abernath Industrial Area, Tal- Ulhasnagar, Dist Thane is hereby amended as below:

Schedule-I

- 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)	
		As per existing consent	Read As
1.	Industrial Cooling, spraying in mine pits or boiler feed	2.0	2.0
2.	Domestic purpose	6.0	6.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.0	0.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.0	0.0
5.	Gardening	0.0	2.0

All other terms and conditions in consent granted on 09/3/2018 vide above ref. (1) remains the same.



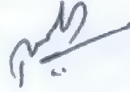
For and on behalf of the
Maharashtra Pollution Control Board

(P. K. Mirashe)
(P. K. Mirashe)
Assistance Secretary (Technical)

To,
M/s. KALPSUTRA CHEMICALS PRIVATE LIMITED
Plot No.M-12, Addl. Abernath Industrial Area,
Tal- Ulhasnagar, Dist Thane

CC to:

1. Regional Officer –MPCB Kalyan and Sub-Regional Officer-MPCB Kalyan-2
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.



Maharashtra Pollution Control Board

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)



No. DE/AAIA/M-12/ ^{D-19302} /of 15,
Office of the Deputy Engineer,
MIDC, Addl. Ambernath Sub Division,
Ambernath.
Date :- 23-10-2015.

To

M/s. Kaipasutra Chemicals Pvt. Ltd.
Plot No M-12,
MIDC Industrial Area,
Addl. Ambernath.

Sub :- Addl. Ambernath Industrial Area....
Approval of 15 mm dia. Water Supply connection for
Plot No. M-12, at MIDC Addl. Ambernath Indl. Area.

Ref - 1) Your letter No Nil dt. 26/06/2015.
2) Possession receipt letter dt. 08/07/2014.
3) MPD consent vide No. 05428/11 dt 12/05/2015.
4) Allotment order dt 22/01/2014.
5) Lease agreement 02/01/2015.
6) This office letter No. C01923 of 2015 dt. 06/07/2015.

Dear Sir,

You have paid necessary charges towards new connection and entered in to agreement with MIDC, accordingly 15 mm dia. water supply connection is hereby granted for the factory at Plot M-12, at Addl. Ambernath Indl. Area, subject to following conditions.

- 1) The water supply connection will be released by this office, however prior to that you have to keep ready the further water supply connection line, duly fixed with valve, strainer, water meter etc as shown on the enclosed sketch of typical layout of w/s connection. The tested water meter shall be fixed on straight pipe line and on either side of meter there shall be no any special within 3 mt. distance. Similarly within plot premises this connection pipeline shall be laid above ground level and it shall be always visible. For safety and security of meter, chamber shall be provided with lock & key arrangement and key shall always be available at Gate/Security of plot.
- 2) Always one stand by meter shall be kept ready with test certificate from MIDC lab, so that whenever the online meter goes out of order, immediately the same can be replaced with such a tested stand by meter.
- 3) The cost of all water connection material is to be borne by you.
- 4) MIDC assures round the clock water supply to this Industrial estate, however in case of shut down or break down MIDC will not be in a position to supply water, therefore to deal with situation you shall provide adequate storage of water i.e. minimum equivalent to your 24 Hrs. requirement.
- 5) The present water rate is Rs. 22.50/- per Cum which is variable time to time as per MIDC policy and the same will be binding on you. The 1.5 times water rate i.e. $1.5 \times 22.50 = \text{Rs. } 33.75/\text{m}^3$ water rate shall be applicable till obtaining BCC from MIDC. In addition to basic water rate, drainage cess, Environment charges, Service charges, Fire charges etc are also applicable as per the MIDC policy.

- 6] For your's **15 mm dia.** size of water connection minimum chargeable quantity will be **15 m³** per month.
- 7] If your water consumption increases to the requirement mentioned under MPCB consent or to the rate of 25 cum meter per Hect. with respect to your plot area. then accordingly penal charges are applicable as per MIDC decided policy, or accordingly Capital Contribution will be recovered by MIDC from you.
- 8] This approved water supply connection will be governed under MIDC's Rules & Regulation 1973 and with respect to the water supply agreement executed by you with MIDC.
- 9] This office is granting water connection for construction purpose and water rate applicable will be 1.5 times of normal rate of water charges till obtaining B.C.C.
- 10] The details of payment made by you vide MIDC's receipt No. 696601 dt 13/07/2015. are as below.

Sr. No.	Description	Plot boundary	Amount
a)	Security Deposit(5m ³ /dayx90 days Rs.22.50/m ³)	Rs.	10,125/-
b)	Connection Charges	Rs	500/-
c)	Agreement fees	Rs.	75/-
d)	Service Charges	Rs.	53,635/-
e)	Fire Charges	Rs	45,880/-
	Total		1,10,205/-
(Rs. One Lakh Ten Thousand Two Hundred Five only)			

In consent to above conditions you may approach to this office for obtaining this approved new water supply connection.

D.A. :- Copy of Water Supply Agreement.

Thanking you.

Yours faithfully

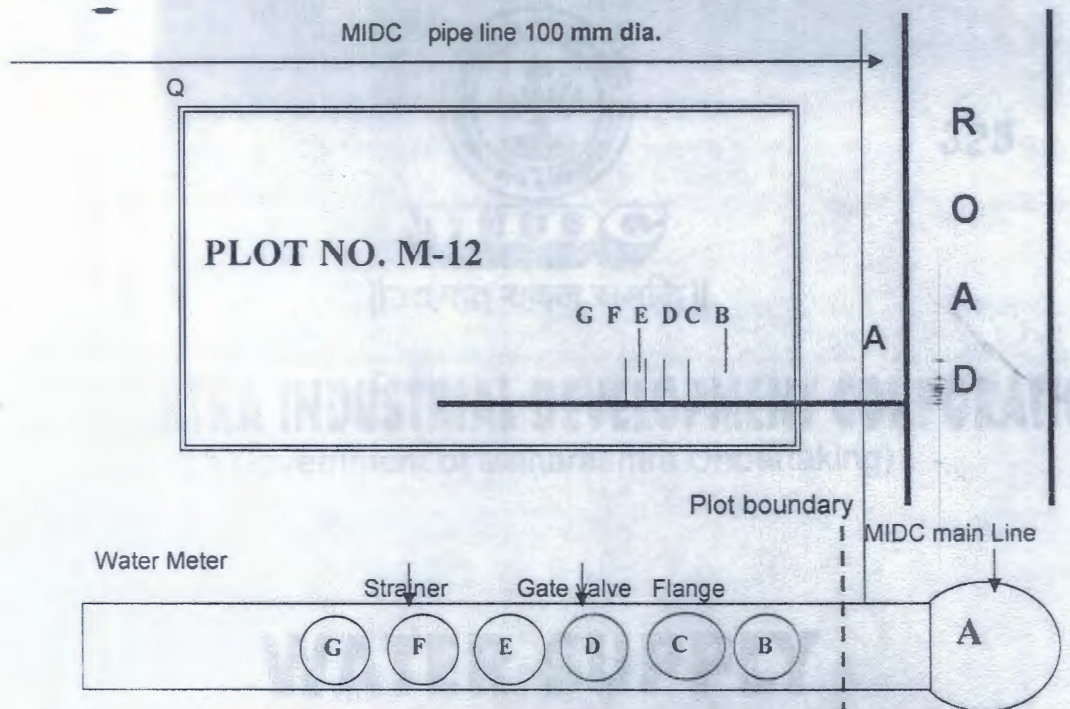
(H.U.Patange)

Deputy Engineer
MIDC, Addl A, nath Sub Division,
Ambernath.

- Copy submitted to the Executive Engineer, MIDC Civil Division, Ambernath for favour of information please.
- Copy of Guard File.

DIAGRAM FOR WATER CONNECTION ON MIDC PIPELINE

SKETCH: - Showing the Arrangement for provide water meter as under.



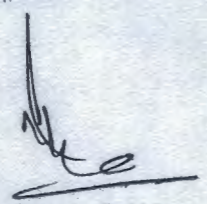
1. Tapping point with ferrule with B.B. masonry of Tee, Sluice Valve etc. with road.
2. Stop cock.
3. Strainer.
4. Distance between the strainer to water meter and non-return valve shall be minimum at 24 times of dia of connection pipeline.
5. Proper size of water meter.
6. Non-return valve.
7. Stop cock.
8. Pipeline.

B.B: Masonry chamber with frame cover and locking arrangement shall be provided to the ferrule at connection point and for the meter.

Sr. No.	Distance of W/S/ Connection and Water Meter	Length of pipe on both side i.e. dia of meter
1.	15 mm	0.30 m. say 0.50 m.
2.	20 mm	0.45 m. say 0.50 m.
3.	25 mm	0.60 m. say 0.60 m.
4.	40 mm	0.96 m. say 1.00 m.
5.	50 mm	1.20 m. say 1.20 m.
6.	80 mm	2.44 m. say 1.50 m.
7.	100 mm	2.90 m. say 2.50 m.
8.	150 mm	3.60 m. say 4.00 m.

List of minimum materials required at site for water supply connection.

- 1) Heavy duty ferrule valve.
- 2) Water meter, Strainer, Non return valve etc.
- 3) Stop cock.
- 4) C.I. Pipe and GI fittings.
- 5) Tested stand by meter.


 Deputy Engineer
 MIDC, Addl Ambernath sub- Division
 Addl. Ambernath

Office of the Superintending Engineer

O&M Circle -II, Kalyan, "Tejashree" 3rd floor, Jahangir Maidan Karnik Road, Kalyan (West) 421301
Tel 2327794 (P), 2327743 (O), Ext.301, Fax: 2302774, E-mail: -sekalyan2@mahadiscom.in

Ref: SE/KC-II/Tech/

No. 4 2 1 2

Date: - 28 OCT 2015

To,

M/s. Kalpsutra Chemicals Pvt. Ltd.
Plot No. M - 12, Additional MIDC,
Anandnagar, Ambernath (E)
Dist-Thane

Sub: - Application for Fresh HT power supply at 22 kV level to your unit at above address

Ref:- Your application received to this office on Dt. 27/10/2015. (Application No. 7782578)

Dear Sir,

This is to acknowledge the receipt of your application for fresh H.T. load as below:

	Connected Load	Contract Demand	Purpose
Fresh Load	600 KW	430 KVA	Mfg. of Chemical
Total	600 KW	430 KVA	

For further processing of your case for load sanction, you are requested to submit the following valid documents & various clearances, as applicable in your case (three set to be submitted).

1. Application Form/ A-1 form not submitted / filled completely.
2. List of existing & proposed machinery with certification from director/ partner & Electrical supervisor.
3. Proposed point of supply drawing marked on approved plan (same should be at the entrance of the Gate) to the scale showing existing line & switchyard details with sign of directors.
4. Copy of Registration certificate from Register of companies / SSI/DGTD or Textile Commissioner /SIA registration/Industrial license from Industries Department, Govt. of India, as the case may be.
5. Maximum Demand Calculation sheet (taking average P.F. as 0.9).
6. Partnership Deed/Article of Association and Memorandum/Documentary evidence for registration as Proprietorship concern.
7. Plot possession certificate and lease/ sale deed of plot & No objection certificate from MIDC (if factory us in MIDC area) or local authorities in case out of MIDC area. (GP/ Mun. Corp.)
8. M.D. recorded for past twelve months (in case of additional load)
9. M.P.C.B. consent for Air & Water.
10. Environment Clearance (for non-SSI units).
11. 7/12 abstract from Revenue Authority (outside the MIDC area).
12. N.A. permission for setting up the factory/industry (if the factory outside the MIDC) approved plan from revenue department/MIDC authorities.
13. A resolution passed by the Board of Directors for signing the documents (in case of Pvt./Ltd. firm) for singing the documents of MSEDCL Ltd./ Affidavit (in case of Partnership firm) on Rs. 100/- bond paper duly notarize.
14. Copy of load sanction and load released letter (in case of additional load).
15. List of present Directors/Partners along with DIN Nos. Pan Card copies, Ration Card Xerox, Photographs , Phone Nos. & Addresses of all directors.

16. Company's copy of PAN, PF, ESIC, VAT Registration along with names & addresses of all Bankers with A/c Nos.
17. F.D.A. approval/approved plan (in case if factories manufacturing food/ drugs/ Pharmaceuticals /Cosmetic/ Rice Mill/Dal Mill/breweries etc.
18. License from Central Govt. (in case if cold storage).
19. No. of shifts run and monthly average consumption for next three years.
20. Copy of Annual Report & Income Tax Return for last year.
21. Copy of last month bill & payment receipt. (For additional load).
22. परिशिष्ट-२ with valid Electrical Contractor Licensee copy.

You are requested to pay Rs. 1,700/- (Rs. One thousand seven hundred only) towards HT application processing charges for further processing of application & submit the copy of receipt to technical section of this office.

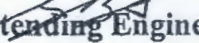
Kindly note that if & when sanctioned, the load can be released subject to (a) completion of all the required formalities & (b) availability of adequate capacity at respective sub- station and of feeder/ equipments etc. & other technical formalities at the time of actual release of supply. Please note that all the required N.O.C/ clearances etc. should remains valid & in force at the time of release of supply if sanction & availed. In case you are unable to produce valid N.O.C.s in time, you are required to submit an affidavit in lieu thereof in the standard format as prescribed by MSEDCL on Non-judicial Stamp paper of Rs. 100/- duly witnessed and notarized. Please ignore items in above list, if submitted already.

Further you are requested to contact the Executive Engineer, Ulhasnagar-II Division within 3 days in the matter for inspection of premises and fixing of point of supply. This may please be treated as notice for inspection of premises. You, along with your electrical contractor, may remain present at the time of inspection.

This is without prejudice to the relevant rules, regulations & code of conditions & other statutory provisions. Please note that load sanction cannot be processed till you comply the short falls and other points mentioned above.

Thanking you.

Your's faithfully


Superintending Engineer
Kalyan Circle - II, Kalyan

Copy to :

1. The Executive Engineer, MSEDCL, Ulhasnagar-II Division.

Along with a set of application for his record. He is requested to submit (a) Tech. Feasibility report as per the guidelines issued vide T.O.L. SE/KC-II/Tech/3581 Dt. 05/08/2011 (b) V.R. calculations (c) Estimate for giving power supply. (d) Whether there is any connection at the premises & any dues outstanding from them/ from any connection at the premises. Submit the no due certificate for the arrears. (e) Substation details such as Transformer, CT ratio available / connected and their working status. (f) The point of supply location should be fixed along with the Ex. Engineer, Testing Division-II, Kalyan. Contact Persons :- Mr. Niranjana R. Sachade, Director (No : 21640385)

The report should reach this office within three days.

2. The Executive Engineer, MSEDCL, Testing Division-II, Kalyan.
The point of supply location should be fixed along with the Ex. Engineer O & M Divn.
3. The Addl. Executive Engineer, MSEDCL, Ambarnath (E) S/Dn.
Along with a set of application for his record. He is requested to expedite above report.



Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No.	SEETL/AR/11/18/078-079-080	Date	14/11/2018		
Name Of Client	M/s. Kalpsutra Chemicals Pvt Ltd.				
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date Of sampling	10/11/2018	Temperature(°C)*	24.6	Humidity (%)*	46
Order / Reference	As per discussion dated 02/08/2018				

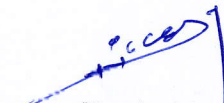
AMBIENT AIR STATION

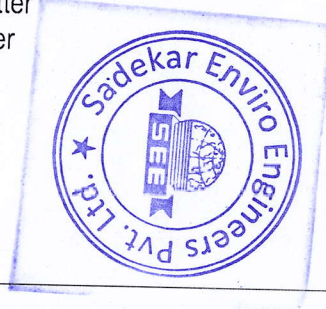
Sampling Location	Near Main Gate	Near Backside Office Area	Near Utility & Production Area
Lateral Distance	5.0 Meter From Gate	5.0 Meter From Office Area	5.0 Meter From Utility & Prod.
Receptor Distance	1.5 Meters From Ground Level	1.5 Meters From Ground Level	1.5 Meters From Ground Level
Ambient Temperature	28°C	Humidity	61 %
Wind Speed (km/hr)*	12	Wind Direction (deg)*	NE, 40°
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

POLLUTIONAL PARAMETERS

Parameters	Result			Units	NAAQS Limits	Method
	Near Main Gate	Near Backside Office Area	Near Utility & Production Area			
PM ₁₀	67	63	70	µg/m ³	100.00	IS 5182 (Part 23): 2006 Reaff. 2012
PM _{2.5}	35	29	39	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO ₂	24	21	27	µg/m ³	80.00	IS 5182 (Part 2): 2001 Reaff. 2012
NO _x	33	30	38	µg/m ³	80.00	IS 5182 (Part 6): 2006, Reaff. 2012

- NOTE:** 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) NAAQS –National Ambient Air Quality Standards.
4) PM_{2.5} – 2.5 Micron Particulate Matter
5) PM₁₀ – 10 Micron Particulate Matter


Checked by
Nilesch Naik




Authorized Signatory
Priti Thombare

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ANALYSIS REPORT FOR WATER SAMPLE				
Report No.	SEETL/11/18/091		Report Date	14/11/2018
Name of Client	M/s. Kalpsutra Chemicals Pvt Ltd.			
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.			
Order / Reference	As per discussion dated 09/11/2018			
Sampling Point	Kakol Village	Environmental Condition of Lab	Temp °C	Humidity %
			28.1	53
Sample Details	Ground Water (Borewell)		Date of Collection	10/11/2018
Sample Collected By	SEETL Representative		Sample Received On	10/11/2018
Analysis Started On	10/11/2018		Analysis Completed On	14/11/2018
Sample Container	PVC Can		Sample Quantity	5000 ml

Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	IS desirable Limit (As per IS 10500)2012
1	pH	7.06	-	APHA-4500-H+-B	6.5 - 8.5
2.	Total Dissolved Solids	97.0	mg/lit	APHA-2540-C	500.0
3.	Sulphate as SO ₄	34.0	mg/lit	APHA - 4500 - SO ₄ - E	200.0
4.	Total Hardness as CaCO ₃	118.0	mg/lit	APHA 2340 - C	200.0
5.	Chloride as Cl	54.0	mg/lit	APHA - 4500 - Cl - B	250.0
6.	Nitrate as NO ₃	26.0	mg/lit	APHA 4500 - NO ₃ - B	45.00
7.	Fluoride as F	0.2	mg/lit	APHA 4500 - F - D	1.00
8.	Bicarbonates	42.0	mg/lit	APHA - 2320-B	200.0
9.	Calcium as Ca	30.0	mg/lit	APHA - 3500 - Ca - B	75.00
10.	Magnesium as Mg	12.0	mg/lit	APHA - 3500 - Mg - B	30.00
11.	Phosphours as PO ₄	0.1	mg/lit	APHA - 4500 - P - C	NS
12.	Iron as Fe	0.10	mg/lit	APHA - 3125 - B	0.30

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Nilesh Naik




 Authorized Signatory
 Priti Thombare



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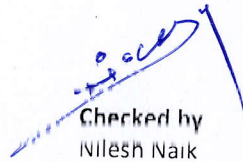
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Report No.	SEETL/11/18/091	Report Date	15/11/2018		
Order / Reference	As per discussion dated 09/11/2018	Sample Received On	10/11/2018		
Analysis Started On	10/11/2018	Analysis Completed On	15/11/2018		
Name of Client	M/s. Kalpsutra Chemicals Pvt Ltd.				
Sr. No.	Parameter	Result	Unit	Method	Limit
Chemical Parameters					
13.	Lead as Pb	<0.01	mg/lit	APHA – 3125 – B	0.01
14.	Total Chromium as Cr	<0.01	mg/lit	APHA – 3125 – B	0.05
15.	Mercury as Hg	<0.001	mg/lit	APHA 3500 – Hg	0.001
16.	Potassium as K	<0.05	mg/lit	EPA 3050-1996	NS
17.	Nickel as Ni	<0.01	mg/lit	APHA – 3125 – B	0.02
18.	Sodium as Na	<0.05	mg/lit	EPA 3050-1996	NS
19.	Zinc as Zn	<0.01	mg/lit	APHA – 3125 – B	5.00
20.	Total Arsenic as As	<0.01	mg/lit	APHA – 3125 – B	0.01
21.	Cadmium as Cd	<0.0025	mg/lit	APHA – 3500 – Cd	0.003


Note : Test results related only to the sample tested.

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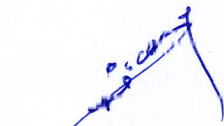
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ANALYSIS REPORT FOR WATER SAMPLE				
Report No.	SEETL/11/18/091	Report Date	14/11/2018	
Name of Client	M/s. Kalpsutra Chemicals Pvt Ltd.			
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.			
Order / Reference	As per discussion dated 09/11/2018			
Sampling Point	Kakol Village	Environmental Condition of Lab	Temp °C	Humidity %
			28.1	53
Sample Details	Ground Water (Borewell)		Date of Collection	10/11/2018
Sample Collected By	SEETL Representative		Sample Received On	10/11/2018
Analysis Started On	10/11/2018		Analysis Completed On	14/11/2018
Sample Container	PVC Can		Sample Quantity	5000 ml

Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	IS desirable Limit (As per IS 10500)2012
1	pH	7.06	-	APHA-4500-H+-B	6.5 - 8.5
2.	Total Dissolved Solids	97.0	mg/lit	APHA-2540-C	500.0
3.	Sulphate as SO ₄	34.0	mg/lit	APHA - 4500 - SO ₄ - E	200.0
4.	Total Hardness as CaCO ₃	118.0	mg/lit	APHA 2340 - C	200.0
5.	Chloride as Cl	54.0	mg/lit	APHA - 4500 - Cl - B	250.0
6.	Nitrate as NO ₃	26.0	mg/lit	APHA 4500 - NO ₃ - B	45.00
7.	Fluoride as F	0.2	mg/lit	APHA 4500 - F - D	1.00
8.	Bicarbonates	42.0	mg/lit	APHA - 2320-B	200.0
9.	Calcium as Ca	30.0	mg/lit	APHA - 3500 - Ca - B	75.00
10.	Magnesium as Mg	12.0	mg/lit	APHA - 3500 - Mg - B	30.00
11.	Phosphours as PO ₄	0.1	mg/lit	APHA - 4500 - P - C	NS
12.	Iron as Fe	0.10	mg/lit	APHA - 3125 - B	0.30


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Report No.	SEETL/11/18/091	Report Date	15/11/2018		
Order / Reference	As per discussion dated 09/11/2018	Sample Received On	10/11/2018		
Analysis Started On	10/11/2018	Analysis Completed On	15/11/2018		
Name of Client	M/s. Kalpsutra Chemicals Pvt Ltd.				
Sr. No.	Parameter	Result	Unit	Method	Limit
Chemical Parameters					
13.	Lead as Pb	<0.01	mg/lit	APHA - 3125 - B	0.01
14.	Total Chromium as Cr	<0.01	mg/lit	APHA - 3125 - B	0.05
15.	Mercury as Hg	<0.001	mg/lit	APHA 3500 - Hg	0.001
16.	Potassium as K	<0.05	mg/lit	EPA 3050-1996	NS
17.	Nickel as Ni	<0.01	mg/lit	APHA - 3125 - B	0.02
18.	Sodium as Na	<0.05	mg/lit	EPA 3050-1996	NS
19.	Zinc as Zn	<0.01	mg/lit	APHA - 3125 - B	5.00
20.	Total Arsenic as As	<0.01	mg/lit	APHA - 3125 - B	0.01
21.	Cadmium as Cd	<0.0025	mg/lit	APHA - 3500 - Cd	0.003

Note : Test results related only to the sample tested.

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ANALYSIS REPORT FOR NOISE LEVEL MONITORING

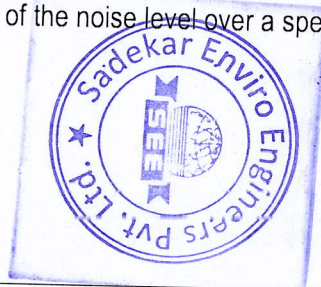
Report No.	SEETL/N/11/18/084-093	Date	14/11/2018
Name Of Client	M/s. Kalpsutra Chemicals Pvt Ltd.		
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.		
Sample Collected By	SEETL Representative		
Date Of sampling	10/11/2018		
Time Of sampling	Day Time		
Order / Reference	As per discussion dated 02/08/2018		

DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter of)	Report No.	Noise Levels in dB(A) Leq'
Ambient Noise			
1.	Near Main Gate	SEETL/N/11/18/084	62.1
2.	Near Backside Office Area	SEETL/N/11/18/085	63.9
3.	In Between Boiler & Plant Area	SEETL/N/11/18/086	69.5
4.	Near STP	SEETL/N/11/18/087	70.4
5.	Near Cooling Tower	SEETL/N/11/18/088	74.5
6.	Near DG Set (Acoustic Closed- Running Condition)	SEETL/N/11/18/089	74.4
Workplace Noise			
7.	At QC Lab	SEETL/N/11/18/090	52.3
8.	At Boiler Area	SEETL/N/11/18/091	82.2
9.	Near Production Area Ground Floor	SEETL/N/11/18/092	74.6
10.	Near Production Area First Floor	SEETL/N/11/18/093	74.9

- NOTE:** (1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)
(2) Limit During Night time < 70. (Night time shall mean from 10.00 pm to 6.00 am.)
(3) *As per Factory Act Rules ,1963 scheduled XXIV Noise Limit 90dB(A)
(4) *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.
(5) "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.
(6) Leq: It is the energy mean of the noise level over a specified period.

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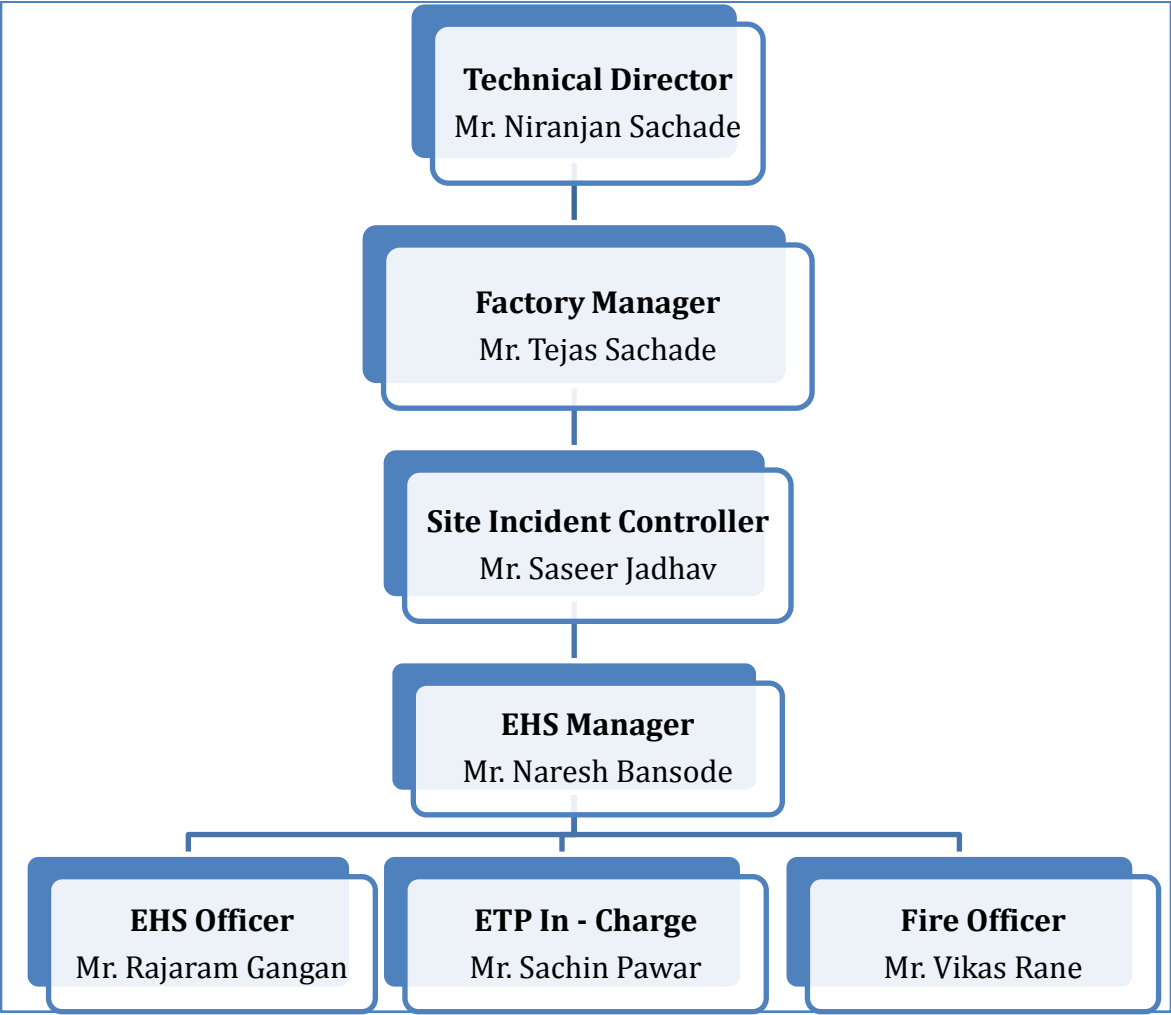
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M/s Kalpasutra Chemicals Pvt. Ltd.
Plot No. M-12, MIDC, Additional Ambernath,
District Thane, Maharashtra.

List of Tree Plantation:

Sr. No.	Description	Qty. (Nos.)
1.	Mimusops elengii	41
2.	Bahunea Purpurea	16
3.	Asoka pendula	21
4.	Delonix Regea	12
5.	Peltoforum	12
6.	Tabubuea	18

Organizational structure for environment management





Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000016557

Submitted Date

25-06-2019

Company Information

Company Name

M/s. Kalpsutra Chemicals Pvt. Ltd.

Application UAN number

MPCB-CONSENT-0000033117

Address

Plot No. M-12, Additional Ambarnath Industrial Area, Taluka Ulhasnagar, District Thane.

Plot no

M-12

Taluka

Ulhasnagar

Village

NA, MIDC area

Capital Investment (In lakhs)

1980

Scale

SSI

City

Thane

Pincode

421506

Person Name

Mr. Niranjana Sachade

Designation

Director

Telephone Number

9819800797

Fax Number

NA

Email

shashi@kalpsutra.com

Region

SRO-Kalyan II

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

no

Consent Number

Format 1.0/BO/AST/UAN No.0000033117/O/CC-1803000471 and Format 1.0/BO/AST/UAN No.0000033117/Amendment/CC-3386 dtd.07.09.2018

Consent Issue Date

09.03.2018

Consent Valid Upto

28.02.2023

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Isobornyl Cyclohexanol	3600	687.2	MT/A
Isocamphyl cyclohexanol	1200	76.03	MT/A
Sandalum	60	0.1	MT/A
Kalpantal	60	0	MT/A
Citronellal	300	0	MT/A
Citronellol	600	0	MT/A
Para-tert Butyl Cyclohexanol	300	0	MT/A

By-product Information

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

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	2	1.85
Domestic	6	5.52
All others	2	1.83
Total	10	9.2

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Sewage Effluent	4.8	4.4	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
NA	NA	NA	CMD

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
Camphene	0	780	MT/A
Phenol	0	410	MT/A
Guaiacol	0	29.7	MT/A
Hydrogen	0	323890 NM3	MT/A
Clay catalyst	0	0.7	MT/A
Raney Nickle catalyst	0	0.1	MT/A
Alkali	0	0.4	MT/A
PEG 400	0	3.7	MT/A
Isopropyl Myristate	0	6.8	MT/A
Citral	0	0	MT/A
p-tert Butyl Phenol	0	0	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	1825	864	MT/A
Furnace Oil	547.5	0	MT/A

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	NA	NA	NA	NA	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	Standard	Reason
	Quantity	Concentration	%variation		
TPM	--	44	NA	150	NA
SO2	12	--	NA	40	NA

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0	110	Nos./Y

2) From Pollution Control Facilities

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

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Paper Bags	0	0	Nos./Y

2) From Pollution Control Facilities

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

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	110	Nos./Y	NA, Sale to Authorized Recycles

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Paper Bags	0	Nos./Y	NA

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)
NA	NA	NA	NA	NA	NA	NA

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

Ambient Air, Stack & Noise Monitoring, Hazardous waste Disposal

Environmental Protection Measures

Monitoring of stack, ambient air and noise is being done

Capital Investment (Lacks)

0.28

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

Ambient Air, Stack & Noise Monitoring, Hazardous waste Disposal

Environmental Protection Measures

Monitoring of stack, ambient air and noise will be done on regular basis

Capital Investment (Lacks)

0.35

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

The areas related to health and hygiene environment are well attended. The factory personnel are well trained for fire fighting and First Aid. Regular cleaning and good house keeping practices are followed.

Name & Designation

Mr. Niranjn Sachade (Director)



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:

MPCB-HW_ANNUAL_RETURN-0000010229

Submitted On:

25-06-2019

Submitted for Year:

2019

1. Name of the generator/operator of facility

M/s. Kalpsutra Chemicals Pvt. Ltd.

Address of the unit/facility

Plot No. M-12, Additional Ambernath Industrial Area, Taluka Ulhasnagar, District Thane.

1b. Authorization Number

Format 1.0/BO/AST/UAN No.0000033117/O/CC-1803000471 and Format 1.0/BO/AST/UAN No.0000033117/Amendment/CC-3386 dtd.07.09.2018

Date of issue

Mar 9, 2018

2. Name of the authorised person

Mr. Niranjan Sachade

Full address of authorised person

Plot No. M-12, Additional Ambernath Industrial Area, Taluka Ulhasnagar, District Thane.

Telephone

9819800797

Fax

NA

Email

shashi@kalpsutra.com

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
OTHERS	Isobornyl Cyclohexanol	3600.00	687.2	MT/A
OTHERS	Isocamphyl cyclohexanol	1200.00	76.03	MT/A
OTHERS	Sandalum	60.00	0.1	MT/A
OTHERS	Kalpantal	60.00	0	MT/A
OTHERS	Citronellal	300.00	0	MT/A
OTHERS	Citronellol	600.00	0	MT/A
OTHERS	Para-tert Butyl Cyclohexanol	300.00	0	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	Discarded containers/barrels/liners	1800.00	110	numbers/anum

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	110	numbers/anum	Recycler or Actual user	Sale to authorized Recyclers

3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	NA	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	NA	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received

NA	UOM
	KL/Anum

2. Quantity in stock at the beginning of the year

NA	UOM
	KL/Anum

3. Quantity treated

NA	UOM
	KL/Anum

4. Quantity disposed in landfills as such and after treatment

Direct landfilling

NA	UOM
	KL/Anum

Landfill after treatment

NA	UOM
	KL/Anum

5. Quantity incinerated (if applicable)

NA	UOM
	KL/Anum

6. Quantiry processed other than specified above

NA	UOM
	KL/Anum

7. Quantity in storage at the end of the year.

NA	UOM
	KL/Anum

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

3. Quantity of waste recycled or co-procesed or used

Name of Waste	Type of Waste	Quantity	UOM
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

Waste name/category	quantity	UOM
----------------------------	-----------------	------------

NA

NA

KL/Anum

8. Quantity in storage at the end of the year

Waste name/category

quantity

UOM

NA

NA

KL/Anum

Personal Details

Place

Date

Designation

Addl. Ambernath MIDC

2019-06-25

Director



Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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ANALYSIS REPORT FOR STACK EMISSION

Report No.	SEETL/ST/11/18/082	Date	14/11/2018		
Name Of Client	M/s. Kalpsutra Chemicals Pvt Ltd.				
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date Of sampling	10/11/2018	Temperature(°C)*	24.6	Humidity (%)*	46
Time Of sampling	Day Time				
Reference	As per discussion dated 02/08/2018				

DETAILS OF STACK

Attached To	Thermopac Heatres-1
Shape	Round
Diameter	800 mm
Height From Ground Level	30 Mtr
Temperature	126 °C
Velocity of Flue Gases	3.85 m/sec
Volume of Flue Gases	6963.26 m ³ /hour
Type of Fuel	Furnace Oil (1.5 TPD)

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	53	mg/Nm ³	150.00	IS 11255 Part 1-1985 Reaff.2014
SO ₂	17	Kg/Day	40	IS 11255 Part 2-1985 Reaff.2014

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.

Checked by
Nilesh Naik



Authorized Signatory
Priti Thombare

BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India ☎ : (0832) 2437048 / 2437164
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Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379



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ANALYSIS REPORT FOR STACK EMISSION

Report No.	SEETL/ST/11/18/083	Date	14/11/2018		
Name Of Client	M/s. Kalpsutra Chemicals Pvt Ltd.				
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.				
Sample Collected By	SEETL Representative	Environmental Condition of Lab			
Date Of sampling	10/11/2018	Temperature(°C)*	24.6	Humidity (%)*	46
Time Of sampling	Day Time				
Reference	As per discussion dated 02/08/2018				

DETAILS OF STACK

Attached To	Thermopac Heatres-2
Shape	Round
Diameter	800 mm
Height From Ground Level	30 Mtr
Temperature	149 °C
Velocity of Flue Gases	4.22 m/sec
Volume of Flue Gases	7632.46 m ³ /hour
Type of Fuel	Coal (5.0 TPD)

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	92	mg/Nm ³	150.00	IS 11255 Part 1-1985 Reaff.2014
SO ₂	28	Kg/Day	40	IS 11255 Part 2-1985 Reaff.2014

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.

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ANALYSIS REPORT FOR STACK EMISSION

Report No.	SEETL/ST/11/18/081	Date	14/11/2018
Name Of Client	M/s. Kalpsutra Chemicals Pvt Ltd.		
Address of Client	Plot No. M-12, MIDC, Addl. Ambernath Industrial Area, Tal- Ulhasnagar, Dist. Thane.		
Sample Collected By	SEETL Representative	Environmental Condition of Lab	
Date Of sampling	10/11/2018	Temperature(°C)*	24.6
Time Of sampling	Day Time	Humidity (%)*	46
Reference	As per discussion dated 02/08/2018		

DETAILS OF STACK

Attached To	DG Set (320 KVA)
Shape	Round
Diameter	120 mm
Height From Ground Level	5.0* Mtr {* Above the height of building where the DG Set is Installed}
Temperature	152°C
Velocity of Flue Gases	9.05 m/sec
Volume of Flue Gases	368.28 m ³ /hour
Type of Fuel	HSD

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	42	mg/Nm ³	150.00	IS 11255 Part 1-1985 Reaff.2014
SO ₂	7	Kg/Day	40	IS 11255 Part 2-1985 Reaff.2014

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.

Checked by
Nilesh Naik



Authorized Signatory
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VOC'S EMISSION REPORT

Report Date	14/11/2018	Report No.	SEETL/WR/11/18/094	
Date of monitoring	10/11/2018			
Name of Company	M/s. Kalpsutra Chemicals Pvt Ltd.			
Address of Company	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.			
Reference	As per discussion dated 02/08/2018			
Monitoring Done by	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)*	24.6	Humidity (%)*	46

WORK PLACE AIR QUALITY

Sample Collected At	Production Plant Ground Floor Near Reactor R-1
Ambient Temp.	28°C

VOC's POLLUTIONAL PARAMETERS

Sr. No.	Parameters	Results	*Limit	Unit	Method
1.	* Total VOC	< 0.5	500.00	µg/m ³	EPA Method TO-17:1999

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3)* This Parameter is not included in NABL Scope.



Checked by
Nilesh Naik

Authorized Signatory
Priti Thombare

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VOC'S EMISSION REPORT

Report Date	14/11/2018	Report No.	SEETL/WR/11/18/095	
Date of monitoring	10/11/2018			
Name of Company	M/s. Kalpsutra Chemicals Pvt Ltd.			
Address of Company	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.			
Reference	As per discussion dated 02/08/2018			
Monitoring Done by	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)*	24.6	Humidity (%)*	46

WORK PLACE AIR QUALITY

Sample Collected At	Production Plant 1 st Floor Near Distillation D-1
Ambient Temp.	28° C

VOC's POLLUTIONAL PARAMETERS

Sr. No.	Parameters	Results	*Limit	Unit	Method
1.	* Total VOC	< 0.5	500.00	µg/m ³	EPA Method TO-17:1999

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3)* This Parameter is not included in NABL Scope.



Checked by
Nilesh Naik

Authorized Signatory
Priti Thombare

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ANALYSIS REPORT FOR WATER SAMPLE

Report No.	SEETL/11/18/091	Report Date	15/11/2018	
Name of Client	M/s. Kalpsutra Chemicals Pvt Ltd.			
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.			
Order / Reference	As per discussion dated 09/11/2018	Environmental Condition of Lab	Temp.(°C)	Humidity (%)
Sampling Point	Kakol Village		24.9	53
Sample Details	Ground Water (Borewell)	Date of Collection	10/11/2018	
Sample Collected By	SEETL Representative	Sample Received On	10/11/2018	
Analysis Started On	10/11/2018	Analysis Completed On	15/11/2018	
Sample Container	Sterile Glass Bottle	Sample Quantity	250 ml	

Microbiological Parameters

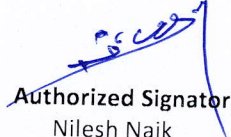
Sr.No.	Parameters	Results	Unit	Method	IS desirable Limit (As per IS 10500)
1	Total coliforms at 37°C for 48 hrs.	Absent	MPN index/100 ml	APHA-9221-B	Absent
2.	E.coli at 44.5°C for 24hrs.	Absent	MPN index/100 ml	APHA-9221-G	Absent

Note : Test results related only to the sample tested.

This certificate may not be reproduced in part, without the permission of this laboratory.

Method : APHA 23rd Edition : 2017




Authorized Signatory
Nilesch Naik

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SAVE WATER
SAVE LIFE

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Lab. accredited by **NABL**, Valid up to 26.03.2020 ★ Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007

ANALYSIS REPORT FOR WATER SAMPLE

Report No.	SEETL/11/18/089-090	Report Date	14/11/2018
Name of Client	M/s. Kalpsutra Chemicals Pvt Ltd.		
Address of Client	Plot No. M-12, MIDC, Addl. Ambarnath Industrial Area, Tal- Ulhasnagar, Dist. Thane.		
Order / Reference	As per discussion dated 09/11/2018		
Sampling Point	STP	Environmental Condition of Lab	Temp °C 28.1
			Humidity % 53
Sample Details	I -Raw Effluent	II -Treated Effluent	Date of Collection 10/11/2018
Sample Collected By	SEETL Representative		Sample Received On 10/11/2018
Analysis Started On	10/11/2018		Analysis Completed On 14/11/2018
Sample Container	PVC Can & Glass Bottle		Sample Quantity 1000 ml + 1000 ml Each

Chemical Parameters

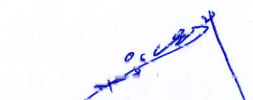
Sr.No.	Parameters	Results		Unit	MPCB Limits	Method
		I	II			
1.	pH	6.88	7.10	-	5.5-9.0	APHA-4500-H ⁺ -B
2.	COD	455.0	50.0	mg/lit	250.00	APHA-5220-B
3.	BOD (27°C 3 day)	142.0	13.00	mg/lit	100.00	IS 3025 (Part 44) :1993 (Reaffirmed -2014)
4.	TSS	90.00	30.00	mg/lit	100.00	APHA-2540-D
5.	TDS	700.0	160.0	mg/lit	2100.00	APHA-2540-C
6.	O & G	2.00	<0.2	mg/lit	10.00	APHA-5520-O&G

Note: : Test results related only to the sample tested.

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: Method ; APHA 23rd Edition : 2017

*This Parameter Not For NABL Scope


Checked By
Nilesch Naik




Authorized Signatory
Priti Thombare

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