Atul Bioscience Limited

ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

EC No: SIAIMH/IND2/152225/2020

Period – From June-2021 to Nov-2021

EC condition No.	Condition	Compliance status
	Specific Conditions	
I.	PP to implement the Guidelines for restoration of manufacturing industries after Lockdown period issued by Ministry of Home Affairs, National Disaster Management Authority on 09.05.2020.	Guidelines for restoration of manufacturing industries after lockdown period issued by Ministry of Home Affairs, National Disaster Management Authority on 09.05.2020 is referred and implemented. Checklist for restoration of manufacturing is prepared and implemented at site. Covid – 19 safety visuals are displayed at site. Thermal scanning, sanitization, social distancing is followed at site. Covid-19 training is given to the workers. Covid vaccination is also completed for the employees **Annexure – I** • Safety precautions for covid-19 • Covid-19 training questionnaire
II.	PP to submit an undertaking for not violating any condition stipulated in earlier EC.	The conditions stipulated in earlier EC will be complied. **Annexure – II** • Undertaking for not violating EC conditions.
III.	PP to provide sewage treatment plant for the treatment of domestic sewage.	Site domestic sewage generation will be max. 22 CMD. The STP (sewage treatment plant) of 25 KLD is installed where domestic effluent is treated. **Annexure –III** • Photo of STP

IV.	PP to submit construction waste management plan and fly ash management plan. All construction waste and fly ash shall be disposed of after obtaining permission from the competent Authority.	SOPs for construction waste management and fly ash management are prepared. Tie up with CHWTSDF (Mumbai waste management limited) is done for hazardous waste disposal. E waste will be disposed to authorized recycler. **Annexure – IV** • Construction waste & fly ash management SOP
V.	PP to prepare safety related training modules in Marathi / vernacular language based on hazard identification so as to increase its effectiveness and impart training to all concern employees.	Safety related training modules in Marathi and Hindi language are prepared and being imparted to employees as well as contractors. **Annexure – V** Safety trainings – Hindi language
VI.	PP to submit structural stability of existing building on site w.r.t to the proposed expansion.	Structural stability certificate is obtained from structural engineer which is valid up to 19-11-2025 **Annexure – VI** • Certificate of stability
VII.	PP to provide Continuous Environmental Monitoring System and connect to the CPCB and MPCB server.	Continuous environmental monitoring system is provided at ETP outlet and connected to CPCB and MPCB server.
VIII.	PP to prepare and implement CER plan in consultation with the District Authority as per OM issued by MoEF & CC dated 01.05.2018.	CER plan is prepared and submitted. **Annexure – VII** Acknowledge copy of CER plan submitted to MIDC.
IX.	PP to submit acknowledge copy of CER plan submitted to District Collector.	**Annexure – VIII** Acknowledge copy of CER plan submitted to district collector
X.	PP to submit revised MIDC approval	MIDC – CC and provisional fire NOC against proposed expansion is received. Occupancy Certificate will be obtained and submitted once received. **Annexure – IX** • MIDC CC
XI.	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August. 2018	Noted. Conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August. 2018 will be complied.

	General Conditions	
I	PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP	In-house ZLD - zero liquid discharge effluent treatment plant consisting of neutralization, DAF, Aeration, MBR, UF, RO, MEE and ATFD is available. No raw effluent or treated effluent is sent to CETP. **Annexure – X** • ETP-ZLD Process description and flow chart
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	Noted. No additional land will be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Complied. Adequate safety measures are taken for the health and safety of the people working in the industry. Safety control measures such as safety training, safety audits, workplace safety inspections, Accident investigations, process safety management, and engineering control are implemented at site. Management commitment towards safety of the people and environment protection is expressed in EHS policy and being followed. **Annexure – XI** • EHS Policy
IV	Proper Housekeeping programmers shall be implemented.	Complied. Good level of housekeeping and 5 S systems is implemented and maintained.
V	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.	Noted and will be followed.
VI	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 Stacks of adequate heights are provided to DG sets.

VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	The 'ground water recharge' type rain water harvesting proposal is submitted to ambernath MIDC office but it is denied saying bore well type RWH is not allowed in MIDC area. Further 'collection and reuse' type rain water harvesting proposal with drawing is submitted to ambernath MIDC for approval. As per the recent update received from MIDC official, the proposal is sent to MIDC head office environment department for further scrutiny and decision. Once it is approved, the project will be implemented. **Annexure – XII** Rain water harvesting proposal
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	Complied. Separate arrangement is made for effluent and storm water.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall he regularly submitted to the Maharashtra Pollution Control Board.	No ground water exists within premises.
X	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.	Noted and complied. Periodic noise monitoring is carried out. Personal protective equipment is worn for high noise area.
XI	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.	Noted and complied. Periodic Ambient noise monitoring is carried out by MoEF approved laboratory. **Annexure – XIII** • Noise monitoring report

XII	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.	Noted. Green belt area is already maintained and will be improved as per CPCB guidelines. **Annexure – XIV** Few site photos showing green belt.
XIII	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.	Noted. Well-equipped firefighting and Fire detection system is installed at site. Well-trained Emergency response team is available at site to handle and control the emergency.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act. XV (The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Medical examination is done on regular basis and Health register Form-7 as per Factories Act is maintained. Well-equipped fire protection system consisting Fire Hydrant System, Fire Extinguisher, Manual Call points, Detectors, Sprinkler etc. are provided in manufacturing area and being inspected regularly. **Annexure – XV** Medical examination report
XV	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.	Noted & Complied. Generated Hazardous waste is sent to CHWTSDF (Mumbai Waste Management Ltd) Tie up is also done with MWML. **Annexure – XVI** MWML Membership certificate
XVI	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.	Noted and Complied. Mock drills are conducted as per factories act and records are maintained as well as submitted to concern authorities. **Annexure – XVII** • Mock drill report – Nov 2021

XVII	A separate environment management cell with qualified staff shall be set up for Implementation of the stipulated environmental safeguards.	Complied. **Annexure – XVIII** • Copy of Organization chart.
XVIII	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.	Noted. Separate budgeting is considered for Environment protection measures.
XIX	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://parivesh.nic.in.	Complied. The advertisement is published in Marathi newspaper – Punyanagari and English newspaper – Free press journal **Annexure – XIX** • Copy of newspapers**.**
XX	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.	Noted and will be complied as per schedule.
XXI	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.	Complied. **Annexure – XX** • Copy of EC is submitted to Ambernath Municipal council.
XXII	The proponent shall upload the status of	Noted and complied.

	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, NOx (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.	Air quality monitoring is done by MoEF approved laboratory. **Annexure – XXI** • Ambient air quality monitoring report.
XXIII	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.	Noted & will be complied as per schedule.
XXIV	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.	Complied **Annexure –XXII** • Copy of Environmental statement Form-V

For M/s. Atul Bioscience Ltd

Kailas.

Mr. Kailas Bharambe

(GM – Manufacturing & Technology)

Enclosures:

Annexure No.	Description of Annexure
I.	Safety precautions for covid-19 and Covid-19 training questionnaire
II.	Undertaking for not violating EC conditions
III.	Photo of STP
IV.	Construction waste & fly ash management SOP
V.	Safety trainings – Hindi language
VI.	Certificate of stability
VII.	Acknowledge copy of CER plan submitted to MIDC.
VIII.	Acknowledge copy of CER plan submitted to district collector
IX.	MIDC CC
X.	ETP-ZLD Process description and flow chart
XI.	EHS Policy
XII.	Rain water harvesting proposal submitted to MIDC
XIII.	Noise monitoring report
XIV.	Few site photos showing green belt
XV.	Medical examination report
XVI.	Membership proforma invoice – Mumbai waste management limited.
XVII.	Mock drill report – Nov- 2021
XVIII.	Copy of Organization chart
XIX.	Copy of newspapers
XX.	Copy of EC is submitted to Ambernath Municipal council
XXI.	Ambient air quality monitoring report
XXII.	Copy of Environmental statement Form-V

Annexure – I

Safety precautions for covid-19 & Covid-19 training

questionnaire

Atul Bioscience Ltd.

 हाथों को बार-बार साबुन और पानी से धोएं	 अपले हाथों को अल्कोहल-आधारित हैड सैनिटाइजर से अक्सर साफ करें	 सार्वजनिक स्थलों पर मास्क पहनें या मुँह पर कपडा बांधें
 बिना हाथ धोए आँख, नाक व् मुँह को न छुएं	 ६ फिट का फासला बनाये रखें	 भीड वाली जगहों पर न जायें
 काम करने की जगह या सार्वजनिक स्थलों पर कभी न थूकें	 कोरोना वायरस संक्रमण के लक्षण दिखते ही नजदीकी आरोग्य केंद्र में संपर्क करें	 किसी व्यक्ति को अभिवादन के लिये नमस्ते करें

COVID - 19 TRAINING QUESTIONNAIRE

Date: ……

Name: …….. **Emp Code: ……..**

Business: …… **Plant: ……**

1. Is there a vaccine or drug for COVID - 19? (Yes | No)

2. What are the symptoms of COVID - 19?

   a) Fever b) Cough c) Shortness of breath d) All are a, b & c

3. How does COVID - 19 spread?

   a) Direct contact with infected person.
   b) Maintain social distance.
   c) Use common soap
   d) None of above

4. Can mosquitoes or flies spread the virus that causes COVID - 19? (Yes | No)

5. How to protect yourself & others

   a) Wash your hand often. b) Close contact c) Cover coughs and sneezes d) Both a & c

6. How many persons are allowed on motorcycle?

   a) 3 b) 2 c) 1 d) None of all

7. Senitizer can be used near hot work area? (True | False)

8. How much time is required for hand wash?

   a). 10 sec b). 20 sec c). 05 sec d). 30 sec

9. Which are the PPE's required for Sanitization?

   a) Face mask, Goggles, Gum boot, Rubber hand gloves
   b) Helmet, safety shoe, cotton hand gloves, goggles.
   c) Safety shoe, face mask, rubber hand gloves, goggles.
   d) Cotton hand gloves, Gum boot, Rubber hand gloves, goggles

10. After 6 pm truck and tankers are allowed in the plant? (Yes | No)

11. Select correct picture

 A  B

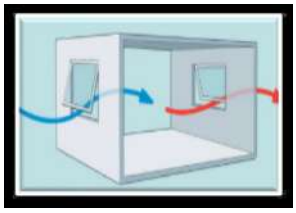
12.Select correct picture

 A  B

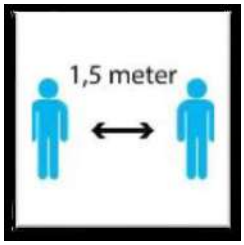
13. Select correct picture

 A  B

14. Select correct picture

 A  B

15. Select correct picture



A  B

Marks Obtained	Correct Answer	Incorrect Answer
Name & Sign. of trainer		

Annexure – II

Undertaking for not violating EC conditions.

Atul Bioscience Ltd

Plot N-37, Additional Ambernath Industrial Area, MIDC, Anand Nagar
MMR Zone-II, Ambernath (East) 421 506, Maharashtra, India
pharma@atul.co.in | www.atulbio.co.in

November 20, 2020

To,

Environment Department

Room No. 217, 2nd Floor,

Mantralaya,

Mumbai- 400032.

UNDERTAKING

I, Kailas Bharambe, Project Proponent of M/s. Atul Bioscience Limited, Plot N-37, Additional Ambernath Industrial Area, MIDC Anand Nagar, Ambernath, Maharashtra – 421 506 solemnly undertake the following in connection with specific condition mentioned in EC No. SIAIMH/IND2/152225/2020 received from Environment department, Mantralaya, Mumbai dated June 26, 2020.

We, M/s. Atul Bioscience Ltd., Ambernath are not violating any of the conditions stipulated in earlier Environment Clearance No. SEIAA-EC-0000001915 dated August 3, 2019.

For Atul Bioscience Limited

Kailas

Kailas Bharambe
(GM- Manufacturing & Technology)

Annexure –III

Photo of STP

Annexure: STP (Sewage treatment plant)

Annexure – IV

Construction waste & fly ash management SOP

1. OBJECTIVE :

To establish basic guidelines for control, collection, storage and disposal of fly ash generated as result of coal fired boiler operation at **ABL** (Atul Bioscience Limited) site

2. SCOPE:

This SOP is applicable for fly ash management at Atul Bioscience Limited Ambernath.

3. RESPOSIBILITY :

3.1 Boiler Operator:

3.1.1 Operation and maintenance of wet scrubber.

3.1.2 Collection of fly ash.

3.1.3 Shifting of fly ash to designated area.

3.1.4 Spraying of water on fly ash to avoid dusting in atmosphere / surroundings.

3.2 Engineering Head /Designee:

3.2.1 Co-ordination with store department for disposal once the enough quantity is generated.

3.3 Store Head /Designee:

3.3.1 Co-ordination with authorized vendor for disposal of generated fly ash.

3.3.2 Documentation for the disposal of fly ash.

3.3.3 Maintain the record of fly ash disposal.

3.4 EHS Head /Designee:

3.4.1 Ensure the safe disposal of fly ash with authorized vendor.

4. ACCOUNTABILITY:

4.1 HOD / Designee: Engineering

4.2 HOD / Designee - Environment, Health & Safety

5. PROCEDURE

5.1 **Definition:**

5.1.1 **Fly ash:** Fly ash is a byproduct from burning pulverized coal in coal fired boiler. Coal is used in boiler for steam generation.

5.1.2 **Disposal:** It means the final and safe disposal of solid waste on land as specified in Schedule I to prevent contamination of ground water, surface water, ambient air and attraction of animals or birds.

5.2 Dust collector followed by wet scrubber is provided at outlet of boiler flue gas. Boiler operator shall operate and ensure smooth working of these systems.

5.3 Boiler operator / firemen shall collect the generated ash and shift it to designated area.

5.4 Boiler operator shall co-ordinate with engineering head / designee about the generation of enough quantity of ash for disposal.

5.5 Engineering head / designee shall co-ordinate with store department to initiate the disposal process.

5.6 Store head / designee shall contact the authorized vendor for the disposal of ash.

5.7 Store head / designee shall prepare the required documentation for disposal of ash.

5.8 EHS head / designee shall impart tool box training to ash truck loading team.

5.9 All necessary personal protective equipment – safety helmet, safety shoes, dust mask shall be used during the unloading activity.

5.10 Store representative shall supervise the loading activity.

5.11 Once the truck is loaded, it will be taken out by following all necessary documentation at security gate.

5.12 Security personnel shall accompany with driver for weighing.

5.13 Security personnel shall submit the weigh slip to store department.

5.14 Store department shall maintain the records of ash disposal.

5.15 Agreement with authorized vendor to be done for safe disposal / recycle of ash.

6. FORMATS:

SR. NO.	FORM NO.	DESCRIPTION
1	Agreement with authorized vendor	For safe disposal / recycle of ash

7. FREQUENCY:

7.1 As when required

8. REFERENCE:

8.1 Site rules & practices

9. GLOSSARY & ABBREVIATIONS:

Sr. No.	Abbreviations	Full Description
9.1	SOP	Standard Operating Procedure
9.2	EHS	Environment Health and Safety
9.3	ABL	Atul Bioscience Limited
9.4	NA	Not Applicable
9.5	HOD	Head of department

Annexure – V

Safety trainings – Hindi language

SAFETY TRAININGS (सुरक्षा प्रशिक्षण)

कार्यस्थल में सुरक्षा

कार्यस्थलमें कार्य करते समय प्रत्येक श्रमिक को अपने बचाव का ध्यान रखना चाहिए। "सावधानी हटी और दुर्घटना हुई" इसे प्रत्येक श्रमिक को सदैव याद रखना चाहिए। एक छोटी सी असावधानों बहुत बड़ा दुर्घटना का कारण बन सकती है। इससे मशीन को हानि पहुँच सकती है, उत्पादन पर असर पड सकता है और कभी-कभी श्रमिक की जान का खतरा भी हो जाता है। इस प्रकार कार्यस्थल में सावधानी का बहुत बड़ा महत्व है।

सुरक्षा एक क्रिया है जो हमारी सभी क्रियाओं को ऐसे व्यवस्थित और नियंत्रित करती है कि न तो स्वयं दुर्घटना के शिकार होते हैं और न ही अन्य लोग इससे प्रभावित होते हैं। अतः एक अच्छे शिल्पकार को सुरक्षा की जानकारी होती है। वह सुरक्षित और स्वीकृत कार्यविधियों को जानता है और व्यवहार में लाता है।

दुर्घटनाओं के कारण:

I. श्रमिक की लापरवाही।

II. श्रमिक की अज्ञानता।

III. श्रमिक का कार्य में अधिक आत्मविश्वास।

IV. श्रमिक की कार्य में अरुचि।

V. श्रमिक की अपनी स्वयं की और मशीन की क्षमता की अपेक्षा अधिक जल्दी कार्य करने की इच्छा।

VI. मशीन की खराब दशा।

VII. औजारों की खराब दशा।

VIII. श्रमिक द्वारा कार्य करने की ठीक विधि न अपनाना।

IX. श्रमिक द्वारा कार्य के अनुसार उचित औजारों का प्रयोग न करना।

X. श्रमिक की मानसिक दशा ठीक न होना।

XI. मशीन के गतिशील पुर्जों जैसे गियर, बेल्ट, पुली आदि पर गार्ड का प्रयोग न करना।

XII. श्रमिक की पोशाक ठीक न होना।

XIII. उत्पादित पुर्जों को सही स्थान पर न रखना।

XIV. वर्कशाप में बिजली और लाइट की व्यवस्था ठीक न होना।

XV. श्रमिकों में अनुशासन की कमी होना।

वर्कशाप के सुरक्षा नियम (Safety Rules of a Workshop):

वर्कशाप में कार्य करते समय सुरक्षा के लिए प्रायः निम्नलिखित नियम अपनाने चाहियें:

I. सामान्य सुरक्षा नियम:

i. श्रमिक को अपने कार्य के लिये पूर्ण जानकारी कर लेनी चाहिए। यदि कोई संदेह हो तो वरिष्ठ अधिकारी से पूछ लेना चाहिए।

ii. अपने कार्य स्थल को साफ रखना चाहिए।

iii. कार्य करते समय प्रत्येक श्रमिक को वर्कशाप की चुस्त फिटिंग वाली पोशाक पहननी चाहिए।

iv. कार्य करते समय कमीज की लंबी आस्तीनों को ऊपर चढ़ा लेना चाहिए।

v. किसी श्रमिक के बाल लंबे है तो कार्य करते समय सुरक्षा टोपी पहन कर उन्हें आवृत कर लेना चाहिए।

vi. वर्कशाप में कार्य करते समय किसी भी श्रमिक को अंगुठी, घड़ी, मफलर और टाई आदि नहीं पहननी चाहिए।

vii. वर्कशाप में कार्य करते समय आंखों के बचाव के लिये चश्मा और पैरों के बचाव के लिये मोटे तलों वाले तेल प्रतिरोधी जूते पहनने चाहिए।

viii. बिना जानकारी के किसी भी मशीन को छूना नहीं चाहिए।

ix. कार्य करते समय आपस में मजाक या मूर्खतापूर्ण आचरण नहीं करना चाहिए।

x. वर्कशाप के फर्श पर तेल या ग्रीस आदि नहीं फैलाना चाहिए।

xi. सीढ़ी का प्रयोग करने के लिये उसे धरातल पर अच्छी तरह से रुकावट लगा कर प्रयोग में लाना चाहिए।

xii. यदि किसी कारणवश दुर्घटना हो जाये तो उसकी सूचना वरिष्ठ अधिकारी को तुरंत देनी चाहिए।

II. हस्त औजारों से सुरक्षा:

i. कार्य-क्रिया के अनुसार सही औजारों का प्रयोग करना चाहिए।

ii. खराब औजारों को प्रयोग में नहीं लाना चाहिए।

iii. बिना दस्ते की रेती का प्रयोग नहीं करना चाहिए।

iv. टूटे या ढीले दस्ते वाले हथौड़े का प्रयोग नहीं करना चाहिए।

v. छत्रक मत्थे वाली छैनी या पंच का प्रयोग नहीं करना चाहिए।

vi. रेती का प्रयोग उत्तोलक की तरह नहीं करना चाहिए।

vii. स्टील रूल का प्रयोग पेंचकस की तरह नहीं करना चाहिए।

viii. पेंचकस द्वारा पेंच को कसने या खोलने के लिये कार्य को हाथ में नहीं पकड़ना चाहिए।

ix. सदैव ठीक साइज के मेनर का प्रयोग करना चाहिए।

x. सूक्ष्ममापी यंत्रों को हस्त औजारों के साथ मिला कर नहीं रखना चाहिये।

III. मशीन से सुरक्षा:

i. मशीन पर कार्य करने से पहले यह जानकारी करना आवश्यक है कि वह किस बटन से चालू होती है और किससे बंद होती है।

ii. मशीन पर कार्य करते समय छीलन को हाथ से साफ नहीं करना चाहिये।

iii. चालू मशीन को साफ करने का प्रयत्न नहीं करना चाहिये।

iv. यदि कार्य करते समय कुछ खराबी आ जाये तो मशीन को तुरन्त बंद कर देना चाहिये।

v. मशीन पर कार्य करते समय चश्मा पहनना आवश्यक है।

IV. इलेक्ट्रिक पॉवर से सुरक्षा:

i. यदि बिजली की पॉवर में कोई खराबी दिखाई दे तो उसकी सूचना अपने वरिष्ठ अधिकारी को तुरन्त देनी चाहिए।

ii. बिजली की नंगी तारों को प्रयोग में नहीं लाना चाहिये।

iii. यदि बिजली का प्लग या तार वगैरा टूट जाये तो उन्हें बदलवा लेना चाहिये।

iv. केवल कुशल बिजली मिस्त्री को ही बिजली ठीक करने की अनुमति देनी चाहिये।

V. भार उठाने के लिये सुरक्षा:

i. किसी ऐसे बोझ को उठाने का प्रयत्न नहीं करना चाहिये जिससे शरीर की नसों पर तनाव आने की संभावना हो।

ii. उठाकर ले जाने वाली सामग्री का सुरक्षापूर्ण संचालन करने में कुछ कठिनाई अनुभव होने पर अपने साथी से सहायता मांग लेनी चाहिये।

iii. किसी बोझ को उचित ढंग से उठाने के लिये बोझ के जितने नजदीक हो सके उतना नजदीक झुकना चाहिये, अपनी पीठ को सीधा रखना चाहिये और बोझ को मजबूती से पकड़ कर टांगो को सीधा करते हुए उठाना चाहिए।

iv. सदैव उचित प्रकार का उत्थापन साधन उपयोग में लाना चाहिये।

v. किसी वस्तु का स्थानान्तर करने से पहले रास्ते के फर्श पर फिसलने वाले भागों को साफ कर लेना चाहिये और बाधा उत्पन्न करने वाले पदार्थों को हटा देना चाहिये।

वर्कशाप में आग और आग की दुर्घटनायें (Fire and Fire Accidents in a Workshop):

आग लगाना एक प्रकार की विधि है जिससे गर्मी और लाइट पैदा होती है। यदि किसी कारणवश आग से दुर्घटना हो जाती है तो उसे आग की दुर्घटना कहते हैं। आग की दुर्घटना प्रायः लापरवही के कारण होती है जिससे जान और माल दोनों का नुकसान हो सकता है। आग फैलाने के लिये ताप, आक्सीजन और ईंधन आवश्यक तत्व होते है।

आग फैलाने के लिए तीन तत्वों अर्थात ईंधन, ताप और ऑक्सीजन का होना अत्यावश्यक होता है जिसे फायर ट्रैंगल कहते हैं। जब ये तीनों आपस में मिलते हैं तो ईंधन के पर्याप्त गर्म होने और हवा में ऑक्सीजन होने के कारण आग फैल जाती है।

आग के प्रकार:

आग प्रायः निम्नलिखित प्रकार की होती है:

i. कार्बोनेशियस फायर:

जो आग लकड़ी, कच्चे कोयले और पक्के कोयले से जलाई जाती है उसे कार्बोनेशियस फायर कहते हैं। इसको बुझाने के लिए पानी का प्रयोग किया जाता है। इसके अतिरिक्त सोडा एसिड एक्स्टींग्यूशर भी प्रयोग में लाया जा सकता है।

ii. ऑयल फायर:

जो आग तेलीय पदार्थों से जलाई जाती है वह ओंयल फायर कहलाती है। इस प्रकार की आग खतरनाक होती है। इसको बुझाने के लिए कठिनाई का सामना करना पड़ता है। इस आग को बुझाने के लिए फोम फायर एक्स्टींग्यूशर का प्रयोग किया जाता है।

iii. इलेक्ट्रिकल फायर:

जो आग बिजली से जलती है उसे इलेक्ट्रिकल फायर कहते हैं। इस आग को बुझाने के लिए सी.टी.सी. फायर एक्स्टींग्यूशर का प्रयोग किया जाता है।

सुरक्षार्थ सावधानियां:

1. जिन पदार्थों को आग जल्दी पकड़ती है उन्हें अलग स्थान पर रखना चाहिए।

2. वर्कशाप में धूम्र-पान नहीं करना चाहिए।

3. कार्य करने वाले स्थान को अच्छी तरह से साफ रखना चाहिए और मशीन को साफ करने वाले कॉटन वेस्ट को प्रयोग में लाने के बाद एक पीपे या बॉक्स में डाल कर ढक्कन से बद कर देना चाहिए।

4. मध्यान्तर के समय और शाम को वर्कशाप बद करते समय बिजली के बटनों को ऑफ कर देना चाहिए।

5. आग बुझाने के लिए वर्कशाप में रेत और पानी की बाल्टियां भर कर रखनी चाहिए।

6. आग बुझाने के लिए वर्कशाप में फायर एक्स्टींग्यूशर तैयार रखने चाहिए।

7. यदि किसी कारणवश आग लग जाये तो वर्कशाप की खिडकियां और दरवाजे बंद रखने चाहिए जिससे आक्सीजन को कंट्रोल किया जा सकता है।

8. यदि आग तेल से लगी हो तो उसे बुझाने के लिए रेत या मिट्टी का प्रयोग करना चाहिए और पानी का प्रयोग बिल्कुल नहीं करना चाहिए।

9. यदि आग लकड़ी या कोयले में लगी है तो पानी का प्रयोग करना चाहिए।

10. आग फैलने पीआर फायर ब्रिगेड़ को टेलीफोन करके उसकी सेवायें प्राप्त की जा सकती है।

फायर एक्स्टींग्यूशर:

यह एक प्रकार का उपकरण है जो प्रायः शंकु के आकार का होता है और लोहे का बनाया जाता है। इसके प्रकार के अनुसार इसमें गैसें या केमिकल भर दिये जाते हैं जिनसे आग को बुझाया जा सकता है। इनको वर्क श्राप में निश्चित स्थान पर लटका दिया जाता है और आवश्यकता पडने पर आग बुझाने के लिए प्रयोग में लाया जाता है।

प्रकार:

i. सोडा एसिड एक्स्टींग्यूशर:

इस प्रकार के एक्स्टींग्यूशर का प्रयोग कार्बोनेशियस फायर को बुझाने के लिए प्रयोग में लाया जाता है। इसको इलेक्ट्रिकल या आयल फायर पर प्रयोग में नहीं लाना चाहिए। इसके। पहचानने के लिये एक्स्टींग्यूशर की बॉडी पर लगभग 100 मि.मि. साइज का पीले रंग का हाथ बना होता है।

ii. फोम एक्स्टींग्यूशर:

इस प्रकार के एक्स्टींग्यूशर का प्रयोग ऑयल फायर को बुझाने के लिए किया जाता है। इसमें दो कन्टेनर होते हैं। बाहरी कन्टेनर में सोडा बाई कार्बोनेट का घोल और अन्दरूनी कन्टेनर में एल्युमीनियम सल्फेट का घोल होता है इसको पहचानने के लिए एक्स्टींग्यूशर की बॉडी पर लगभग 100 मि. मी. साइज का भूरे रंग का हाथ बना होता है।

iii. सी.टी.सी. एक्स्टींग्यूशर:

इस प्रकार के एक्स्टींग्यूशर का प्रयोग इलेक्ट्रिकल फायर पर किया जाता है। यह एक पीतल का सिलेण्डर होता है। जिसमें डबल एक्टिंग फोर्स पंप लगा होता है। इसका प्रयोग ऊपर लगे

हैंडल के द्वारा किया जाता हैं। इसमें सिलण्डर को कार्बन टेटरा क्लोराइड के तरल पदार्थ से भर दिया जाता है। जब इसका प्रयोग किया जाता है यह भाप के रूप में निकलता है।

iv. ड्राई केमिकल एक्स्टींग्यूशर:

इस प्रकार के एक्स्टींग्यूशर का प्रयोग इलेक्ट्रिकल फायर पर किया जाता है। यह प्रायः प्लंजर टाइप होता है। इसमें कार्बन डाई ऑक्साइड या नाइट्रोजन गैस के द्वारा सोडियम बाई कार्बोनेट पाउडर को बाहर निकाला जाता है।

वर्कशाप में प्राथमिक चिकित्सा (First Aid Facility in a Workshop):

समझदार कारीगर कार्यशाला में अपना कार्य सावधानी और सुरक्षा को ध्यान में रखकर करते हैं परंतु फिर भी यह देखा गया है कि कार्यशाला में किसी न किसी कारणवश छोटी-बड़ी दुर्घटनायें होती ही रहती हैं इसलिये यह आवश्यक हो जाता है कि प्राथमिक चिकित्सा के बारे में जानकारी हो क्योंकि तुरंत डाक्टरी सहायता मिलने में देरी हो सकती है। इस प्रकार घायल व्यक्ति की चिकित्सक के आने से पहले जो प्राथमिक सहायता की जाती है उसे प्राथमिक चिकित्सा कहते हैं। प्राथमिक चिकित्सा के लिये ज्ञान और अभ्यास का होना अति आवश्यक है। प्राथमिक चिकित्सा के बाद घायल व्यक्ति को चिकित्सक के सुपुर्द कर देना चाहिए।

प्राथमिक चिकित्सा के लिए कुछ निर्देश:

प्राथमिक चिकित्सा करने के लिए कुछ महत्वपूर्ण निर्देश नीचे दिये गये हैं:

i. प्राथमिक चिकित्सा करते समय घायल व्यक्ति को देखकर घबराना नहीं चाहिए।

ii. प्राथमिक चिकित्सा करते समय दुर्घटना के कारण की जानकारी कर लेने के बाद मशीन, गैस या बिजली के मेन स्विच को ऑफ कर देना चाहिए।

iii. जहां तक संभव हो घायल व्यक्ति को दुर्घटना स्थल से हटा देना चाहिए।

iv. घायल व्यक्ति के चारों ओर भीड़ नहीं लगने देना चाहिए।

v. घायल व्यक्ति की शारीरिक लक्षणों के अनुसार ही प्राथमिक चिकित्सा करनी चाहिए।

vi. घायल व्यक्ति के साथ सहानुभूतिपूर्वक बात करनी चाहिए।

vii. यदि घायल व्यक्ति को रक्तस्त्राव हो तो उसे तुरन्त रोकने के उपाय करने चाहिए।

viii. यदि दुर्घटनाग्रस्त व्यक्ति मूर्छित हो गया तो उसके मुंह पर पानी की छीटें मारने चाहिए और आवश्यकतानुसार चूना और नौशादर मिलाकर सूंघाना चाहिए।

ix. यदि दुर्घटनाग्रस्त व्यक्ति का कोई अंग छिल गया हो या कट-फट गया तो उस पर टिंचर आयोडिन या आवश्यकतानुसार कोई अन्य दवाई लगाकर और डाक्टरी रूई के साथ पट्टी बांध देनी चाहिए।

x. यदि दुर्घटना अधिक बड़ी हो गई हो तो घायल व्यक्ति को तुरंत अस्पताल भेजने का प्रबंध करना चाहिए।

दुर्घटनायें और प्राथमिक चिकित्सा:

a. घाव होना:

दुर्घटनाग्रस्त व्यक्ति को यदि चोट लगने या कटने के कारण घाव हो गया हो तो सबसे पहले खून रोकने का उपाय करना चाहिये। इसके लिये गुनगुने पानी में किसी कीटाणुरोधक दवा को मिलाकर घाव को धो देना चाहिए और उसे डाक्टरी रूई से साफ करने के बाद घाव पर बोरिक लिंट भिगोकर लगा देना चाहिए और पट्टी बांध देनी चाहिये।

b. खून बहना:

चोट लगने या कटने के कारण यदि खून बह रहा हो तो खून निकलने वाले स्थान पर ठंडे पानी की पट्टी या बर्फ रखने से खून रुक जाता है। यदि खून बाहरी घाव से बह रहा हो तो उस स्थान का दबा देने से खून को रोका जा सकता है।

c. मोच आना:

दुर्घटना के कारण यदि हाथ या पैर पर मोच आ जाये तो बड़ी पीड़ा होती है, जोड़ पर सूजन आ जाती है, जोड़ जकड़ जाता है और उसकी हरकत बंद हो जाती है। इसके लिये, ठंडे या गर्म पानी की पट्टियां बारी-बारी से लगभग 5-5 मिनट तक रखनी चाहिए।

d. जलना और झुलसना:

आग या किसी गर्म वस्तु को छू जाने, किसी रस्सी या वस्तु से रगड़ने और तेजाब से जलने को जलना कहते हैं। किसी तरल पदार्थ से जलने को झुलसना कहते हैं। इन दोनों के लक्षण और उपचार प्रायः एक जैसे होते हैं।

जलने और झुलसने से खाल सुर्ख लाल हो जाती है, छाले पड़ जाते हैं और चमड़ी भी उतर सकती है। कभी-कभी जलने और झुलसने वाले स्थान से खून और पानी निकलता है। इसके उपचार के लिए यदि प्रभावित स्थान पर कोई कपड़ा चिपका हुआ हो तो उसे उतार देना चाहिए और जले हुए स्थान पर साफ कपड़ा या डाक्टरी रुई रख कर उसे ढक देना चाहिए।

प्रभावित स्थान पर कोई एन्टीसेप्टिक मरहम लगानी चाहिए। तेल और चूने के पानी को बराबर भाग में लगाने से भी आराम आता है। इसके अतिरिक्त अंडे की सफेदी का लेप भी बहुत लाभदायक होता है। जलने और झुलसने के कारण यदि छाले पड़ जाये तो उन्हें कभी भी फोड़ना नहीं चाहिए और जले हुए स्थान को हवा से बचाना चाहिए।

e. आँख में किसी वस्तु का पड़ना:

आँख में कोई कण या तिनका चला जाये तो बहुत कष्ट होता है। कभी-कभी इससे आँख में घाव भी हो जाता है। जिस आँख में कण वगैरा पड़ जाये उसे कभी भी मलना नहीं चाहिए बल्कि दूसरी आँख को मलना चाहिए जिससे पहली वाली आँख में पानी आ जायेगा और कण निकल जायेगा।

यदि कोई कण वगैरा आँख की ऊपरी पलक में है तो उसे नीचे वाली पलक पर दो या तीन बार चढ़ाना चाहिए। यदि ऊपरी पलक से कण न निकले तो दियास्साई का सहारा देकर ऊपरी पलक को पलट देना चाहिए। और किसी साफ कपड़े के गीले कोने से कण को निकाल देना

चाहिए। यदि कोई कण वगैरा आँख की निचली पलक में हो तो उसे नीचे की ओर पलट कर किसी साफ कपड़े के गीले कोने से निकाला जा सकता है। यदि कोई नुकीली वस्तु आँख में पड़ जाये तो उसे छेड़ना नहीं चाहियें और तुरंत डाक्टर की सहायता लेनी चाहिए। यदि आँख पर सूजन हो तो उसे हल्के गर्म पानी से धोना या सेंकना चाहिए।

f. कुचल जाना:

किसी व्यक्ति के शरीर पर भारी वस्तु गिर जाये या ठोकर लग जाये तो प्रभावित स्थान पर गहरा धब्बा पड़ जाता है और सूजन हो जाती है जिसे कुचल जाना कहते हैं। इसके उपचार के लिए टिंचर आयोडिन लगानी चाहिए। इसके अतिरिक्त पानी और स्प्रिट को मिलाकर रुई को उसमें भिगोकर प्रभावित स्थान पर बांधना चाहिए।

प्राथमिक चिकित्सा किट:

प्राथमिक चिकित्सा किट ऐसे स्थान पर स्थित होनी चाहिए जहां पर आसानी से पहुंचा जा सके। इसमें प्रायः निम्नलिखित सामान्य सामग्री होनी चाहिए- प्राथमिक चिकित्सा पुस्तक; विभिन्न साइजों की स्टेलाइट एडेसिव पट्टियां, विभिन्न साइजों के गोज पैड्स, एडेसिव टेप, टैंगुलर और रोलर पट्टियां, कॉटन का एक रोल, प्लास्टर, कैंची, पैन टार्च, लेटेक्स ग्लोब्स के दो रोल, छोटी चिमटी, सूई, सूखा हुआ तोलिया और साफ सुथरे कपड़े के टुकड़े, एंटिसेप्टिक (सेवलोन या डिटोल), थर्मोमीटर; पैट्रोलियम जैली की ट्यूब; विभिन्न साइजों की सेफ्टी पिनें; साबून वगैरा।

बिना-प्रिस्क्रिपान वाली दवाइयां:

i. दर्द दूर करने वाली एस्पिरिन या पैरासिटामोल

ii. दस्त दूर करने वाली दवाईयां

iii. मधुमक्खी के काटने के लिए एंटी हिस्टामाइन क्रीम

iv. कब्ज दूर करने वाली दवाइयां

Annexure – VI

Certificate of stability

Dtech Engineering

Regd Off.: 'Sulochana' Sr No -105, Rajbag Colony, Dhere Banglow, Manjari (BK), Hadapsar, Pune- 412307.
Mob.: +919029101382 / +91 9604333049 / 7020596815
Email ID.: dtepune@gmail.com / dtepanvel@gmail.com

Ref: DTE/STB/009/2021-22

Date -20.11.2021

CERTIFICATE OF STABILITY

Form- 1A

(Rule - 3A)

1	Name of the factory	*: M/s. Atul Bioscience Limited.*
2	Village, town & Dist. In which The factory is situated	*: N-37, Additional Ambernath MIDC, Anand Nagar, Ambernath (East), Thane, Maharashtra,421506.*
3	Full postal address of the Factory	*: N-37, Additional Ambernath MIDC, Anand Nagar, Ambernath (East), Thane, Maharashtra,421506.*
4	Name of the occupier of the factory	*: Mr. Prabhakar Chebiyyam*
5	Nature of the manufacturing Process to be carried on in the Factory	*: Manufacturing Process of API (Bulk Drugs)*
6	No. of floors on which Workers will be employed	*: Admin / QC Bldg. Gr +1st +2nd+3rd Floor.* *Plant-I Gr +1st Floor with Mezzanine.* *Plant-II Gr +1st Floor with Mezzanine.* *Plant-III Gr +1st Floor with Mezzanine.* *Plant-IV Gr +1st Floor.* *Warehouse Gr +1st Floor.* *Utility Gr +1st Floor with Mezzanine.* *Boiler House Gr Floor with Mezzanine.* *ZLD Plant Gr +1st +2nd Floor.*

I certify that I have inspected the premises, the plans of which have been approved by the ***Director of Industrial Safety & Health in plan Ref. No. 121700000025755 Dated 01.10.2021*** *and examined the various parts including foundations with special reference to the machinery, plant, etc. that have been installed. I am of the opinion that all the works of engineering construction in the premises are structurally sound and that their stability will not be endangered by their use as a factory/ part of the factory for the Manufacturing Process of API (Bulk Drugs) Products for which the machinery, plant, etc. installed are intended.*

Signature:

SHREESHAIL GAIKWAD,
BE CIVIL, ME (STRUCTURE)
Chartered Engineer (India)
Consulting Civil and Structural Engineer,
Reg.No. KMC-04, MIE No. AMI 86553-9

Date: *20.11.2021*

Name: S. P. Gaikwad

Qualification: B.E. (Civil), M.E (Structure), F.I.V, LMISTE

Annexure – VII

Acknowledge copy of CER plan submitted to MIDC.

q/c

Atul

Atul Bioscience Ltd

Plot N-37, Additional Ambernath Industrial Area, MIDC, Anand Nagar
MMR Zone-II, Ambernath (East) 421 506, Maharashtra, India
pharma@atul.co.in | www.atulbio.co.in

Date: 27.05.2020

To,

The Chief Engineer,

MIDC, Additional industrial area,

Anand Nagar, Ambernath (East),

Maharashtra – 421506

Sub: Submission of CER (Corporate Environment Responsibility) plan.

Respected Sir,

We, M/s Atul Bioscience Limited, Plot No. N-37, Additional Industrial area, MIDC, Ambernath, Dist – Thane, Maharashtra, submit here CER plan for your information please.

Thanking You,

For Atul Bioscience Limited, Ambernath

Kailas

(Mr. Kailas Bharambe)

GM – Manufacturing and Technology

Enclosed: CER Plan – M/s Atul Bioscience Limited, Ambernath, Thane, Maharashtra.

27/05/2020

Clerk to Deputy Engineer
M.I.D.C. Sub Division,
Addl. Ambernath

CER (Corporate Environment Responsibility) Plan

Name of the project	Atul Bioscience Limited Ambernath
Address of the project	Plot No: N-37, Additional Industrial Area, MIDC, Anand nagar, Ambernath (east), Dist - Thane, Maharashtra, Pin - 421506
Type of project	Expansion (with change in product mix)
Existing project cost	42.31 Crores
Cost of expansion	43.69 Crores
Cost of project for CER	0.43 Crores (1% of expansion cost)

SR. NO.	CER ACTIVITY	Details of CER activity	Place of Implementation	Total Amount (Rs.)	1st Year (Rs)	2nd year (Rs)	3rd Year (Rs)	4th Year (Rs)	5th Year (Rs)
1	Education & Awareness	1. Training & awareness programs will be arranged for the nearby schools and industrial associations. 2. Distribution / Display of environment awareness posters to schools, Fire station colony, small scale industries.	Ambernath / Badlapur	8,00,000	1,00,000	1,50,000	1,50,000	1,50,000	2,50,000
2	Distribution of Eco friendly gazettes	Environment friendly items like cotton bags, LED lamps, solar lamps etc will be distributed in nearby schools and villages.	Ambernath	5,25,000	-	1,00,000	1,25,000	1,50,000	1,50,000
3	Waste storage facilities	Dedicated waste storage bins, containers will be provided in the vicinity of the site, schools and villages.	Ambernath	8,00,000	1,00,000	1,00,000	1,50,000	2,00,000	2,50,000
4	Facilities	Up-gradation of School infrastructure - water storage tank, stand post for drinking water, purified water & Toilet block	Ambernath / Badlapur	5,25,000	1,00,000	-	1,25,000	1,50,000	1,50,000
5	Sanitation	Installation of mobile toilet facility in and around the site	Vicinity of the site	3,50,000	-	50,000	75,000	1,00,000	1,25,000
6	Avenue plantation	1. Plantation will be done at divider of both side roads adjacent to site about 1 km. 2. Green circle will be developed and maintained at road junction near the site.	Vicinity of the site	13,00,000	1,50,000	2,00,000	2,50,000	3,00,000	4,00,000
			Total	43,00,000	4,50,000	6,00,000	8,75,000	10,50,000	13,25,000

Annexure – VIII

Acknowledge copy of CER plan submitted to district collector

O/C

Atul

Atul Bioscience Ltd

Plot N-37, Additional Ambernath Industrial Area, MIDC, Anand Nagar
MMR Zone-II, Ambernath (East) 421 506, Maharashtra, India
pharma@atul.co.in | www.atulbio.co.in

May 31, 2021

To,

The District Collector,

Collector Office, Court naka,

Thane (west), Maharashtra – 400601

Sub: Submission of CER (Corporate Environment Responsibility) plan.

Environment clearance ref: SIAIMH/IND2/152225/2020 dated 26-06-2020

We, M/s Atul Bioscience Limited, Plot No. N-37, Additional Industrial area, MIDC, Ambernath, Dist – Thane, Maharashtra, submit here CER plan as per the condition mentioned in above mentioned environment clearance.

Thanking You,

For Atul Bioscience Limited, Ambernath

Kailas

(Mr. Kailas Bharambe)

GM – Manufacturing and Technology

Enclosed: CER Plan – M/s Atul Bioscience Limited, Ambernath, Thane, Maharashtra.

31/05/2021
आवक लिपीक
जिल्हाधिकारी कार्यालय ठाणे

CER (Corporate Environment Responsibility) Plan

Name of the project	Atul Bioscience Limited Ambernath
Address of the project	Plot No: N-37, Additional Industrial Area, MIDC, Anand nagar, Ambernath (east), Dist - Thane, Maharashtra, Pin - 421506
Type of project	Expansion (with chonge in product mix)
Existing project cost	42.31 Crores
Cost of expansion	43.69 Crores
Cost of project for CER	0.43 Crores (1% of expansion cost)

SR. NO.	CER ACTIVITY	Details of CER activity	Place of Implementation	Total Amount (Rs.)	1st Year (Rs)	2nd year (Rs)	3rd Year (Rs)	4th Year (Rs)	5th Year (Rs)
1	Education & Awareness	1. Training & awareness programs will be arranged for the nearby schools and industrial associations. 2. Distribution / Display of environment awareness posters to schools, Fire station colony, small scale industries.	Ambernath / Badlapur	8,00,000	1,00,000	1,50,000	1,50,000	1,50,000	2,50,000
2	Distribution of Eco friendly gazettes	Environment friendly items like cotton bags, LED lamps, solar lamps etc will be distributed in nearby schools and villages.	Ambernath	5,25,000	-	1,00,000	1,25,000	1,50,000	1,50,000
3	Waste storage facilities	Dedicated waste storage bins, containers will be provided in the vicinity of the site, schools and villages.	Ambernath	8,00,000	1,00,000	1,00,000	1,50,000	2,00,000	2,50,000
4	Facilities	Up-gradation of School infrastructure - water storage tank, stand post for drinking water, purified water & Toilet block	Ambernath / Badlapur	5,25,000	1,00,000	-	1,25,000	1,50,000	1,50,000
5	Sanitation	Installation of mobile toliet facility in and around the site	Vicinity of the site	3,50,000	-	50,000	75,000	1,00,000	1,25,000
6	Avenue plantation	1. Plantation will be done at divider of both side roads adjacent to site about 1 km. 2. Green circle will be developed and maintained at road junction near the site.	Vicinity of the site	13,00,000	1,50,000	2,00,000	2,50,000	3,00,000	4,00,000
			Total	43,00,000	4,50,000	6,00,000	8,75,000	10,50,000	13,25,000

Annexure – IX

MIDC CC

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)

No. **EE/AMB/A-06411**/of 2020,
Office of the Executive Engineer,
MIDC, (Civil) Division Ambernath.
Date: - **06/01/2020**

To,
M/s. Atul Bioscience Ltd.,
Plot No. **N-37,**
MIDC Industrial Area,
Addl. Ambernath.

Sub :- Factory Building Plan Approval for Plot No. N-37 in Addl. Ambernath Indl. Area.

Ref :- Online application vide **SWC/7/521/20191024/664882 dt.24/10/2019.**

Dear Sir,

You have submitted application for factory to Building Plan approval for Plot No. N-37, in Addl. Ambernath Indl. Area.

Your application is examined and following approvals are hereby granted…

Building Plan Approval

Since you have paid following ……

I) Development charges, amounting to **Rs. 71,920.64** vide Receipt No.**GL 20497169 dt. 27/12/2019 paid online.**

II) Scrutiny fees, amounting to **Rs. 3,607.92** vide receipt No**. GL20398929 dt.06/11/2019, paid online.**

1) The set of fresh plans, received from you vide your letter cited above, is hereby approved subject to acceptance and follow up of following conditions by you.

2) You had submitted plans and drawings for **355.08Sqm** fresh and **total 5248.35 Sqm** of plinth area for the plot area of **24558.00 Sqm,** at present this office has approved plans for **901.98 Sqm** fresh and total upto date **10998.55 Sqm**. of built up area. This office has now approved **03 Nos.** of drawings details of which are mentioned on the accompanying statement.

A. In case of approval to the modified plans, the earlier approval to the building plans granted vide letter No. **--------- dt. ---------** by this office is treated as cancelled. The drawings approved now supersede previously approved drawings. You are requested to return the cancelled plans to this office for cancellation and record.

B.The drawings submitted now includes existing structures/proposed structures, which were not approved previously. Present approval along with the previously approved plans vide letter No. **EE/AMB/N-37/E-29337/of 2017 dt. 04/12/2017** and occupancy certificate issued vide letter No. **MIDC/SPA/EE/AMB/D-94657 dt. 28/11/2018.** from the office of the Executive Engineer is to be treated as combined approval..

3) This building plan approval is with respect to planning point of view and in accordance to MIDC's Development Control Rules, since MIDC is Special Planning Authority (SPA) for this Area. In addition, to this approval the plot holder shall obtain approval for plans from other requisite authorities as per necessity, such as from :-

   i) Industrial Safety and Health Department, Govt of Maharashtra.

   ii) Explosive Department, Govt. of India.

   iii) Food & Drugs Department, Govt. of Maharashtra.

4) The plot holder shall obtain prior Environment Clearance Certificate before Commencement of any construction activities, if applicable to their project as per the notification issued by MoEF, Govt. of India vide Notification issued by MoEF, New Delhi dtd.14. 09. 2006 and its subsequent amendments'.

5) You are requested to submit certified copies of above approvals from the concerned authorities to this office, in triplicate before any work is started OR within three months from the date of issue of this letter whichever is earlier.

6) For the sanitary block, overhead water storage tank shall be provided at the rate of 500 liter per W.C. or Urinal.

7) For necessary approach road to the plot from the edges of MIDC. Road, 900 mm dia CD works or a slab drain, as may be approved by the Executive Engineer, shall be provided.

8) Temporary structures shall not be allowed except to during construction period (after obtaining prior approval from Executive Engineer.) and the same shall be demolished immediately after building work is completed.

9) During the period of construction, stacking of materials shall be done only in the area of plot allotted. In no case, material be stacked along MIDC, road land width/open plot area.

10) The marks demarcating boundary of the plot shall be preserved properly and kept in good condition and shown to department staff as and when required.

11) No tube well, bore well or open well shall be dug.

12) Plans for any future additions, alterations or extensions will have to be get approved from this office, as well as from concerned competent authority.

13) The present approval to the plans does not pertain to approval to the structural design, RCC members, foundations etc. It is only locational approval to the layout of various structures & floors with reference to the plot, in accordance to MIDC DCR.

14) In case any power line is passing through the plot, the plot holder should approach MSEDCL and obtain their letter specifying the vertical and horizontal clearance to be left and plan his structures accordingly.

15) The compound wall gate should open inside the plot and if the plot is facing on two or more sides of the road then gate shall be located at least 15 m. away from the corner of junction or roads.

16) Plot holders shall make his own arrangement for 24 hours of storage of water, as uninterrupted water supply cannot be guaranteed.

17) In case, water stream/ nallah is flowing through the allotted plot, the plot holder has to ensure that the maximum quantity of rain water that flows at the point of entry of stream is allowed to flow uninterruptedly through the plot and upto the point of out flow of the original stream. The points of entry and exit of the natural stream shall not be changed. The detailed plans section and design for allowing maximum expected discharge of rain water through the plot have to be furnished to this office and no filling of plot and diversion of nalla is allowed unless a written permission is obtained from the Executive Engineer/SPA.

18) This permission stands cancelled, if no construction work is started within **12** (Twelve) months from the date of issue of this letter or the date given in the agreement to lease to start construction work whichever is earlier. The date of starting construction work and date of completion shall be informed to the Executive Engineer in charge immediately. The construction shall be completed within the given stipulated time limit as per the lease agreement.

19) Breach of any rules stipulated will render the plot –holder liable for action as provided in MIDC., Act 1961 (II of 1962 and regulations made there under) and also terms of lease agreement and schedule of penalties prescribed by the Corporation for this purpose.

20) This office is empowered to add, amend, vary or rescind any provisions of Building Rules & regulations from time to time as it may deem fit, and the plot-holder has to be abide by these rules and regulations.

21) As soon as the building work is completed, the plot-holder shall approach to the concerned Deputy Engineer/Executive Engineer, to get the work verified and building shall not be occupied unless building completion certificate and occupancy certificate is obtained from this office.

22) **This approval is subject to permission of competent authority under Urban Land (Ceiling & Regulations) Act. 1976.**

23) The plot-holder within a period of one year from the date of agreement to lease, shall plant at least one tree per 100 Sq. m. of plot area along the periphery of the plot. In addition, he shall also plant one tree per 15 m. on the frontage of road or part thereof inside the plot and maintain the trees so planted in good condition throughout the period of agreement to lease.

24) The basement if provided is to be used only for storage purpose. No. manufacturing activates are allowed, similarly toilet is not allowed at the basements.

25) The Name and plot number shall be displayed at main entrance of plot.

26) The plot holder shall construct ETP as per consent of MPCB & treat & dispose effluent as per MPCB Consent to establish & operate, if applicable with prior approval of MIDC SPA.

27) The plot holder shall ensure that, the foundation of the building / structure shall rest on the firm strata and not on made up / filled ground. The Architect and structural consultant appointed by the owner will be solely responsible for this condition.

28) MIDC issues permission for development of plots which are situated on river banks, adhering to the contents of the River Policy dt. 13th July 2009 and as per category of Industries. PIL No. 17 of 2011 is filed against this policy at the Hon'ble High Court Bombay. It is clarified that, grant of any permission by the MIDC to any new industry in industrial estate situated on river banks will be subject to any further orders which may be passed by Hon'ble High Court, Bombay under PIL No. 17 of 2011.

29) ~~As per the Chief Fire Officer, MIDC's circular vide No. A-04499 dt. 05.01.2015, you have to provide **4 Nos** of 5 Kg capacity of DCP fire extinguishers (ABC Type) following IS:15683 within the proposed factory building at prominent locations and the same shall be always maintained in good operating condition as per the IS code.~~

30) Since you have consumed **49.80 %** of FSI as per the approved plan, you are requested to utilize remaining FSI as per agreement to lease.

Undersigned reserves right to amend any additional recommendations deemed fit during the final inspection due to the statuary provision amended from time to time and in the interest of the protection of the company.

You are hereby requested to go through above approvals carefully with the above conditions, and take necessary actions accordingly.

Thanking you,

Your's faithfully,

Rajaram G Rathod

Digitally signed by Rajaram G Rathod
DN: c=IN, o=Government Of Maharashtra, ou=Maharashtra Industrial Development Corporation, postalCode=421501, st=Maharashtra, 2.5.4.20=26be943da243ca28bca97cd95fec00a5639e239b2665693fdb4fcd0e71d0312d, 2.5.4.45=0321008 6F1805F9BC5A4E71ACB2DE0C27D4D4FB914FBE0455B0ADB3C04B93CEBC8C29D, serialNumber=9cb0419b2eb02b98571620f5aa9f985e20611fe7257e9a32d8569d931480611 3, cn=Rajaram G Rathod
Date: 2020.01.06 14:32:29 +05'30'

Executive Engineer
Special Planning Authority
M.I.D.C., Civil Division
Ambernath.

DA:- 1. One Statement showing details of drawings and built up area approved.
2. Copy of approved drawings/plans.

Annexure – X

ETP-ZLD Process description and flow chart

Annexure II - ETP- ZLD process description and equipment flow chart

ETP PROCESS DESCRIPTION

Plant Capacity: 110 CMD

Process Description:

1. **Bar screen:** It is provided for the removal of fine and course waste particles from the effluent.
2. **Oil and Grease Trap:** The effluent from the Plant enters through oil & grease traps, which arrests the heavy sludge, oil & grease .The oil & grease being light material floats above and it is separated by using oil skimmer.
3. **Collection Tank (30 KL):** The effluent from oil & grease traps enters the collection tank. This tank is used as effluent holding.
4. **Equalization Tank (30 KL) :** In Equalization tank the effluent is homogenized and Neutralized to pH 7.00 with the help of Caustic or HCl. Diffusers are installed for mixing the contents.
5. **DAF (Capacity 110 KLD):** Dissolved Air Flotation (DAF) with Pipe Flocculator process is used for removal of suspended solids. It is a gravity separation process whereby the separation of two phases is achieved by increasing the specific gravity difference of the two phases. This is achieved by attaching micro air bubbles, brought about by saturating water with air under pressure, and then expanding the water stream through valves to atmospheric pressure. These micro bubbles nucleate onto the solid particles to be separated, thus lowering the specific gravity and allowing contaminants to rise to the surface.
6. **Aeration Tank- 1 (Capacity 200 KL) & 2 (Capacity 80 KL):** It consists of the Aerobic Bio-reactor is a biological treatment unit in which the dissolved organic matter is destroyed by micro-organisms in the presence of oxygen. The treatment process employed in the bio-reactor is

activated sludge process. Compressed air is provided by Twin lobe blowers through air diffusers installed in the aeration tank. Air diffusers are tubular membrane diffusers that transfer very fine bubbles of air into the contents of the aeration tank. Oxygen present in the air is easily utilized by micro-organisms for their survival and degradation of the organic matter present in the effluent. The activated sludge process is named so, because there is a production of an activated mass of microorganisms capable of stabilizing a waste aerobically. Organic waste is introduced into a reactor, where an aerobic bacterial culture is maintained in suspension. The organic matter is decomposed by the aerobic bacteria with the help of oxygen supplied by the Air Blowers. The aerobic condition is maintained by using either diffused which helps to maintain the mixed liquor in a completely mixed regime.

7. **MBR (Membrane Bioreactor) Capacity – 110 KLD:** The MBR is essentially a high MLSS (10,000-20,000 mg TSS/l) activated sludge process with an integral solid liquid separation mechanism, the membrane unit. Each standard membrane unit is comprised of two separate sections, a membrane case and a diffuser case. The membrane case contains a number of manifold flat-panel membrane cartridges with an average porosity of 0.4 microns and an effective porosity of 0.1 microns. The bottom diffuser case supports the membrane case and houses a coarse-bubble diffuser. The permeate stream from MBR will be sent for further treatment (UF & RO). RAS pump is provided to recirculate the concentrated MLSS back to aeration. The excess sludge is sent to sludge holding tank.
8. **Filter Press:** The sludge collected is filtered through filter press and clear water is taken back into feed tank (Equalization Tank). Dried sludge from filter press will

be sent to CHWTSDF (Mumbai waste management limited, Taloja)

9. **Pressure sand filter (PSF):** Treated water or effluent from the treated water tank is fed to PSF. It is ideal for filtration of water having very fine suspended matter like mud, rust particles and biological growth. PSF is a vessel constructed of welded mild steel and provided with manhole with cover / top and bottom flanged covers, supports, raw water distributor, under drain collection and backwash water jet system. Treated water flows downwards through the filter bed, and the turbidity and Suspended matter is retained on the sand surface. Filtered water is evenly collected by an under drain system in the bottom of the vessel and flows through the outlet to service. At normal flow-rates a clean filter bed presents little resistance to the passage of water but the suspended matter is removed from the water, steady rise in the loss of head occurs across the bed. Cleaning of filter bed is effected by passing a reverse upward flow of water through the filter for approximately 3 to 5 minutes.
10. **Activated Carbon filter (ACF):** Treated water will be transferred to activated carbon filter. Activated carbon filter consists of a vertical pressure vessel fitted with a set of frontal pipe and valves, different type of filtration media will be supported by layers of graded under bed consisting of pebbles and gravels, a top distributor to distribute the incoming water uniformly throughout the cross section of the filter and an under drain system to collect filtered water. This will be pressurized filter with backwash arrangement.
11. **Ultra filtration (UF):** UF is TSS removal and disinfection membrane. UF membranes are porous and allow only coarser solutes (macromolecules) to be rejected. All types of microorganisms as viruses and bacteria and all types of

particles can be removed by this process. The filtered water will be passed through a UF system before entering the RO plant. The Ultra filtration is considered as a pre-treatment to RO system this will reduce scaling and fouling of RO system. UF system maintains the output water SDI < 3 and removes the colloidal particles. To maintain UF flux CEB system will be provided with periodic backwash and Chemical Enhanced Backwash. Operation of UF system will be automatic and PLC based.

12. **Reverse Osmosis (Two stages, Capacity 110 KLD):** Reverse osmosis (RO) is a most commonly used membrane filtration method that removes many types of large molecules and ions from effluents by applying pressure to the effluents when it is on one side of a selective membrane. RO is used to remove specific dissolved organic constituents remaining after advanced treatment of influent with different pre-filters. RO system can operate at very high efficiency with respect to TDS. In addition, it also removes residual organic molecules, turbidity, bacteria and viruses. The feed water shall be then pumped by means of a RO Feed pump & a high pressure pump through the MCF followed by membrane assembly. With required pressure and flow, water passes through RO modules. Permeate from the system is collected in a permeate water storage tank & balance goes to the reject stream which is further treated or is collected in a reject water storage tank. Anti-scalant, SMBS and Acid / Alkali dosing systems are provided for proper functioning of RO system. For cleaning of RO membranes CIP system is included
13. **Multi-effect Evaporator (Two stage, Capacity – 22 KLD):** The MEE is a multi-stage thermal separation system. This compact unit combines a heat exchanger, an external separator, and a vacuum system with a condenser for vapors generated. It is designed to operate as a forced

circulation, suppressed boiling evaporator. The flash evaporator is a forced circulation suppressed boiling evaporator utilizing a shell and tube heat exchanger to heat the product to above its boiling temperature. Boiling is prevented from taking place on the heat transfer area by applying a backpressure to the outlet and the product is then flashed into a separator. The flash vapours that result are condensed in a surface condenser and the concentrated product is pumped out of the separator. For products, which tend to crystallize during concentration or those that contain a high percentage of suspended solids, flash evaporation is the most suitable method.

By using liquid static head above the heat exchanger or a special orifice piece in the discharge line, vaporization is arrested until the product liquor flashes into the separator. Any crystallization then occurs and a suspended slurry results. High liquid velocity flow combined with induced turbulence deters scaling on heat transfer surfaces, and promotes longer production runs. The solution with crystals is taken to centrifuge for salt separation and the salts are reused in the process. A part of mother liquor separated from the Centrifuge is circulated back to appropriate stage of MEE. Remaining part of mother liquor is evaporated using Agitated Thin Film Dryer (ATFD) to prevent the build-up of COD and TSS in the MEE system by the means of recirculated mother liquor.

14. **ATFD (Capacity 11 KLD):** ATFD is the ideal apparatus for continuous processing of concentrated material to dry solids. ATFD is consist of cylindrical, vertical body with heating jacket and a rotor inside of the shell which is equipped with rows and pendulum blades all over the length of the dryer. The hinged blades spread the wet feed

product in a thin film over the heated wall. The turbulence increases as the product passes through the clearance before entering calming zone situated behind the blades as the heat will transfer from jacket to main shell under the smooth agitation water/solvent will evaporate and liquid will convert to slurry, to cake or to dry powder or flex. The vapours produced rise upward, counter-currently to the liquid and pass through Cyclone separator mounted of vapour outlet of ATFD. Further these vapours will be condensed in condenser and recovered as condensate. System will be operated under vacuum for temperature sensitive products and atmospheric condition for normal drying.

Effluent Data			
Parameters	UOM	Inlet	Outlet
pH		< 4	6.5-8.5
TSS	ppm	700	< 100
TDS	ppm	10000	< 500
COD	ppm	10000	< 250
BOD	ppm	3000	< 100
Oil & grease	ppm	10	< 10

Atul Bioscience Limited, Ambernath

ETP - ZLD EQUIPMENT DETAILS

SR. NO.	NAME OF EQUIPMENT	Specification	CAPACITY	UOM	QTY
1	Bar screen Chamber	Suitable Bar screen Chamber Spacing between bars: 10 mm. MOC: SS 304	2		1
2	Oil skimmer		2		1
3	Collection Tank	RCC	30	KL	1
4	Equilisation tank	RCC	30	KL	1
5	Effluent transfer pump	Type : Horizontal End Suction Back Pull out pump with single mechanical seal with API Plan II Casing : CI Impeller : SS 316 Shaft ; AISI 431 Shaft Sleeve : AISI 316 Body : SS 304 Impeller : SS 304	Cap.:5.5 m3/hr @ 10.0 m head		2
6	Air Blower for Aeration Tank+ MBR with VFD	Type : Horizontal End Suction Back Pull out pump with single mechanical seal with API Plan II Casing : CI Impeller : SS 316 Shaft ; AISI 431 Shaft Sleeve : AISI 316	950.0 cu.m/hr @ 0.55 bar		2
7	Dissolved Air Flotation Unit	DAF Suitable for handing 5.5 m3/hr flow with 700 ppm maximum TSS with Pipe Flocculator and recirculation pump as per OEM	110	KL	1
8	Sludge recirculation Pumps	Type : Horizontal End Suction Back Pull out pump with single mechanical seal with API Plan II Casing : CI Impeller : SS 316 Shaft ; AISI 431 Shaft Sleeve : AISI 316	22.0 m3/hr @ 10 m head	m3/hr	2
9	Permeate Pumps with VFD	Type : Horizontal End Suction Back Pull out pump with single mechanical seal with API Plan II Casing : CI Impeller : SS 316 Shaft ; AISI 431	4 - 17 m3/hr @ 10.0m head		2
10	Filter Press Feed pump for Chemical Sludge	Type : Screw with suitable TEFC motor 415 V, 3ph, 50 Hz, class F insulation Body : CI	2.0 m3/hr @ 20.0m head		2
11	Filter Press	Sachin	2.0 Cu.m/hr		1

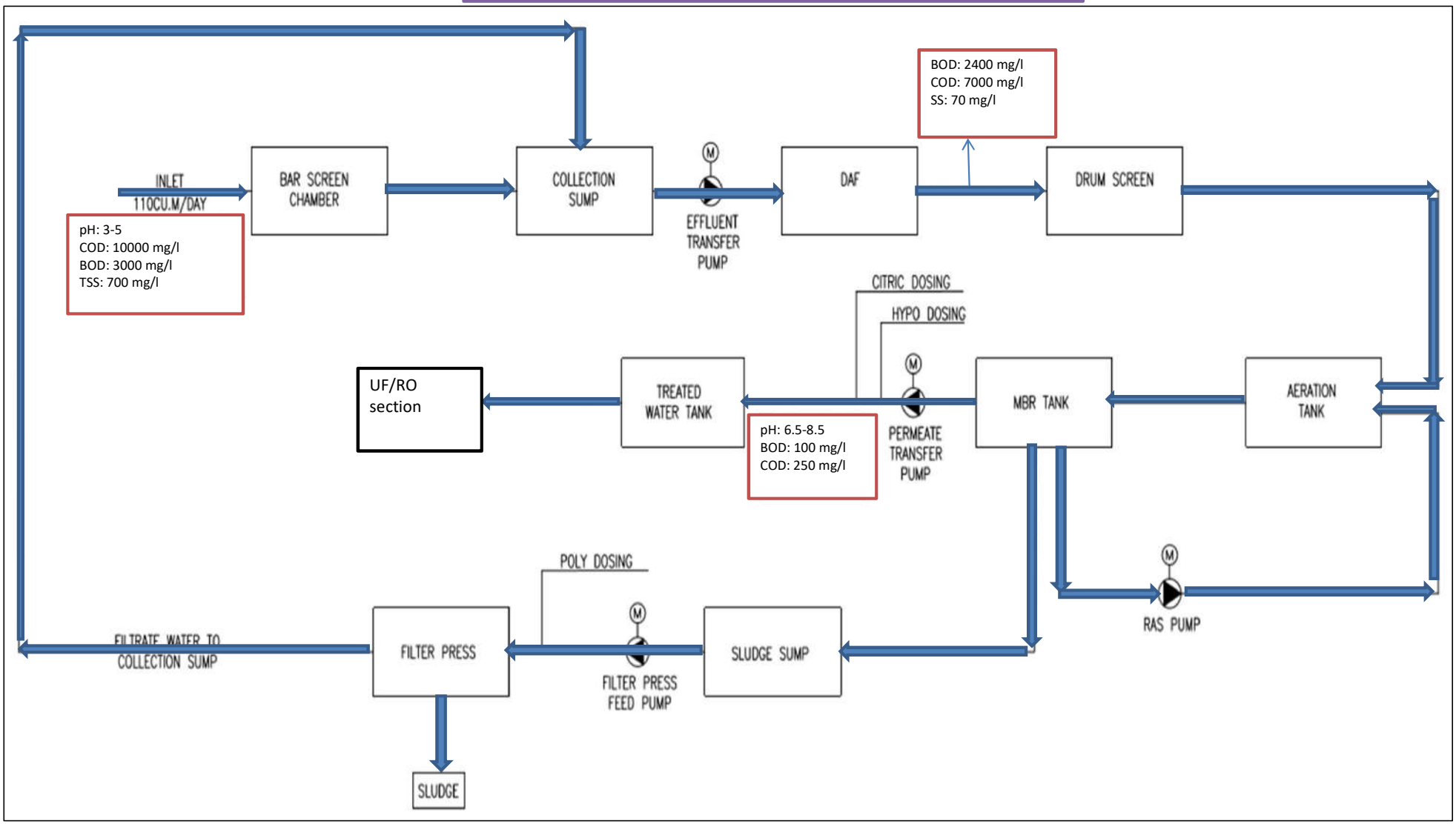
SR. NO.	NAME OF EQUIPMENT	Specification	CAPACITY	UOM	QTY
12	Air Diffusers in Aeration tank	Aeration tank MOC : Silicon TYPE : Membrane Type			1 Lot
13	Alum Dosing Pump for DAF		5 LPH @0.4 bar		1
14	Alum Dosing tank		200 Liter, HDPE		1
15	Agitator for alum dosing tank	With drive NORD Agitator: SS 304			1
16	Poly Dosing Pump for DAF		5LPH @0.4 bar		1
17	Poly Dosing tank		100 Liter, HDPE		
18	Agitator for Poly dosing tank	With drive NORD Agitator: SS 304			1
19	Citric Acid Dosing Pump				1
20	Citric Acid Dosing Tank		500 Liter, HDPE		1
21	Agitator for Citric Acid dosing tank	With drive NORD Agitator: SS 304			1
22	Hypo Dosing Pump				1
23	DWPE Dosing Pump		100LPH @0.4 bar		1
24	DWPE Dosing Tank		500 Liter, HDPE		1
25	Agitator for DWPE dosing tank	With drive NORD Agitator: SS 304			1
26	Aeration Tank -1	RCC	200 KL		1
27	Aeration Tank -2	RCC	80 KL		1
28	MBR Back pulse Tank		1500 Liter, HDPE		1
29	MBR tank	MS Epoxy	12 Cu.m		1
30	Membrane Modules with Traverse, connection Kit	PVDF, UF, 0.04 micron, outside in hollow fiber Area – @ 550 m2			1 Lot
31	Tube settler Feed pump		5 (m3/hr)25 (m head)		2
32	Flash Mixer TANK	MSFRP	0.3 * 0.2* (1.5 +0.5) (L*B * (SWD + FB) (M))		1
33	Agitator	SS 316			1
34	Flocculator TANK	MSFRP	1.2 * 1.5* (1 +0.5) (L*B * (SWD + FB) (M))		1
35	Agitator	SS314			1
36	Tube Settler TANK With Media	MSFRP	2* (2.5 +0.5) (Dia * (SWD + FB) (M))		1
37	Dosing pump - PAC	PP	5 (LPH @ 2.5 Kg/cm2)		2
38	Dosing Tank - PAC	HDPE	200 (Litres)		1
39	Dosing Tank Agitator - Coagulant	SS 316	200 (Litres)		10
40	Dosing pump - Poly	PP	5 (LPH @ 2.5 Kg/cm2)		2
41	Dosing Tank - Poly	HDPE	100 (Litres)		1
42	Dosing Tank Agitator - Poly	SS316	100 (Litres)		1
43	Fllter				
44	Filter Feed tank	HDPE	10 M3		1
45	Feed pump	SS316	5 (M3/Hr)25 (m head)		2

SR. NO.	NAME OF EQUIPMENT	Specification	CAPACITY	UOM	QTY
46	PSF	FRP	0.7 M DIA * 2.1 M HEIGHT		1
47	ACF	FRP	1 M DIA * 1.5 M HEIGHT		1
	ULTRAFILTRATION (UF) SYSTEM				
48	UF Feed Tank	HDPE	10 M3		1
49	UF Feed Pumps with motor	SS316	5 (m3/hr)		2
50	Basket Strainer	SS 316	4 (M3/Hr.)		1
51	UF Skids	SS304	1		1
52	UF Modules	PVDF	HYDRACAPMAX80		1
53	RC Tank	HDPE	200 (Litres)		1
54	RC Tank - Agitator	SS316	200 (Litres)		1
55	RC pump with motor	SS316	4.5 (m3/hr)		2
56	Air blower - UF Skid	CI	13 (m3/hr) 0.7 (kg/cm2)		2
57	Dosing pump - NaOH	PP	6 (LPH @ 2.5 Kg/cm2)		2
58	Dosing Tank - NaOH	HDPE	100 (Litres)		1
59	Dosing Tank Agitator - NaOH	SS316	100 (Litres)		1
60	Dosing pump - HCl	PP	20 (LPH @ 2.5 Kg/cm2)		2
61	Dosing Tank - HCl	HDPE	100 (Litres)		1
62	Dosing pump - NaOCl	PP	6 (LPH @ 2.5 Kg/cm2)		2
63	Dosing Tank - NaOCl	HDPE	100 (Litres)		1
64	UF Permeate Storage Tank / RO Feed Tank	HDPE	10 M3		1
	REVERSE OSMOSIS (RO) SYSTEM				
65	RO - I Feed Pumps with motor	SS316	5 (m3/hr) 25 (m head)		2
66	MCF for RO	SS 316	4 (m3/hr)		2
67	Cartridges for MCF of RO-I	PP	2 (No.)		2
68	Dosing Pump - Antiscalant	PP	3 (LPH @ 2.5 Kg/cm2)		2
69	Dosing Tank - Antiscalant	HDPE	100 (Litres)		1
70	Dosing Tank - Agitator - Antiscalant	SS 316	100 (Litres)		1
71	Dosing pump - SMBS	PP	3 (LPH @ 2.5 Kg/cm2)		2
72	Dosing Tank - SMBS	HDPE	100 (Litres)		1
73	Dosing Tank - Agitator - SMBS	SS 316	100 (Litres)		1
74	Dosing Pump - HCl	PP	3 (LPH @ 2.5 Kg/cm2)		2
75	Dosing Tank - HCl	HDPE	100 (Litres)		1
76	RO-I High Pressure Pumps with motor	SS316	4 (m3/hr)280 (M head)		2
77	RO-I Skids	SS 304			1
78	RO Membranes	Polyamide	SWCLD 4040		18
79	RO Pressure Vessels	FRP			3

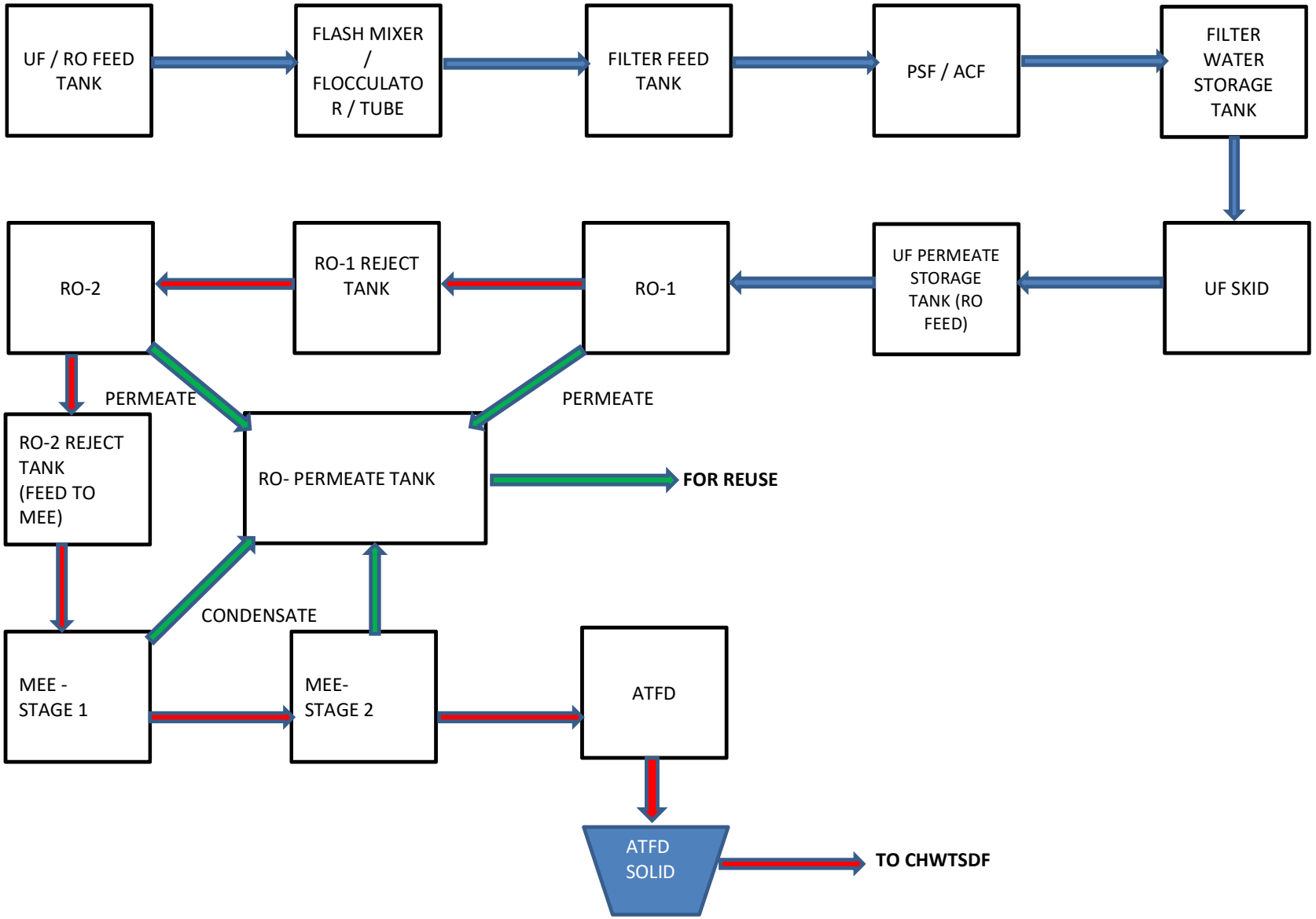
SR. NO.	NAME OF EQUIPMENT	Specification	CAPACITY	UOM	QTY
80	Victaulic Couplings	SS 316			1 Lot
81	RO-I Reject Storage Tank	RCC	DDE		1
82	RO - II Feed Pumps with motor	SS316	1.5 (m3/hr)25 (m head)		2
83	MCF for RO	SS 316	1.5 (m3/hr)		2
84	Cartridges for MCF of RO-II	PP	1 (No.)		2
85	Dosing Pump - Antiscalant	PP	3 (LPH @ 2.5 Kg/cm2)		2
86	Dosing Tank - Antiscalant	HDPE	100 (Litres)		1
87	Dosing Tank - Agitator - Antiscalant	SS 316	100 (Litres)		1
88	Dosing Pump - HCl	PP	3 (LPH @ 2.5 Kg/cm2)		2
89	Dosing Tank - HCl	HDPE	100 (Litres)		1
90	RO-II High Pressure Pumps with motor	SS316	1.4 (m3/hr)500 (M head)		2
91	RO-II Skids	SS 304			1
92	RO Membranes	Polyamide	SWCLD 4040		6
93	RO Pressure Vessels	FRP			1
94	Victaulic Couplings	SS 316			1Lot
95	CIP Tank	HDPE	1000 (Litres)		1
96	CIP Tank - Agitator	SS 316	1000 (Litres)		1
97	CIP MCF Pump with motor	SS316	22 (m3/hr)40 (m head)		2
98	MCF for RO CIP	SS 316	22 (m3/hr)		1
99	Cartridges for CIP MCF	PP	7 (No.)		7
100	RO Permeate Storage Tank	HDPE	20M3		1
101	RO-II Reject Storage Tank / MEE Feed Tank	RCC	DDE		1
102	MEE Feed Pump with Motor and other Accessories.	Duplex	1.2 (m3/hr) 25 (M head)		2
103	Pre-heaters and other accessories	Tubes – Titanium Gr.II Seamless (1.2 mm thk.)Tube sheet – SS316 with Ti Outer shell- SS			2
104	Evaporator calandrias and other accessories	Tubes – Titanium Gr.II Seamless (1.2 mm thk.)Tube sheet – SS316 with Ti Cladding Outer			2
105	Flash vessel / Vapour Separator and other accessories	SS316			2
106	Circulation pumps with motor and accessories	Duplex	170 (m3/hr)5 (M head)		2
107	Condensate pump with motor and accessories	SS 304	1 (m3/hr)25 (M head)		2
108	Vacuum pump(Water ring type) with motor and accessories	Body – CI / Wetted Parts - SS 316L			2
109	Surface condenser (Shell and Tube) unit with accessories.	Shell – SS 316 L Tube Sheet – SS316			2
110	Concentrate pump with motor and accessories	Duplex	1 (m3/hr)25 (M head)		2
111	Salt Settling Tank	SS316			1

SR. NO.	NAME OF EQUIPMENT	Specification	CAPACITY	UOM	QTY
112	ATFD Feed Pump	Duplex	0.5 (m3/hr)25 (M head)		2
113	ATFD System	Shell - SS 316 Rotor – SS 316 Jacket – SS 316			1
114	ATFD Condensate pump with motor and accessories	SS 304	0.5 (m3/hr)25 (M head)		2
15	ATFD Vacuum pump(Water ring type) with motor and accessories	SS 316			2
116	CIP Tank	SS316			1
117	CIP pump with motor and accessories	SS 316			2
118	Colling Tower with other accessories	FRP			1
119	Air Compressor				1

ETP - Biological section



UF/RO(110 CMD)/MEE (22 CMD)SECTION FLOW CHART



Annexure – XI

EHS Policy

Atul Bioscience Ltd

Plot N-37, Additional Ambernath Industrial Area, MIDC, Anand Nagar
MMR Zone-II, Ambernath (East) 421 506, Maharashtra, India
pharma@atul.co.in | www.atulbio.co.in

Environment Health & Safety Policy

We at **Atul Bioscience Limited**, consider employees as our most valuable asset. The Company has therefore committed to abide by a policy of elimination | prevention of all undesirable events which may result in loss of lives | injuries to personnel, damage to environment and property.

Continual improvement in EHS performance will be achieved by setting objectives, measuring performance and communicating results. Management at all levels will be held accountable for the EHS performance of the company.

Atul Bioscience Limited believes that successful implementation and sustainable development of this commitment requires a thorough understanding and complete acceptance of the following principles | initiatives:

1. Provide healthy and safe workplace for preventing injuries and ill health to all employees at site.
2. Implement a policy through involvement of all employees and its periodical review by the management.
3. Develop and implement 'Reduce, Reuse and Recycle' system for protection of Environment including emission of pollutants within acceptable range.
4. Design plants with adequate safeguards to ensure stipulated rules and regulations are followed governing EHS activities.
5. Integrate all business processes with Environmental, Occupational Health and Safety aspects. Proactively evaluate the risk of injury | illness and impact on environment.
6. Carry out process and operational changes through well-defined systems and strict adherence to the same.
7. Communicate EHS policy to all employees, visitors and stakeholders to promote awareness and participation through training.
8. Make continual improvement by setting clear annual EHS objectives and target dates for implementation and initiate periodic review for effectively achieving them.
9. Comply with all regulatory and other requirements related with Environment, Health and Safety and ensure its compliance through periodical audits.
10. Interact with neighboring industries on likely hazard and emergency response system.

Managing Director **Date: 07/02/2020**

Dr.Prabhakar Chebiyyam

Annexure – XII

Rain water harvesting proposal

o/c

Atul

Atul Bioscience Ltd

Plot N-37, Additional Ambernath Industrial Area, MIDC, Anand Nagar
MMR Zone-II, Ambernath (East) 421 506, Maharashtra, India
pharma@atul.co.in | www.atulbio.co.in

Date: October 01, 2021

To,
The Deputy Engineer,
MIDC, Additional Ambernath Sub Division

Sub: Reminder for approval of rain water harvesting proposal

Ref:

1) ABL's letter for permission of RWH system dated 15-04-2021
2) MIDC reply letter No DD/AAIA/C-10113 of 2021 dated 19-04-2021
3) ABL's letter with detailed proposal of ground water recharge RWH dated 19-05-2021
4) MIDC reply letter No. DD/AAIA/C-40045 of 2021 dated 24-05-2021
5) ABL's letter with revised proposal for roof top collection and reuse type RWH

Sir,

We, Atul Bioscience Ltd, Plot N-37, Additional industrial area, MIDC Anand Nagar, Ambernath (East) 421 506,

Awaiting the approval for rain water harvesting proposal submitted to your office and communications done as mentioned in reference above.

Thanking You,

For Atul Bioscience Limited

ATUL BIOSCIENCE LTD. AMBERNATH

Kailas

Mr. Kailas Bharambe
(GM – Manufacturing & Technology)

04/10/2021

Clerk to Deputy Engineer
M.I.D.C. Sub Division
Addl. Ambernath

Annexure – XIII

Noise monitoring report

Ashwamedh
Engineers & Consultants
Laboratory Services Division

TC-5509

Ashwamedh Engineers & Consultants
Survey No. 102, Plot No.26, Wadala Pathardi Road,
Indira Nagar, Nashik - 422009, Maharashtra, India
(Near Guru Gobind Singh School, Near Pandav Nagari,
Turn at Sai Mandir Chowk / Samrat Sweet Turning)
sales@ashwamedh.net +91-253-2392225

NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/09/21/5984	Report No.: N/09/21/5984	Report Date	24/09/2021
Name and Address of Customer	**Atul Bioscience Ltd.** Plot No. N-37, Additional MIDC, Ambernath (East) 421506 Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise (Group: Atmospheric Pollution)
Order Reference	As per PO No. PO_12212200596 Dated 03.06.2021	Date-Monitoring	17/09/2021

Location	Time (h)	Results Noise Level dB (A) Fast Response	Results Noise Level dB (A) Slow Response	Method
A. Near Gate 1	12:30	68	66	CPCB Protocol for Ambient Level Noise Monitoring. July 2015 AEC/C/SAP/SAM/35 & 36
	20:00	59	57	
B. Near Dispensing Room	12:40	73	71	
	20:10	66	64	
C. Near ETP Plant	12:50	69	68	
	20:20	65	63	
D. Near Plant III	13:00	72	70	
	20:30	68	66	
E. Near Boiler House	13:10	70	68	
	20:40	56	54	
F. Near Plant No. 1	13:20	67	64	
	20:50	62	60	

limits		
As Per the Noise Pollution (Regulation & Control) Rules , 2000 (Rules 3 (1) and 4(1))		
Area Type	Limits in dB (A) weighted scale	
	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
Industrial	75	70

Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants

End of Report

Note:
1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.
3. In case sampling is not done by laboratory, the results apply to the sample as received.
4. There are no additions to, deviation or exclusions from the method.

Annexure – XIV

Few site photos showing green belt.

Atul Bioscience Limited

Site Greenbelt photographs

Annexure – XV

Medical examination report

FORM NO. 7

(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XIII, XIV, XV, XVII, XVIII and XX Rule 114)

Atul Biosciences Ltd.

HEALTH REGISTER

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a) **Dr. Anita Tarlekar(M.D.,AFIH)**
Certifying Surgeon

From: 14-08-2021 To 15-08-2022

From: _____ To _____

Sri No	Employee No	Name of Worker	Sex	Age	Date Of Employment Of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
1	820001	MR. SAMBHAJI MORE	Male	48				ASSOCIATE		14-08-2021	Fit For Job				
2	820002	MR. SANTOSH SARANGE	Male	35				OPERATING ASSOCIATE		14-08-2021	Fit For Job				
3	820003	MR. PATANGROA PRATAP	Male	52				ASSOCIATE		14-08-2021	Fit For Job				
4	820004	MR. VINOD PERSHETE	Male	37				ASSOCIATE		14-08-2021	Fit For Job				
5	820005	MR. VINOD RAJBHAR	Male	41				ASSOCIATE		16-08-2021	Fit For Job				
6	820006	MR. RANJIT SINGH JADHAV	Male	44				ASSOCIATE		14-08-2021	Fit For Job				
7	820007	MR. DILIP BHAISADE	Male	59				SECURITY SUPERVISER		14-08-2021	Fit For Job				
8	820008	MR. SURENDRA PAWAR	Male	45				OFFICE ASSISTANT		14-08-2021	Fit For Job				
9	820009	MR. VAIBHAV POL	Male	41				LAB ASSISTANT		14-08-2021	Fit For Job				
10	820010	MR. KISAN T. BORADE	Male	48				LAB ASSISTANT		14-08-2021	Fit For Job				
11	820011	MR. RAJARAM MOHITE	Male	49				ELECTRICIAN		14-08-2021	Fit For Job				
12	820012	MR. SHARAD NARKAR	Male	45				ELECTRICIAN		16-08-2021	Fit For Job				
13	820013	MR. JAYESH PATIL	Male	35				ELECTRICIAN		14-08-2021	Fit For Job				
14	820014	MR. MAHESH KAMBALE	Male	33				ELECTRICIAN		14-08-2021	Fit For Job				
15	820015	MR. RAVINDRA GORE	Male	43				FITTER		14-08-2021	Fit For Job				
16	820016	MR. PRAKASH PATIL	Male	49				FITTER		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
कारखाने अधिनियम १९४८ च्या कलम १० (२)
प्रमाणे ठाणे जिल्ह्यासाठी. २ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
शल्य चिकीत्सक क्र.ACS31 AT/2016

FORM NO. 7

(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XIII, XIV, XV, XVII, XVIII and XX Rule 114)

Atul Biosciences Ltd.

HEALTH REGISTER

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a) **Dr. Anita Tarlekar(M.D.,AFIH)**
Certifying Surgeon

From: 14-08-2021 To 15-08-2022

From: _____ To _____

Sri No	Employee No	Name of Worker	Sex	Age	Date Of Employment Of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
17	820017	MR. VILAS UTEKAR	Male	50				FITTER		14-08-2021	Fit For Job				
18	820019	MR. MANGESH KADAM	Male	43				OPERATOR		16-08-2021	Fit For Job				
19	820020	MR. NILESH SURVE	Male	40				OPERATOR		14-08-2021	Fit For Job				
20	820021	MR. SAYAJI TODKAR	Male	43				PLANT OPTR.		16-08-2021	Fit For Job				
21	820022	MR. YOGESH GHUMATKAR	Male	45				OPERATOR		14-08-2021	Fit For Job				
22	820023	MR. SANDEEP GHARAT	Male	49				PLANT OPTR.		16-08-2021	Fit For Job				
23	820024	MR. SHANKAR KOLI	Male	51				OPERATOR		14-08-2021	Fit For Job				
24	820025	MR. SUNIL R THORAVE	Male	38				OPERATOR		14-08-2021	Fit For Job				
25	820026	MR. PRAKASH GAVALI	Male	45				OPERATOR		14-08-2021	Fit For Job				
26	820027	MR. SANDIP GHADIGAONKAR	Male	51				OPERATOR		16-08-2021	Fit For Job				
27	820028	MR. VINOD DESHMUKH	Male	38				OPERATOR EXECUTIVE		14-08-2021	Fit For Job				
28	820029	MR. KRISHNA TALEKAR	Male	35				ETP OPERATOR		14-08-2021	Fit For Job				
29	820030	MR. JITENDRA BHALERAO	Male	37				SR. PLANT OPTR.		14-08-2021	Fit For Job				
30	820031	MR. SANJAY GHODE	Male	49				SEMI PLANT OPERATOR		14-08-2021	Fit For Job				
31	820032	MR. VIJAY SINGH	Male	36				SR. PLANT OPTR.		16-08-2021	Fit For Job				
32	820033	MR. SATISH BHOPI	Male	32				SEMI PLANT OPTR.		16-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
कारखाने अधिनियम १९४८ च्या कलम १० (२)
प्रमाणे ठाणे जिल्ह्याकरिता. १२ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
शल्य चिकीत्सक क्र.ACS31 AT/2016

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Atul Biosciences Ltd.

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From: 14-08-2021 To 15-08-2022

From: _____ To _____

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33	820034	MR. MANOJ GORE	Male	39				SEMI PLANT OPTR.		14-08-2021	Fit For Job				
34	820035	MR. SANTOSH MHASKAR	Male	42				SR OPRATAR		14-08-2021	Fit For Job				
35	820036	MR. DNYANESHWAR MORE	Male	38				SEMI PLANT OPTR.		14-08-2021	Fit For Job				
36	820037	MR. ARUN GHADI	Male	47				WORKER		14-08-2021	Fit For Job				
37	820038	MR. ATISH GAMBHIR	Male	39				WORKER		16-08-2021	Fit For Job				
38	820039	MR. ANKUSH GAWARE	Male	39				WORKER		14-08-2021	Fit For Job				
39	820040	MR. TUSHAR JAWALE	Male	40				WORKER		14-08-2021	Fit For Job				
40	820042	MR. SADANAND WAKURLE	Male	42				WORKER		14-08-2021	Fit For Job				
41	820043	MR. SANTOSH SHETTY	Male	30				WORKER		14-08-2021	Fit For Job				
42	820045	MR. JAYANT BORADE	Male	34				WORKER		16-08-2021	Fit For Job				
43	820046	MR. SURESH KULKARNI	Male	48				WORKER		14-08-2021	Fit For Job				
44	820047	MR. SUDHIR MHASKAR	Male	39				WORKER		14-08-2021	Fit For Job				
45	820048	MR. SHAM MAHAJAN	Male	48				WORKER		16-08-2021	Fit For Job				
46	820049	MR. ANWAR PINJARI	Male	52				WORKER		14-08-2021	Fit For Job				
47	820050	MR. RIYAJ SHAIKH	Male	39				WORKER		14-08-2021	Fit For Job				
48	820051	MR. SANTOSH ADHARI	Male	39				WORKER		16-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
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प्रमाणे ठाणे जिल्ह्याकरिता ०२ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक

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Atul Biosciences Ltd.

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Certifying Surgeon

From: 14-08-2021 To 15-08-2022

From: _____ To _____

Srl No	Employee No	Name of Worker	Sex	Age	Date Of Employment Of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
49	820052	MR. LALLARAM PAL	Male	49				WORKER		16-08-2021	Fit For Job				
50	820053	MR. RAMESH THOPATE	Male	56				HOUSE KEEPER		14-08-2021	Fit For Job				
51	820054	MR. SHIVKUMAR MUDLIYAR	Male	58				WORKER		14-08-2021	Fit For Job				
52	820055	MR. SANJU THAKUR	Male	34				WORKER		14-08-2021	Fit For Job				
53	820056	MR. RAJESH MANDE	Male	31				WORKER		14-08-2021	Fit For Job				
54	820057	MR. RAJA KALE	Male	46				WORKER		14-08-2021	Fit For Job				
55	820058	MR. SANTOSH JAMDHARE	Male	48				WORKER		14-08-2021	Fit For Job				
56	820059	MR. BHAGWAT MORE	Male	43				WORKER		16-08-2021	Fit For Job				
57	820060	MR. HONAPPA PUJARI	Male	39				WORKER		14-08-2021	Fit For Job				
58	820061	MR. SAYYED ANWAR HUSSAIN	Male	51				WORKER		16-08-2021	Fit For Job				
59	820062	MR. NILESH GAIKAR	Male	40				WORKER		16-08-2021	Fit For Job				
60	820063	MR. KAMLESH BHOIR	Male	35				WORKMEN		16-08-2021	Fit For Job				
61	820064	MR. NILESH JADHAV	Male	39				WORKER		14-08-2021	Fit For Job				
62	820065	MR. MACHINDRA BHOIR	Male	42				WORKER		14-08-2021	Fit For Job				
63	820066	MR. BHARAT GORE	Male	52				WORKER		14-08-2021	Fit For Job				
64	820067	MR. AFZAL KHAN	Male	40				HELPER		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारिळेकर
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प्रमाणे ठाणे जिल्ह्याकरिता ०२ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
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From: 14-08-2021 To 15-08-2022

From: _____ To _____

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65	820068	MR. SANJAY TUPE	Male	36				WORKER		14-08-2021	Fit For Job				
66	820069	MR. VASANT THORVE	Male	45				WORKER		14-08-2021	Fit For Job				
67	820070	MR. SANTOSH JANGHARE	Male	40				WORKER		14-08-2021	Fit For Job				
68	820071	MR. DIGAMBAR KADU	Male	31				WORKER		14-08-2021	Fit For Job				
69	820073	MR. VENKATESH NAIDU	Male	54				WORKER		14-08-2021	Fit For Job				
70	820074	MR. ANAND LOTANKAR	Male	48				HOUSE KEEPER		14-08-2021	Fit For Job				
71	820075	MR. SANTOSH BHANGRE	Male	51				HOUSE KEEPER		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
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प्रमाणे ठाणे जिल्ह्यासाठी ०२ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
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1	800033	MR. ANIL NALKAR	Male	35				ASST.MANAGER		14-08-2021	Fit For Job				
2	800051	MR. AMIT KUMAR	Male	32				ASST.MANAGER		14-08-2021	Fit For Job				
3	810007	MR. CHUNILAL PATEL	Male	53				ASST.MANAGER		14-08-2021	Fit For Job				
4	810008	MR. MANESH DESAI	Male	45				ASST.MANAGER		14-08-2021	Fit For Job				
5	810009	MR. VASUDEO DESAI	Male	45				ASST.MANAGER		14-08-2021	Fit For Job				
6	810011	MR. VENKATESH CHALWADI	Male	44				ASST.MANAGER		14-08-2021	Fit For Job				
7	810056	MR. KAILAS BHARAMBE	Male	45				GEN. MANAGER		16-08-2021	Fit For Job				
8	810057	MR. BALKRISHNA KADAM	Male	46				MANAGER		16-08-2021	Fit For Job				
9	810058	MR. SANDEEP CHAUDHARI	Male	44				SR. MANAGER		14-08-2021	Fit For Job				
10	810074	MR. AJAY S. ASOLEKAR	Male	43				MANAGER		16-08-2021	Fit For Job				
11	810077	MR. SANGRAM SUTAR	Male	31				DEPUTY MANAGER		14-08-2021	Fit For Job				
12	810084	MR. RAHUL NEMADE	Male	36				ASST.MANAGER		14-08-2021	Fit For Job				
13	810090	MR. DHANANJAY PATIL	Male	44				MANAGER		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
कारखाने अधिनियम १९४८ च्या कलम १० (२)
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पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
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Certifying Surgeon

From: 14-08-2021 To 15-08-2022

From: To

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1	65179	MR. RUPESH KAPSE	Male	27				SR. EXECUTIVE		16-08-2021	Fit For Job				
2	810012	MR. RAJENDRA LONDHE	Male	55				SR. EXECUTIVE		16-08-2021	Fit For Job				
3	810013	MRS ASHWINI KARNIK	Female	41				SR.EXECUTIVE		14-08-2021	Fit For Job				
4	810014	MR. JIVAN SATHE	Male	41				EXECUTIVE		14-08-2021	Fit For Job				
5	810015	MR. GAJENDRA PAWAR	Male	36				EXECUTIVE		14-08-2021	Fit For Job				
6	810016	MR. VAIBHAV GAIKWAD	Male	39				JOINT EXECUTIVE		16-08-2021	Fit For Job				
7	810017	MR. IQBAL SHAIKH	Male	40				SR. EXECUTIVE		14-08-2021	Fit For Job				
8	810018	MRS SWATI CHAUDHARI	Female	45				EXECUTIVE		14-08-2021	Fit For Job				
9	810019	MR. KALPESH JADHAV	Male	34				EXECUTIVE		14-08-2021	Fit For Job				
10	810020	MR. SACHIN LIMJE	Male	32				SR. EXECUTIVE		14-08-2021	Fit For Job				
11	810021	MRS SUVARNA NALAWADE	Female	41				EXECUTIVE		14-08-2021	Fit For Job				
12	810023	MR. DINESH PATIL	Male	32				EXECUTIVE		14-08-2021	Fit For Job				
13	810024	MR. VIJAY SAWANT	Male	40				EXECUTIVE		14-08-2021	Fit For Job				
14	810026	MR. NILESH KURLE	Male	33				JOINT EXECUTIVE		14-08-2021	Fit For Job				
15	810027	MR. GURUSIDDAPPA KUMBHAR	Male	37				EXECUTIVE		16-08-2021	Fit For Job				
16	810028	MR. JAYWANT PATIL	Male	32				SR EXECTUIVE		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
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पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
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17	810029	MR. SUSHIL PALKAR	Male	37				JOINT EXECUTIVE		14-08-2021	Fit For Job				
18	810032	MR. SANJAY PANDIT	Male	40				SR. EXECUTIVE		14-08-2021	Fit For Job				
19	810033	MRS ASHWINI INGOLE	Female	34				SR. EXECUTIVE		14-08-2021	Fit For Job				
20	810034	MRS INDIRA NAIR	Female	45				SR. EXECUTIVE		14-08-2021	Fit For Job				
21	810035	MR. AJAY NARKAR	Male	31				EXECUTIVE		16-08-2021	Fit For Job				
22	810037	MIS SARITA SUGATHAN S.	Female	36				SR. EXECUTIVE		14-08-2021	Fit For Job				
23	810040	MIS SHUSHBOO D PIDURKAR S.	Female	32				JOINT EXECUTIVE		14-08-2021	Fit For Job				
24	810042	MS. PALLAVI S. CHAVAN	Female	25				JOINT EXECUTIVE		14-08-2021	Fit For Job				
25	810044	MR. ANSARI NAUSHAD AHMED	Male	29				JOINT EXECUTIVE		14-08-2021	Fit For Job				
26	810050	MR. SUNDAR MAHALINGAM	Male	58				JOINT EXECUTIVE		14-08-2021	Fit For Job				
27	810051	MR. KISHOR SHIGWAN	Male	56				EXECUTIVE		14-08-2021	Fit For Job				
28	810052	MRS CHANDRAKALA P. RANKUL	Female	43				JOINT EXECUTIVE		14-08-2021	Fit For Job				
29	810053	MR. ABHAY MORE	Male	43				EXECUTIVE		14-08-2021	Fit For Job				
30	810054	MR. PRATIK SAWANT	Male	35				JOINT EXECUTIVE		14-08-2021	Fit For Job				
31	810059	MR. RAJIV PARDESHI	Male	25				SR. EXECUTIVE		14-08-2021	Fit For Job				
32	810060	MR. VAIBHAV. PATIL	Male	28				OFFICER		16-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
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प्रमाणे ठाणे जिल्ह्याकरिता ०२ डिसेंबर २०२०
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From: 14-08-2021 To 15-08-2022

From: _____ To _____

Sr No	Employee No	Name of Worker	Sex	Age	Date Of Employment Of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
33	810062	MR. GOKUL CHAVANKE	Male	28				OFFICER		16-08-2021	Fit For Job				
34	810066	MR. JITENDRA CHAVAN	Male	34				EXECUTIVE		14-08-2021	Fit For Job				
35	810067	MR. YASHWANT JAMADAR	Male	30				SR. EXECUTIVE		14-08-2021	Fit For Job				
36	810068	MR. RAJKUMAR CHAVAN	Male	30				OFFICER		16-08-2021	Fit For Job				
37	810069	MR. YOGESH KAD	Male	34				EXECUTIVE		14-08-2021	Fit For Job				
38	810071	MR. ANUJ PAWAR	Male	26				OFFICER		16-08-2021	Fit For Job				
39	810072	MR. SHRIKANT YADAV	Male	25				OFFICER		14-08-2021	Fit For Job				
40	810075	MR. KHUSHAL PATIL	Male	30				SR. EXECUTIVE		14-08-2021	Fit For Job				
41	810076	MR. FARUK SHAIKH	Male	34				SR. EXECUTIVE		14-08-2021	Fit For Job				
42	810078	MR. RAHUL POTDAR	Male	27				EXECUTIVE		16-08-2021	Fit For Job				
43	810079	MR. PRASHANT MORE	Male	26				EXECUTIVE		14-08-2021	Fit For Job				
44	810080	MR. SHANKAR BHAGWAT	Male	26				EXECUTIVE		14-08-2021	Fit For Job				
45	810081	MR. OMKAR JADHAV	Male	32				OFFICER		16-08-2021	Fit For Job				
46	810082	MR. SUDHIR ARGADE	Male	25				EXECUTIVE		16-08-2021	Fit For Job				
47	810083	MR. SACHIN GORADE	Male	32				SR. EXECUTIVE		14-08-2021	Fit For Job				
48	810087	MR. DHYANU GHERODE	Male	28				EXECUTIVE		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
कारखाने अधिनियम १९४८ च्या कलम १० (२)
प्रमाणे ठाणे जिल्ह्याकरिता ०२ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
शल्य चिकीत्सक क्र.ACS31 AT/2016

FORM NO. 7

(See Rule 18(7) and schedules II, III, IV, VI, VIII, X, XI, XIII, XIV, XV, XVII, XVIII and XX Rule 114)

Atul Biosciences Ltd.

HEALTH REGISTER

(In respect of person employed in occupations declared to be dangerous operations under section 87).

Name Of Certifying Surgeon (a) **Dr. Anita Tarlekar(M.D.,AFIH)**
Certifying Surgeon

From: 14-08-2021 To 15-08-2022

From: _____ To _____

Srl No	Employee No	Name of Worker	Sex	Age	Date Of Employment Of present work	Date Of leaving or transfer to other work	Reason for leaving transfer or discharge	Nature of job or occupation	Raw Material or bye product handled	Dates Of medical Examination by certifying surgeon and result of medical examination	Result Of Medical Examination Physician Remark	If suspended from work state period of suspension with detailed reason	Certified fit to resume duty on with Signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date certifying Surgeon
49	810088	MR. PANDHARINATH PAWAR	Male	27				EXECUTIVE		16-08-2021	Fit For Job				
50	810091	MR. HITESH BHUVAD	Male	27				EXECUTIVE		14-08-2021	Fit For Job				

डॉ. अनिता सं. तारळेकर
कारखाने अधिनियम १९४८ च्या कलम १० (२)
प्रमाणे ठाणे जिल्ह्याकरिता ०२ डिसेंबर २०२०
पासून ०१ डिसेंबर २०२२ पर्यंत प्राधिकृत प्रमाणक
शल्य चिकीत्सक क्र.ACS31AT/2016

Annexure – XVI

MWML Membership certificate

RAMKY GROUP

Towards sustainable growth

Mumbai Waste Management Limited

Certificate

M/s, Atul Bioscience Ltd

is a registered member of

CHW-TSDF at MIDC, Taloja

for safe & secure disposal of

Hazardous Waste.

Membership no.: MWML - HzW AMB-2427

This Certificate is valid up to

31st March-2022

Onkar A. Kulkarni
Manager - MBD

Somnath Malgar
Director

An ISO 9001:2015, ISO 14001 : 2015 & ISO 45001 : 2018 Certified Company

MWML Laboratory is accredited by NABL and Approved by MoEF

Annexure – XVII

Mock drill report – Nov 2021

ATUL BIOSCIENCE LTD.			
ENVIRONMENT HEALTH & SAFETY			
TITLE	**MOCK DRILL REPORT**		
DATE OF MOCK DRILL	**10-11-2021**	**REPORT PREPARED ON**	**15-11-2021**

Name of the factory **:- Atul Bioscience limited**

Address of the factory **:-** Plot N-37, Additional Ambernath Industrial Area MIDC, Anand Nagar, Ambernath (East) 421506, Maharashtra.

1.0 **LOCATION OF EMERGENCY** **:** Near Plant – IV recovered solvent tank farm

2.0 NATURE OF EMERGENCY **:** Grass fire near recovered solvent tanks

3.0 DATE OF THE DRILL **:** 10-11-2021

4.0 DETAILS OF THE RESPONSE TIME :

Sr. No.	ACTIVITY	TIME Hrs:mts	RESPONSE (Detailed description of activity)
4.1	Emergency Spotted at	15:46	Boiler person Mr. Haider went to dump coal boiler ash in ash storage area outside the boiler house. During emptying out ash from trolley, he (observer) observed the fire near recovered solvent tankfarm. He immediately started shouting 'Fire Fire' and called his senior from boiler area.
		15:48	Senior boiler operator Mr. Pravin Patil came out the coal boiler area and both went to see the actual fire location and the nature of fire. They noticed that the dry grass near recovered solvent tanks caught fire.

4.2	Alarm raised (Information raised)	15:49	Mr. Pravin Patil immediately broke the MCP (manual call point) No.24 in boiler house.
		15:51	Meanwhile Boiler operator also used the fire hose reel No. 21 and started pouring water on grass fire.
			Patil also send his helper Mr. Samshad to alert plant –IV people about fire.
		15:51	Fire alarm panel at security gate No 2 is also got activated. Security officer Dilip Bhaisade checked the fire zone on the panel and ran towards coal boiler house to check whether there is actual fire or it's a false alarm.
		15:53 – 15:58	Bhaisade confirmed the fire and called security gate No 2 (Emergency control station) on extension No. 3302 and asked to buzz main emergency siren.
			Plant IV incharge Manesh Desai came to spot and asked team to take plant shutdown.
			Since SEC (site emergency controller) Mr .Kailas Bharame was not present on duty, the charge of SEC is taken by production head Mr Sandeep Chaudhari. IC (Incident controller) Mr Balkrishna kadam was also on official outdoor duty hence the charge of IC is taken by EHS executive Mr Kalpesh Jadhav.
			Sandeep Chaudhari and Kalpesh Jadhav both rush to site emergency control station at security gate No 2 and confirmed about the emergency type and location. Emergency response team including fire fighters and first aiders also rushed to

			emergency control station. SEC instructed them to start the emergency control actions.
			Sandeep asked Kalpesh to take charge of IC at spot. Kalpesh ran to emergency spot, assessed the gravity of fire and asked SEC to announce partial evacuation. Sandeep asked security team to stop In-Out movement from gate. He also asked them to be ready with headcount. He also asked security to be ready with company emergency vehicle to use in case of any medical emergency.
4.3	Employees evacuated	15:54 – 15: 57	After hearing siren, personnel started moving to assembly point. Only personnel from Plant-II, Warehouse, Engineering building, Plant –III and Plant –IV are asked to evacuate. Emergency team guided them for the evacuation and asked to get assemble at Assembly point – 2 located outside the coal boiler house entry.
			Security personnel and ERT member briefed Admin building and plant – I personnel about emergency and asked not to leave their place till further instructions.
4.4	Rescue team at site	15:59	All on-duty fire fighters Mr.Ankush Gaware, Jitendra Bhalerao, Krishna Talekar, Sangram Sutar, , Mangesh kadam, Sunil Thorave , Patangrao Pratap, First aiders Naushad Ansari, Mangesh Kadam reported to emergency control station and further to emergency spot as instructed by SEC.
			HR coordinator Ashwini karnik also took the charge of assembly point No 2.

4.5	Firefighting and emergency handling	16:00 - 16: 08	IC Kalpesh asked fire fighters to use the fire hydrant point No 12 and start firefighting. Fire fighters connected two hoses and started firefighting. Within a minute the gasket of hydrant point started leaking heavily. Kalpesh instructed to stop the firefighting from that hydrant point and use another nearby hydrant point No. 17 Fire fighters immediately used the hydrant point No. 17 and started the fire fighting.
			Meanwhile plant IV incharge Manesh Desai instructed fire fighter Patangrao Pratap to use the fire monitor and give cooling to recovered solvent tanks. Pratap used the fire monitor No. 04 and started pouring fire water on solvent tanks for cooling purpose.
4.6	Assembly point management and head count	16:00 - 16:10	Security guard guided assembled personnel to stands in proper rows.
			HR Coordinator Ashwini karnik briefed about emergency to assembled personnel. She also asked not to get panic and assured for their safety.
			HR coordinator took the head count and cross verified it with security office data. Since it's a partial evacuation she confirmed with all remaining plant/area incharges and found that one person from ETP Mr Pal is missing.
			She immediately reported to incident controller Kalpesh about the same. Kalpesh instruct the first aiders to take search round. During search, it is found that Mr. Pal hit to some MS pipes and tripped while running to assembly point. First aiders used 'four hand

			seat' technique to carry the victim Mr pal. They took him to site occupational health center and given the first aid. HR coordinator and incident controller finally confirmed and tally the head count.
4.7	Emergency management & 'all clear'	16:10 – 16:20	Incident controller Kalpesh Jadhav informed Site Emergency Controller Sandeep Chaudhari about the action taken at incident spot and the fire is extinguished completely.
			SEC Sandeep Chaudhari also went to cross check the incident spot, discussed with incident controller, area incharge and fire fighters. He took the entire area round and ensured that everything is safe.
			SEC & IC came back to assembly point and briefed the assembled personnel about the incident and its controlling. SEC announced for 'all clear'
		16:20-16:28	Observer Swati Chaudhari and Ajay Asodekar shared their views with ERT members and given the suggestions for improvement. They also expressed thanks to ERT members for their active role played in mock drill. All assembled personnel returned to their workplace safely.

5.0 FEATURES OF THE DRILL:-

Mock drill as per factories act is carried out at ABL Ambernath site to assess the effectiveness of Onsite Emergency Plan.

The mock drill is conducted on the day when site emergency controller (site head) is absent and incident controller (EHS Manager) is also on official outdoor duty. The objective is to evaluate the performance of ERT (emergency response team) during such condition.

6.0 OVERALL ASSESSMENT OF PREPAREDNESS FOR EMERGENCIES:-

Emergency preparedness of all ERT members found good. Communication among all ERT members was maintained perfectly. Role played by all the members as per mentioned in OSEP – Onsite Emergency Plan.

7.0 AREAS OF IMPROVEMENT:-

NO.	OBSERVATIONS	ACTION PLAN	TARGET DATE
1	Arrangement of drinking water to be done at assembly point	Water jar provided at security gate No. 2 will be used at assembly point herein onwards.	As and when
2	Operational trial of all fire hydrant post to be conducted periodically.	Scheduling for operational trial of all fire hydrant post to be prepared and implemented.	Scheduling- 20-11-2021 Trial- ongoing
3	More fire fighters to be trained which will help in emergency better way.	20% fire fighters from existing FF team will be replaced with new one.	31-12-2021

8.0 REMARKS:-

The overall preparedness of people & emergency response team was assessed through the mock drill and found effective.

Such periodic mock drills helps organization to understand the gaps so that the identified areas can be further improved to deal with any type of probable emergency.

1. EHS Manager
(Mr. Balkrishna kadam)

1. Factory Manager
(Mr. Kailas Bharambe)

GLIMPSE OF MOCKDRILL















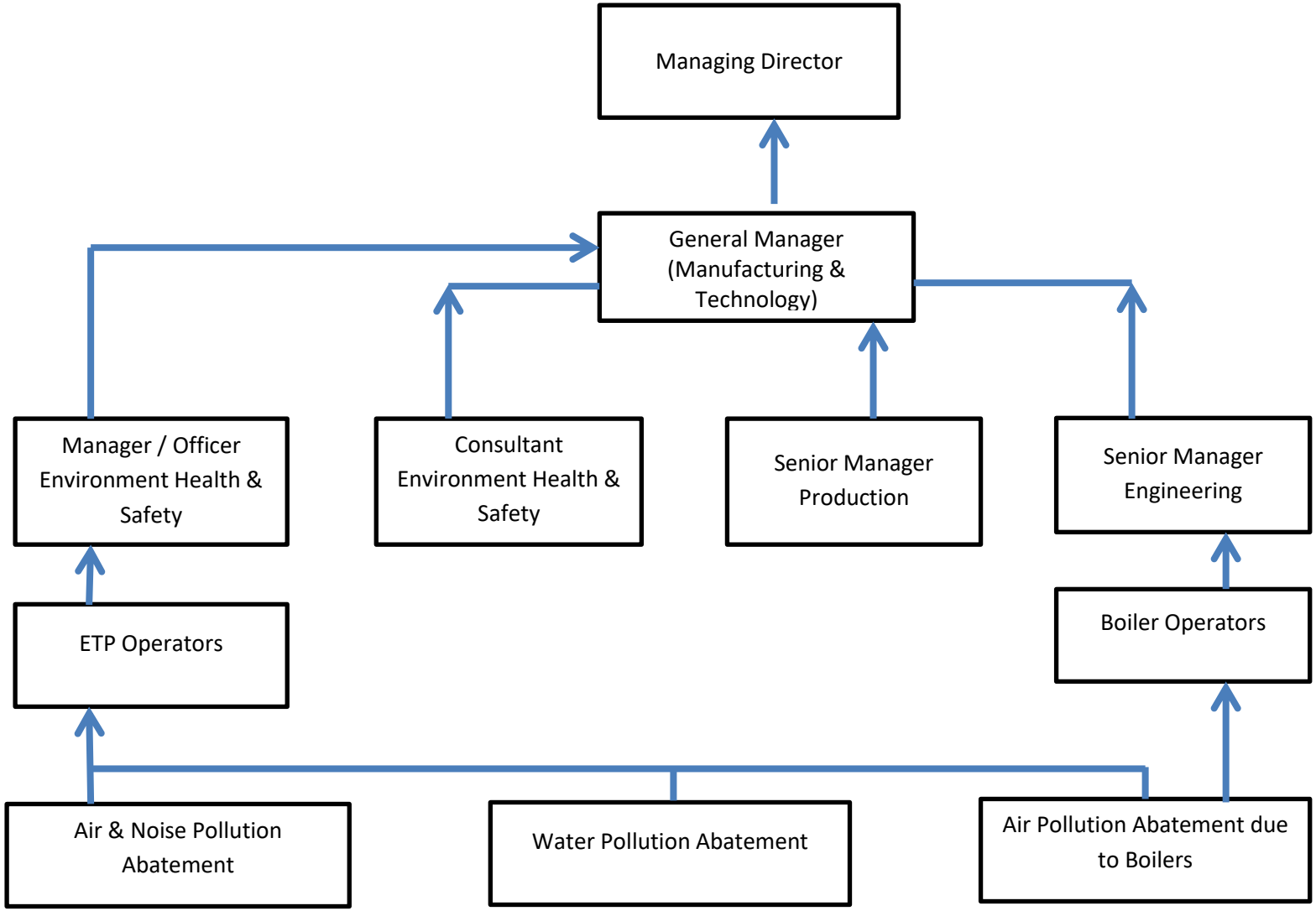

Thank you.

Annexure – XVIII

Copy of Organization chart.

M/s. ATUL BIOSCIENCE LTD

ENVIRONMENT CELL



Annexure – XIX

Copy of newspapers

MULTIMETALS LIMITED

Regd Office: Heavy Industries Area, Kansua Road, Kota-324003
Phone No: +91 744-7118519, **Email:** roc@multimetals.in
CIN-L27101RJ1962PLC001519

NOTICE

Pursuant to the Regulation 29 read with Regulation 47 of the Securities and Exchange Board of India (Listing obligations and Disclosure Requirements) Regulations, 2015, notice is hereby given that the meeting of the Board of Directors of the Company inter alia to consider and approve the un - audited financial result of the company for the quarter ended 30th June, 2020 will be held on Tuesday,15th September, 2020 at 3.00 P.M.

The said Notice will be accessed on the Company's website at www.multimetals.in and also be accessed on the Stock Exchange website at www.cse-india.com.

For Multi Metals Limited
Sd/-
B. S. Tanwar
Company Secretary

Place: Kota
Date : 10th September,2020

Public Notice
As per EC Condition
(XIX)

Our Active Pharma Ingredients (API) and intermediates manufacturing plant on Plot No. N-37, located at Additional Ambernath MIDC, Maharashtra was accorded the Environmental Clearance for the proposed expansion (Change in Product Mix) on 26.06.2020 from the Government of Maharashtra, Mumbai. The copies of clearance letter are available with Maharashtra Pollution Control Board and may also be seen on the Department of Environment, Government of Maharashtra web site at

https://parivesh.nic.in

Atul Bioscience Ltd.

PUBLIC NOTICE

TAKE NOTICE THAT Mr. Sureshchandra Biharilalji Lodha, Mrs. Manju Sureshchandra Lodha and Mr. Ketan Sureshchandra Lodha are negotiating with my clients for acquiring all their right, title and interest in respect of commercial premises described in the Schedule hereto below free from all encumbrances. It is also represented by the above named Vendors to my clients that original title Agreement executed by and between Mr. P. J. Vakil, Partner of Ideal Gas Service and the Developers/ Builders in respect of subject commercial premises is lost and/or misplaced.

Any person having any claim or right in respect of the said premises by way of inheritance, share, sale, mortgage, lease, lien, licence, gift, possession or encumbrance howsoever or otherwise is hereby required to intimate to the undersigned within 14 days from the date of publication of this notice of their such claim, if any, with all supporting documents failing which the transaction shall be completed without reference to such claim and the claims, if any, of such person shall be treated as waived and not binding on my clients.

THE SCHEDULE ABOVE REFERRED TO:-

Shop No. 4 on the ground floor of the building known as "Shobhana" belonging to Triveni Sangam Co-op. Housing Society Limited situated at Plot No. 46, Tilak Road, Santacruz (West), Mumbai 400 054 together with five fully paid up shares of Rs. 50/- each bearing Distinctive Nos. 61 to 65 (both inclusive) comprised under Share Certificate No. 13 on the plot of land bearing C.T.S. No. H-103/104 of Village Bandra-H, Taluka – Andheri, Mumbai Suburban District.

Aspire Home Finance Corporation Limited

Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite ST Depot, Prabhadevi, Mumbai-400025.
Email :- info@ahfcl.com **CIN :-** U65923MH2013PLC248741

POSSESSION NOTICE (FOR IMMOVABLE PROPERTY/IES)

Whereas the undersigned being the Authorised Officer of the Aspire Home Finance Corporation Ltd. under the Securitisation and Reconstruction of Financial Assets & in compliance of Rule 8(1) of Enforcement of Security Interest Act, 2002, and in exercise of powers conferred under section 13(12) read with Rule 3 of the Security Interest (Enforcement) Rules 2002, issued demand notice/s on the date mentioned against each account calling upon the respective borrower/s to repay the amount as mentioned against each account within 60 days from the date of notice(s)/date of receipt of the said notice/s.

The borrower/s having failed to repay the amount, notice is hereby given to the borrower/s and the public in general that the undersigned has taken possession of the property/ies described herein below in exercise powers conferred on him/her under Section 13(4) of the said Act read with Rule 8 of the said Rules on the dates mentioned against each account.

The borrower/s in particular and the public in general is hereby cautioned not to deal with the property/ies and any dealing with the property/ies will be subject to the charge of Aspire Home Finance Corporation Ltd., for the amount and interest thereon as per loan agreement. The borrowers' attention is invited to provisions of Sub-section (8) of Section13 of the Act, in respect of time available, to redeem the secured assets.

Sr. No.	Loan Agreement No. /Name of the Borrower/Co Borrower/Guarantor	Demand Notice date & Amount	Date of possession Taken	Description of the Property/ies mortgaged
1.	LXVAS00117-180057241 Dhanesh Ramchandra Sawant & Priti Dhanesh Sawant	18-08-2018 for Rs. 1698959/-	05-09-2020	Flat No 306,3rd Floor,A Wing, Nilkanth Village, Sajjan, Taluka - Vikramgad, District- Palghar 401605 Thane Maharashtra

Sd/-
Authorized Officer,
(Aspire Home Finance Corporation Ltd.)

Place : Maharashtra
Dated : 10-09-2020

SBI State Bank of India

BRANCH-SARB THANE (11697):- 1st Floor, Kerom,Plot No 112, Circle Road No 22, Wagle Industrial Estate, Thane (W) 400604, **E- mail ID of Branch :** sbi.11697@sbi.co.in. **Landline No. (Office):-** 022-25806861

SALE NOTICE FOR SALE OF IMMOVABLE PROPERTIES
See Provision to rule 8(6)

E-AUCTION SALE NOTICE FOR SALE OF IMMOVABLE ASSETS CHARGED TO THE BANK UNDER THE SECURITISATION AND RECONSTRUCTION OF FINANCIAL ASSETS AND ENFORCEMENT OF SECURITY INTEREST ACT, 2002 READ WITH PROVISION TO RULE 8(6) OF THE SECURITY INTEREST (ENFORCEMENT) RULES,2002.

Notice is hereby given to the public in general and in particular to the Borrower(s) and Guarantor(s) that the below described immovable property mortgaged/charged to the Secured Creditor, the **PHYSICAL POSSESSION** of which has been taken by the Authorised Officer of State Bank of India, the Secured Creditor, will sold on **"AS IS WHERE IS ", "AS IS WHAT IS " and "WHATEVER THERE IS"** basis and on the terms and conditions specified hereunder.

Name of Authorised Officer	Mr. N.M. Suryawanshi	Mobile No.9004118770

(Property Under Physical Possession of Bank)

Name Of Borrower(s)	Name of Guarantor(s)	Outstanding Dues for Recovery of which Property/ies is/are Being Sold
M/s. Dhara Enterprises Proprietor- Smt. Anita Ashwin Vora	1. Ashwin Jitendra Vora 2. Mrs. Pratima Parekh 3. Mrs. Taraben Parekh	**Outstanding dues: Cash Credit-** Rs.6,69,19,049.21 + Intt. & Charges w.e.f. 31.01.2014 **Demand Notice Date:- 05.02.2014**

Property details:- Gala On Plot of Land bearing No.C-4, Sr. no. 45, Ground Floor in Arihant Industrial Estate No. 2, Dhumal Nagar Waliv, Vasai Road (east), Palghar-401208.
Area-1360 Sq. ft. Reserve Price: Rs.30,00,000.00, EMD: Rs.3,00,000.00.

Earnest Money Deposit (EMD) = 10% of the Reserve Price	Bid Increment Amount = Rs.1,00,000/-

Date and time for submission of request letter of participation / KYC Documents/ Proof of EMD etc. = on or before 28.09.2020, up to 5.00 p.m.

Date & Time of e-Auction = Date:- 30.09.2020 **Time:-** From 10.00 a.m.To 11.00 a.m. with unlimited extensions of 5 Minutes each

Date & Time of inspection of the properties: 19.09.2020 from 12.00 P.M. to 4.00 P.M.

...conditions of the sale, please refer to the link provided in State Bank of India, the Secured

पुण्य नगरी SMART ठाणे-वसई-प
गुरुवार , १० सप्टेंबर २०२०

शैक्षणिक धोरण कोणत्याही देशाच्या विकासाचे द्योतक !

डॉ. वसंत काळपांडे यांचे प्रतिपादन

सफाळे : कोणत्याही देशाचे शैक्षणिक धोरण हे त्या देशाच्या विकासाचे द्योतक आहे. मातृभाषेतील शिक्षणाला विशेष महत्त्व देऊन कौशल्य विकासावर आधारित असलेले नवीन शैक्षणिक धोरण जाहीर झाले आहे. टप्प्याटप्प्याने या धोरणाची अंमलबजावणी होणार आहे. हे धोरण प्रत्येकाने प्रथमतः समजून घेणे आवश्यक आहे, असे परखड मत ज्येष्ठ शिक्षणतज्ज्ञ डॉ. वसंत काळपांडे यांनी व्यक्त केले. लायन्स क्लब ऑफ सफाळेच्या माध्यमातून 'शिक्षणाच्या आधुनिक वाटा' या विषयावर ऑनलाइन वेबिनार नुकतेच उत्साहात पार पडले. यावेळी प्रमुख वक्ते म्हणून डॉ. काळपांडे बोलत होते.

सुमारे ३४ वर्षांनंतर केंद्र सरकारने नवीन शैक्षणिक धोरणाला २९. जुलै २०२० रोजी मान्यता दिली आहे. या धोरणात इयत्ता पाचवीपर्यंतचे विषय मातृभाषेतून शिकवले गेले पाहिजे, असे म्हटले आहे, परंतु हे बंधनकारक नाही. समूह शाळेच्या संकल्पनेबरोबर महाविद्यालयीन विद्यार्थ्यांना आपल्या आवडीच्या विषयात पदवी किंवा पदव्युत्तर शिक्षण घेता येईल. नवीन शैक्षणिक धोरणात ५+३+३+४ असा आकृतीबंध असून, अनेक स्वागतार्ह बदल या धोरणात केले आहेत. २०३० पर्यंत हे धोरण पूर्णपणे अंमलात येईल, अशी अपेक्षाही त्यांनी व्यक्त केली.

या वेळी मुंबई येथील शारीरिक शिक्षण महाविद्यालयाचे प्राचार्य डॉ. गो. वी. पारगावकर यांनी अनुभवातून अनुभूती असे शिक्षण अपेक्षित असून, प्रत्यक्ष धोरण आणि त्याची अंमलबजावणी यात खूप फरक आहे, असे सांगून प्रत्येक शाळेत २५० विद्यार्थ्यांमागे एक शारीरिक शिक्षण शिक्षक हे १९६८ च्या धोरणात नमूद असूनही आजतागायत त्याची काटेकोरपणे अंमलबजावणी केली गेली नाही. शासनाने शारीरिक शिक्षण विषय आणि शिक्षकांकडे गांभीर्याने लक्ष देणे आवश्यक आहे. विद्यार्थ्यांच्या व्यक्तिमत्त्व समृद्धीसाठी शिक्षणाबरोबर आरोग्य शिक्षण व शारीरिक शिक्षण अत्यंत महत्त्वाचे असल्याचे त्यांनी अधोरेखित केले.

प्रसिद्ध शिक्षणतज्ज्ञ निलेश निमकर यांनी नवीन शैक्षणिक धोरणात बाल शिक्षणाला अत्यंत महत्त्वाचे स्थान देण्यात आले आहे. या धोरणात बालवाडीपासून इयत्ता दुसरीपर्यंतचे शिक्षण हा बाल शिक्षणाचा भाग असेल. बालसंगोपन आणि बालशिक्षण देणाऱ्या व्यक्तींसाठी व्यावसायिक प्रशिक्षण निर्मिती त्या त्या राज्याने करावयाची आहे, असे सांगितले. यावेळी शिक्षकांच्या विविध शंकांचे शिक्षण तज्ज्ञांनी निराकरण केले. या वेबिनारचे उद्घाटन डिस्ट्रिक गव्हर्नर शशिकांत मोध यांच्या हस्ते झाले. यावेळी विशेष अतिथी म्हणून डॉ. जोतिबा कडाली उपस्थित होते. याप्रसंगी सफाळे लायन्स क्लबचे अध्यक्ष ॲड. तारानाथ वर्तक यांनी नवीन शैक्षणिक धोरणाबद्दल शिक्षण क्षेत्रात कार्यरत असलेल्यांना उद्बोधन करण्याबाबत वेबिनारचे आयोजन करण्यात आल्याचे सांगितले. प्रास्ताविकात प्रोजेक्ट चेअरमन प्रमोद पाटील यांनी शासनाच्या थँक्स अ टीचर अभियानाअंतर्गत समाजात शिक्षकांचे स्थान अत्यंत मोलाचे असून, शिक्षकांप्रति आदरभाव व्यक्त करण्यासाठी हा उपक्रम राबवण्यात आला असे सांगितले. लायन्स क्लब ऑफ सफाळे सेक्रेटरी दिनकर वर्तक यांनी आभार मानले.

केडीएमसीची मालमत्ता कराच्या ५ टक्के सवलतीस ३० सप्टेंबरपर्यंत मुदतवाढ

कल्याण : कल्याण-डोंबिवली महापालिकेतर्फे मालमत्ता कराची संपूर्ण रक्कम रोख, ऑनलाइन अथवा धनादेशाद्वारे या आर्थिक वर्षाच्या ३१ ऑगस्टपर्यंत भरणाऱ्या करदात्यास मालमत्ता करात ५ टक्के सवलत देण्यात आली होती. आता या सवलतीला ३० सप्टेंबरपर्यंत मुदतवाढ देण्यात आली आहे. लॉकडाऊनमुळे नागरिकांच्या उत्पन्नावर मोठा परिणाम झाला आहे. त्यातच पालिकेने आता मालमत्ता कर आणि पाणी बिले पाठवल्यामुळे नागरिक चांगलेच त्रस्त झाले आहेत. ३१ ऑगस्टपूर्वी एकरकमी कर भरल्यास ५ टक्के सवलत देण्याचे पालिकेने यापूर्वी जाहीर केले होते. मात्र या कालावधीत अनेक नागरिकांना कराचा भरणा करता आला नाही. त्यामुळे ही सवलत एक महिन्यासाठी वाढवण्याची मागणी सभागृह नेते प्रकाश पेणकर यांनी आयुक्तांकडे केली होती. त्याची दखल घेत आयुक्त डॉ. सूर्यवंशी यांनी या

Annexure – XX

Copy of EC is submitted to Ambernath Municipal council.

पोहच पत्र

	22202000019023	नोंदणी दिनांक :	03/11/2020 04:11:26 PM
नाव	Atul Bioscience ttd		
पक्षकार			
कार्यवर्ग	खाजगी कंपनी		
कार्यवर्ग(उप)	खाजगी कंपनी		
पत्र क्रमांक		पत्र दिनांक	: 03-NOV-20
प्रकार	सामान्य पत्र	पत्राचा वर्ग	: सर्वसाधारण पत्र
वर्गवारी	सर्वसाधारण		
निर्देशित	करनिर्धारण विभाग		
विषय	Intimation about receipt of Environment clearnce		
जोडलेले	yes		

: भविष्यात पुढील पत्र व्यवहारासाठी वरील नोंदणी क्रमांकाचा उपयोग केला जाईल.

Atul Bioscience Ltd

Plot N-37, Additional Ambernath Industrial Area, MIDC, Anand Nagar
MMR Zone-II, Ambernath (East) 421 506, Maharashtra, India
pharma@atul.co.in | www.atulblo.co.in

November 03, 2020

To,

The Chief Officer

Ambernath Municipal Council,

Ambernath (West)

SUB: Intimation about receipt of Environment clearance.

Dear Sir/Madam,

We, Atul Bioscience Ltd, located at Plot No. N-37, Additional Industrial area, MIDC, Anand Nagar, Ambernath (E), Dist: Thane – 421506, intimate you that our Active Pharma Ingredients (API) and intermediates manufacturing plant is accorded the Environmental Clearance for proposed expansion (Change in Product Mix) - SIAIMH/IND2/152225/2020 from the Environment department, Government of Maharashtra, Mumbai.

A copy of Environment clearance is attached herewith for your information please.

Thanking You,

For Atul Bioscience Ltd, Ambernath

Kailas.

Mr. Kailas Bharambe

(GM – Manufacturing and Technology)

Annexure – XXI

Ambient air quality monitoring report.

Ashwamedh
Engineers & Consultants
Laboratory Services Division

TC-5509

Ashwamedh Engineers & Consultants
Survey No. 102, Plot No.26, Wadala Pathardi Road,
Indira Nagar, Nashik - 422009, Maharashtra, India
(Near Guru Gobind Singh School, Near Pandav Nagari,
Turn at Sai Mandir Chowk / Samrat Sweet Turning)
sales@ashwamedh.net +91-253-2392225

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/09/21/5981	Report No.: AA/09/21/5981	Report Date	23/09/2021
Name & Address of Customer	**Atul Bioscience Ltd.** Plot No. N-37, Additional MIDC, Ambernath (East) 421506 Maharashtra		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Near Main Gate 1	Date-Sampling	17/09/2021 to 18/09/2021
/Sample Quantity/ Packing	PM_{10}, BaP, Metals: Filter paper 1 x 3 no. $PM_{2.5}$: Filter paper 1 x 1 no. SO_2: 30 ml x 6 no. plastic bottle NO_2: 30 ml x 6 no. plastic bottle NH_3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C_6H_6: 6 no. charcoal tubes CO:1 no. bladder	Date-Receipt of Sample	19/09/2021
Sampling Procedure	As per Method Reference	Date-Start of Analysis	20/09/2021
Order Reference	As per PO No. PO_12212200596 Dated 03.06.2021	Date-Completion of Analysis	23/09/2021

Meteorological Data / Environmental Conditions

Average Wind Velocity	Wind Direction	Relative Humidity	Temperature	Duration of Survey
8 km/h	NW	(Max./Min.): 69/57%	(Max./Min.):30/27°C	24 h

Parameter	Results	NAAQS # 2009	Unit	Method
CHEMICAL TESTING				
Sulphur Dioxide (SO_2)	**7.3**	80	µg/m³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO_2)	**23.6**	80	µg/m³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM_{10}	**69**	100	µg/m³	IS 5182 (Part 23): 2006,RA 2017
Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	**33**	60	µg/m³	USEPA CFR 40, Part 50, Appendix L
Ozone (O_3)	**<19.6**	180	µg/m³	AWMA,3rd Ed., Method 411,Page no. 403,1988
Lead (Pb)	**<0.02**	1	µg/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999
Carbon Monoxide (CO)	**1.2**	4	mg/m³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH_3)	**<4**	400	µg/m³	AEC/C/SAP/AA-7
Benzene (C_6H_6)	**<1**	5	µg/m³	IS 5182 (Part 11) : 2006, RA 2017
Benzo (a) Pyrene (BaP) - particulate phase only	**<0.2**	1	ng/m³	IS 5182 (Part 12): 2004,RA 2019
Arsenic (As)	**<0.3**	6	ng/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999
Nickel (Ni)	**<3**	20	ng/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999

TWA Time Weighted Average

\# NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants

End of Report

Note:
1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without written approval of the laboratory.
3. In case sampling is not done by laboratory, the results apply to the sample as received.
4. There are no additions to, deviation or exclusions from the method.

Ashwamedh Engineers & Consultants
Laboratory Services Division
TC-5509
Ashwamedh Engineers & Consultants
Survey No. 102, Plot No.26, Wadala Pathardi Road,
Indira Nagar, Nashik - 422009, Maharashtra, India
(Near Guru Gobind Singh School, Near Pandav Nagari,
Turn at Sai Mandir Chowk / Samrat Sweet Turning)
sales@ashwamedh.net +91-253-2392225

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/09/21/5982	Report No.: AA/09/21/5982	Report Date	23/09/2021
Name & Address of Customer	**Atul Bioscience Ltd.** Plot No. N-37, Additional MIDC, Ambernath (East) 421506 Maharashtra		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Near Gate no. 2	Date-Sampling	17/09/2021 to 18/09/2021
Sample Quantity/ Packing	PM_{10}, BaP, Metals: Filter paper 1 x 3 no. $PM_{2.5}$: Filter paper 1 x 1 no. SO_2: 30 ml x 6 no. plastic bottle NO_2: 30 ml x 6 no. plastic bottle NH_3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C_6H_6: 6 no. charcoal tubes CO:1 no. bladder	Date-Receipt of Sample	19/09/2021
Sampling Procedure	As per Method Reference	Date-Start of Analysis	20/09/2021
Order Reference	As per PO No. PO_12212200596 Dated 03.06.2021	Date-Completion of Analysis	23/09/2021

Meteorological Data / Environmental Conditions

Average Wind Velocity	Wind Direction	Relative Humidity	Temperature	Duration of Survey
8 km/h	NW	(Max./Min.): 69/57%	(Max./Min.):30/27°C	24 h

Parameter	Results	NAAQS # 2009	Unit	Method
Sulphur Dioxide (SO_2)	**7.7**	80	µg/m³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO_2)	**28**	80	µg/m³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM_{10}	**82**	100	µg/m³	IS 5182 (Part 23): 2006,RA 2017
Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	**43**	60	µg/m³	USEPA CFR 40, Part 50, Appendix L
Ozone (O_3)	**<19.6**	180	µg/m³	AWMA,3rd Ed., Method 411,Page no. 403,1988
Lead (Pb)	**<0.02**	1	µg/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999
Carbon Monoxide (CO)	**1.7**	4	mg/m³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH_3)	**<4**	400	µg/m³	AEC/C/SAP/AA-7
Benzene (C_6H_6)	**<1**	5	µg/m³	IS 5182 (Part 11) : 2006, RA 2017
Benzo (a) Pyrene (BaP) - particulate phase only	**<0.2**	1	ng/m³	IS 5182 (Part 12): 2004,RA 2019
Arsenic (As)	**<0.3**	6	ng/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999
Nickel (Ni)	**<3**	20	ng/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999

TWA Time Weighted Average

\# NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

B Shewale

Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants

End of Report

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Ashwamedh
Engineers & Consultants
Laboratory Services Division

TC-5509

Ashwamedh Engineers & Consultants
Survey No. 102, Plot No.26, Wadala Pathardi Road,
Indira Nagar, Nashik - 422009, Maharashtra, India
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Turn at Sai Mandir Chowk / Samrat Sweet Turning)
sales@ashwamedh.net +91-253-2392225

AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/09/21/5983	Report No.: AA/09/21/5983	Report Date	23/09/2021

Name & Address of Customer	**Atul Bioscience Ltd.** Plot No. N-37, Additional MIDC, Ambernath (East) 421506 Maharashtra		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Near ETP Plant	Date-Sampling	17/09/2021 to 18/09/2021
Sample Quantity/ Packing	PM_{10}, BaP, Metals: Filter paper 1 x 3 no. $PM_{2.5}$: Filter paper 1 x 1 no. SO_2: 30 ml x 6 no. plastic bottle NO_2: 30 ml x 6 no. plastic bottle NH_3: 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C_6H_6: 6 no. charcoal tubes CO:1 no. bladder	Date-Receipt of Sample	19/09/2021
Sampling Procedure	As per Method Reference	Date-Start of Analysis	20/09/2021
Order Reference	As per PO No. PO_12212200596 Dated 03.06.2021	Date-Completion of Analysis	23/09/2021

Meteorological Data / Environmental Conditions

Average Wind Velocity	Wind Direction	Relative Humidity	Temperature	Duration of Survey
10 km/h	NW	(Max./Min.): 69/54%	(Max./Min.):30/25°C	24 h

Parameter	Results	NAAQS # 2009	Unit	Method
Sulphur Dioxide (SO_2)	**7.8**	80	µg/m³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO_2)	**25.6**	80	µg/m³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM_{10}	**75**	100	µg/m³	IS 5182 (Part 23): 2006,RA 2017
Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	**39**	60	µg/m³	USEPA CFR 40, Part 50, Appendix L
Ozone (O_3)	**<19.6**	180	µg/m³	AWMA,3rd Ed., Method 411,Page no. 403,1988
Lead (Pb)	**<0.02**	1	µg/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999
Carbon Monoxide (CO)	**1.30**	4	mg/m³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH_3)	**<4**	400	µg/m³	AEC/C/SAP/AA-7
Benzene (C_6H_6)	**<1**	5	µg/m³	IS 5182 (Part 11) : 2006, RA 2017
Benzo (a) Pyrene (BaP) - particulate phase only	**<0.2**	1	ng/m³	IS 5182 (Part 12): 2004,RA 2019
Arsenic (As)	**<0.3**	6	ng/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999
Nickel (Ni)	**<3**	20	ng/m³	EPA/625/R-96/010 a Compendium Method IO-3.1 & 3.2, Jun 1999

TWA Time Weighted Average
\# NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

B Shewale
Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants

End of Report

Note:
1. The result listed refers only to the tested sample(s) and applicable parameter(s).
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4. There are no additions to, deviation or exclusions from the method.

Annexure –XXII

Copy of Environmental statement Form-V

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000036475	23-09-2021

PART A

Company Information

Company Name	***Application UAN number***
ATUL BIOSCIENCE LIMITED	MPCB-CONSENT-0000091796

Address

Plot No. N-37, Addl. Ambernath Industrial area, anand nagar MIDC, Ambernath (E), Dist- Thane. 421506

Plot no	***Taluka***	***Village***
N-37	Ambernath	Ambernath (MIDC area)
Capital Investment (In lakhs)	***Scale***	***City***
56 Crore	LSI	Ambernath
Pincode	***Person Name***	***Designation***
421506	Mr. Kailas Murlidhar Bharambe	GM-Manufacturing & Technology
Telephone Number	***Fax Number***	***Email***
02512621667	0	kailas_bharambe@atulbio.co.in
Region	***Industry Category***	***Industry Type***
SRO-Kalyan II	Red	R58 Pharmaceuticals
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format 1.0/CC/UAN No. 0000091796/CO 2009000474	2020-09-09
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
31/12/2020	2007	Sep 10 2020 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Chlorobutanol	40	17.619	MT/A
Metoprolol Tartrate	80	16.632	MT/A
Metoprolol Succinate	30	22.999	MT/A
Fluconazole	40	17.837	MT/A

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***

NA	0	0	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	60.00	5.00
Cooling	160.00	51.00
Domestic	30.00	12.00
All others	0.00	0.00
Total	250.00	68.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	110	6	CMD
Domestic Effluent	22	6	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
API	7	6	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
RM List enclosed in attachment	0	0	Kg/Annum

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	9600	3383	
Diesel	102	1.21	Ltr/Hr
FO	40	0.25	Ltr/Hr

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
COD	6	42.5	0	250	NA
BOD	6	13.25	0	100	NA
TDS	6	450	0	2100	NA
Suspended solid	6	11.25	0	100	NA
Oil & Grease	6	0.9	0	10	NA
Free Ammonia	6	0.1	0	5	NA
Nitrate	6	1.06	0	20	NA

Sulphide	6	0.08	0	2	NA
Phenolic compound	6	0.001	0	1	NA

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
Total Particulate matter (TPM)	0	42.75	0	150	NA
SO2	0	20	0	96 KG/DAY	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
37.3 Concentration or evaporation residues	0	7.812	MT/A
28.1 Process Residue and wastes	0.092	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
35.3 Chemical sludge from waste water treatment	0.188	0.188	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
Empty MS and fiber drum	0	810	Nos./Y

2) From Pollution Control Facilities

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

3) Quantity Recycled or Re-utilized within the unit

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

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	***Qty of Hazardous Waste***	***UOM***	***Concentration of Hazardous Waste***
35.3 Chemical sludge from waste water treatment	0.188	MT/A	Disposed to CHWTSDF (MWML Taloja)
37.3 Concentration or evaporation residues	7.812	MT/A	Disposed to CHWTSDF (MWML Taloja)

2) Solid Waste

Type of Solid Waste Generated	***Qty of Solid Waste***	***UOM***	***Concentration of Solid Waste***

NA	0	MT/A	NA

Part-G

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

Description	*Reduction in Water Consumption (M3/day)*	*Reduction in Fuel & Solvent Consumption (KL/day)*	*Reduction in Raw Material (Kg)*	*Reduction in Power Consumption (KWH)*	*Capital Investment(in Lacs)*	*Reduction in Maintenance(in Lacs)*
Recycle of treated water for utilities	6	0	0	0	400	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Periodic Environmental monitoring carried out by authorized laboratory	Monitoring of stack emission, noise level and water quality	2.1
Hazardous waste disposal	H.W dispose through CHWTSDF	0.5
O & M of online effluent monitoring system	Compliance to MPCB consent water quality	1.2
ETP Equipment maintenance	Smooth operation of ETP	1.5
O & M third party trained manpower cost	Smooth operation of ETP	15.84
Improvement is hazardous waste storage area	For scientific storage and handling of hazardous waste	7
Tree Plantation	Tree plantation at and around site	1.5
Garden maintenance and fertilizer	Experienced persons deployed for garden maintenance	8.5
ETP process and lab chemicals	Dosing chemicals for effluent treatment and lab chemicals for effluent analysis	2.5

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
Installation of sewage treatment plant	To treat domestic effluent stream	30

Part-I

Any other particulars for improving the quality of the environment.

Particulars

1)Dedicated manpower is deployed for the operation of ETP. 2) In house well-equipped lab for effluent analysis 3) Implemented ISO 14001 - Environmental management system 4) Conducted environment audit by external expert

Name & Designation

Mr Kailas M. Bharambe

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000036475

Submitted On:

23-09-2021