



Aarti Drugs Limited

Manufacturers of : Bulk Drugs & Chemicals

Factory : Plot No. T-150,
M.I.D.C., Tarapur, Tal. Palghar,
Dist. Palghar Pin - 401 506.
State - Maharashtra, INDIA
Web. : www.aartidrugs.com
Mob.: 9172225037

08 June, 2021

To,
The Director,
Ministry of Environment & Forests,
Regional Office, (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines, Nagpur – 440001

Ref: Environmental Clearance letter no. SEAC-2014/CR-392/TC-2 dated 28th January 2016, granted by SEIAA, Govt. Of Maharashtra.

Dear Sir,

Subject: Submission of Consolidated EC compliance report for Aarti Drugs Ltd., for proposed manufacturing of organic chemicals & salts of 3600 MT/Month at Plot no. T-150, MIDC Tarapur, Palghar (Consolidated Six monthly compliance report for duration of January 2021 – June 2021)

We have received the Environment Clearance from State Environment Impact Assessment Authority (SEIAA), Government of Maharashtra on 28th January, 2016 for proposed manufacturing of organic chemicals & salts.

Herewith we are submitting the one consolidated six monthly compliance report for duration of January 2021 – June 2021 in the prescribed format. Report is giving all the details of the project along with the status of the project.

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

1. Current status of Project
2. Monitoring Reports

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

Thanking You,
For Aarti Drugs Ltd.,


Authorized Signatory

1. Present status of the project :

- 1) We have published the advertisement of the obtained Environmental Clearance in the newspapers. Pudhari (Marathi) dated 22/02/2016. We have enclosed the copy of the same.
- 2) Consent to Operate was obtained on 25/02/2020. Copy of current CTO is attached herewith.

2. Point by Point comment on Environment Clearance letter

Sr No	Terms and conditions in EC	Compliance
I	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land is used for any activity of the project.
li	This environmental clearance is issued subject to implementation of online air monitoring facility equipment.	Online air monitoring facility will be installed as early as possible.
lii	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	The said dust emission controls were followed during construction & production activity.
lv	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	Ambient Air monitoring was done regularly at our manufacturing unit. The frequency has been decided in consultation with MPCB officials. Monitoring reports are attached.
v	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	We are not using furnace oil. We are using coal or briquette. Proper arrangement is made for fuel storage area.
vi	Proper Housekeeping programmes shall be implemented.	Proper Housekeeping programmes were implemented.
vii	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Yes, agreed & noted.
viii	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)	A stack of adequate height based on DG set capacity is provided for control and dispersion of pollutant from DG set.
ix	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rain water harvesting system implemented at project site & tank of 300 m ³ is installed. Collected water is used for utility consumption.

x	Arrangement shall be made that effluent and storm water does not get mixed.	We have made proper arrangement so that effluent & storm water does not get mixed.
xi	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	Not applicable as source of water is MIDC.
xii	Leq of 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.	Noise levels are maintained as per standards by implementing various control measures. Proper PPE are provided for people working in high noise areas.
xiii	The overall noise levels in and around the plant are shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods. Silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	Noise levels in and around the plant are well within the standards. Noise monitoring is being done regularly. Reports for the same are attached. All reports are well within standards prescribed by MPCB.
xiv	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.	Green belt is well developed and maintained on 1127 Sq.m area. Total 150 trees planted and green belt developed in plant.
xv	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.	Company has full-fledged safety and fire department with implementation & monitoring of adequate safety measures. Risk Analysis, On - Site Emergency plan is prepared and regularly updated. Leak detection system is installed at strategic places.
xvi	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Medical checkup of the all workers are regularly done.
xvii	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire fighting system is already available at project site.
xviii	The project authorities must strictly comply with the rules and regulations with regard to handling	The company is strictly complying with the rules and regulations with regard

	and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections / treatment / storage / disposal of hazardous wastes.	to handling and disposal of hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. We have already taken permission from CHWTSDf. Consent to establish & operate obtained from MPCB. (We have received the CTO & CTE from MPCB and we are strictly adhered to the stipulations, terms & conditions mentioned herein.)
xix	<p>The company shall undertake following Waste Minimization Measures :</p> <ul style="list-style-type: none"> a) Metering of quantities of active ingredients to minimize waste. b) Reuse of by – products from the process as raw materials or as raw material substitutes in other process. c) Maximizing Recoveries. d) Use of automated material transfer system to minimize spillage. e) Use of “Closed Feed” system into batch reactors. 	<p>Followed as per the requirement:</p> <ul style="list-style-type: none"> (a) All raw materials are metered and controlled for its quantities to minimize waste. (b) There were no by-products are generating from process. (c) Recovered solvents are reused in processes. (d) Pumps are used to transfer liquids in closed pipelines. (e) Closed hoppers are provided for solid material charging in reactors.
xx	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.	Regular fire and safety training's, mock drills are carried out.
xxi	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	We have separate environment management cell for implementation of the stipulated environmental safeguards.
xxii	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	Transportation of ash is carried out through closed containers and all measures are regularly taken to prevent spilling of the ash.
xxiii	Separate silos will be provided for collecting and storing bottom ash and fly ash.	Proper arrangement is provided for collection & storage of bottom ash and fly ash.
xxiv	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	Already done.

	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.	
xxv	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://envis/maharashtra.gov.in .	The advertisement of the obtained Environmental clearance was published in the newspaper, Pudhari dated 22/02/2016.
xxvi	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 1 st June & 1 st December of each calendar year.	Noted & being done.
xxvii	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.	Noted & Agreed We have not received any suggestions and representations while processing the proposals from concerned Panchayat, Zilla Parishad / Municipal Corporation, Urban local and the local NGO. Hence this clearance copy not given to them but informed in the various meetings.
xxviii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB and the SPCB. The criteria pollutants levels namely; SPM, RSPM, SO ₂ NO _x (ambient levels as well as stack emissions) or critical sectorial 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.	Noted & being done.

xxix	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 & being done.
xxx	The environmental statement for each financial year ending 31 st March in form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986., as amended subsequently, shall also be put on the 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.	We are regularly submitted environment statement to MPCB.

3. Information in form of Data Sheet

- | | |
|---|---|
| 1. Name & Address/ Location of Project | : Aarti Drugs Ltd.,
Plot No. T-150, MIDC Tarapur, Palghar,
Maharashtra, |
| 2. Clearance letter (s) / No. and date | : File No. SEAC – 2014/CR-392/TC-2
dated 28 th January, 2016. |
| 3. Location | |
| (a) District (s) : Palghar | |
| (b) State (s) : Maharashtra | |
| (c) Latitude : 19°48'00.09"N | |
| (d) Longitude : 72°43'17.04"E | |
| 4. Address for Correspondence | : Aarti Drugs Ltd., |
| Off Address | As above |
| Address of Concerned Project Chief As above
Engineer (with Pin code & telephone/
Telex/ fax number) | |
| 5. Address of Executive Engineer / Manager
with pin code / Fax. No | : Mr. Sanjay B. Patil
Aarti Drugs Ltd,
Plot No. T-150, MIDC Tarapur,
Dist - Palghar. |
| 6. Salient Features | |
| a) About the Project | : Manufacturing of organic chemicals &
salts |
| b) Plans of the environmental management | : Total EMP capital cost 163 lacs. |
| 7. Breakup of the project area: | |
| a) Submergence area: Forest &
Non – Forest | : Not Applicable. |
| b) Others | : Not Applicable. |

8. Breakup of the project affected population with enumeration of those losing houses/ Dwelling units only agricultural land only, both dwelling units & agricultural land & landless labours /artisan : Not Applicable.

Sr. No	Particulars	Area (Sq. Mtr.)
1.	Production Plant Built up	1770
2.	Raw Material Storage	1350
3.	Storage of Chemical	1342
4.	Utility	2720
5.	ETP & Hazardous waste	985
6.	Road & Open Space	4434
7.	Green Belt	1127
8.	Parking	1872
Total		15600

a) SC, ST / Adavasis : --

b) Others: --

9. Financial Details:

a) Project cost as originally planned and : Originally planned – Rs 72.70 Crore

Subsequent revised estimates and the year of price reference.

b) Allocation made for environmental phase year wise breakup : Total EMP cost during operational Management plans with item wise and Capital Rs. 24 lacs.

c) Benefit cost ratio/ internal rate of Return and the year of assessment : --

d) Whether (c) includes the cost of environmental management as shown in the above : Yes

**Cost of Environmental Management Plan (EMP) during operational work in progress
(Rs. Lakhs)**

Sr. No	Particulars	Capital Cost (Lacs.)	Recurring Cost per year (Lacs.)
1	Cost for air pollution control	02.00	20.00
2	Cost for water pollution control	05.00	100.00
3	Cost for noise pollution control	00.50	05.00
4	Environment Monitoring and Management	05.00	10.00
5	Occupational Health	00.50	18.00
6	Green Belt	01.00	10.00
7	Solid waste management	10.00	--
8	CSR	145 Lakhs in next five years	

10. Forest Land Requirement : Not Applicable

- a) The status of approval for diversion of Forest land for non- forestry use.
- b) The status of clearing felling
- c) The status of compensatory afforestation, if any
- d) Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far

11. The status of the clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information : Not Applicable

12. Status of project:

- 1. Environment Clearance -28/01/2016.
- 2. Consent to Operate- 25/02/2020.

13. Reason for the delay if the project is yet to start : Not Applicable

14. Dates of site visits

a) The dates on which the project was : Project was monitored by regional
Monitored by the Regional officer on Officer regularly by doing site visit.
Visit report is attached previous occasions, if any

b) The date of site visits for this monitoring Report : No visit during Jan-21 to Jun-21.

Details of correspondence with project : Not Applicable
authorities for obtaining action plans/
information on status of compliance to
safeguards other than the routine letters for
logistic support for site visits (The first
monitoring report may contain the details
of all the letters issued so far, but the later
reports may cover only the letters
issued subsequently)

ABOUT THE PROJECT

Introduction: M/s. Aarti Drugs Ltd (Aarti) was established way back in 1984. Since its inception, the Company has established a strong presence in the Anti-diarrhoea, Anti-inflammatory therapeutic groups. With its manufacturing facilities at Tarapur and Sarigam, the Company manufactures Vitamins, Anti-arthritis, Anti-fungal, Antibiotics, ACE inhibitors, besides its range in, anti-diabetic, anti-cholinergic, sedatives and antidepressant drugs.

Aarti will be propose a new manufacturing unit with a capacity of 3600 MT/Month products in Organic Chemicals and Salts category at Plot No. T-150 at MIDC Industrial Area Tarapur, Dist.: Palghar, State: Maharashtra.

We have been granted Environmental Clearance letter **File no. SEAC – 2014/CR-392/TC-2 dated 28th January, 2016** granted by SEIAA, Govt of Maharashtra, for manufacturing of organic chemical & salt.

The details are given below in the prescribed format:

A. The Project, its application and the technology: **Industrial Project**

B. Project Details:

LOCATION	Plot No. T-150, MIDC Tarapur, Dist: Palghar.
TYPE OF PROJECT	Manufacturing of organic chemical & salts
OPERATION	Manufacturing of organic chemical & salts
PROJECT COST	72.70 Crores
CAPITAL COST OF POLLUTION CONTROL (AIR, WATER & NOISE)	Capital cost will be Rs.125 Lakhs and recurring cost will be Rs.7.50 Lakhs.
TOTAL AREA	15600 SQM
WATER REQUIRED	471.5 CMD
TRADE EFFLUENT GENERATED	95.5 CMD
DOMESTIC EFFLUENT GENERATED	3 CMD
POWER	Power requirement 2500 KVA
D G SET REQUIREMENT	1250 KVA
GASESOUS EMISSIONS FROM OTHER SOURCESS	Boiler Stack, DG
SOLID WASTE FROM PROCESS	<ul style="list-style-type: none"> ▪ Empty Drums 1000 Nos./M ▪ Spent Carbon / Spent Catalyst 977.35 Kg/M ▪ Residue & Waste 3758.28 Kg/M. <p>All above waste Disposal to CHWTSDf, Taloja.</p>
SOLID WASTE FROM OTHER SOURCES	<ul style="list-style-type: none"> ▪ ETP Sludge 1000 Kg/M ▪ Spent Oil 150 Kg/M ▪ Process Residue & Waste (25% Ammonia) 273 MT/M ▪ Process Residue & Waste (Sodium Hypochlorite Solution) 77.6 MT/M ▪ Process Residue & Waste (Methanol) 316 MT/M ▪ Process Residue & Waste (Glycerin) 5.5 MT/M ▪ Process Residue & Waste (HBr Solution) 216 MT/M ▪ Process Residue & Waste (MDC) 7.8 MT/M

	<ul style="list-style-type: none"> ▪ Process Residue & Waste (Butanol) 1.0 MT/M ▪ Process Residue & Waste (HCL 30%) 43 MT/M ▪ Concentration & Evaporation Residue 15 MT/M <p>All above waste Disposal to CHWTSDF, Taloja / Sale to Authorized party having permission under Rule 9 of HW Rule / Co-processing to Cement Industry through Authorized Pre-processor.</p>
STATUS OF APPROVALS FROM STATUTORY BODIES	Consent to Establish & Consent to Operate are obtained from MPCB

C. Land requirement: Proposed plot is utilized. Detail area statement is as given below:

Sr. No	Particulars	Area (Sq. Mtr.)
1.	Production Plant Built up	1770
2.	Raw Material Storage	1350
3.	Storage of Chemical	1342
4.	Utility	2720
5.	ETP & Hazardous waste	985
6.	Road & Open Space	4434
7.	Green Belt	1127
8.	Parking	1872
Total		15600

d. Water requirement

Total water consumption is 471.50 m³/day.

The water budget for the plant is as follows:

- **Domestic:** 03.50 m³/ day
- **Industrial Process:** 88.00m³/ day
- **Cooling and Boiler:** 365.00 m³/day
- **Gardening:** 15.00 m³/day

TOTAL: 471.50 m³/day

e. Power requirement:

Power requirement: 2500 KVA, DG set of capacity 1250 KVA (1 no.).

EXISTING ENVIRONEMENTAL SETTING IMPACT IDENTIFICATION AND ASSESSMENT

a. Site Topography

Address - Plot No. T-150, MIDC Tarapur, Dist: Palghar.

Climate- Max. Temp 38⁰C Min 10⁰C

The nearest Railways station – Boisar is at 3.5 km. and the nearest Airport Mumbai is at the distance of approx. 110 km from site.

b. Ambient Air Quality

During the monitoring study we had studied ambient air quality of the study area. The Ambient air quality of the existing environment setting was not affected.

c. Setting of Water Environment

Sampling and analysis of the water samples at the site was carried out. It was found that quality of water is in good condition.

d. Soil Quality

Sampling and analysis of the soil samples at the site was carried out. It was found that quality of soil is in good condition.

e. Noise Levels

We have monitored day night noise levels to check the noise levels during activities. There is no noise pollution from the plant. Therefore existing noise level is not affected.

f. Land Use pattern

Industrial: The area where the plant is located on notified industrial area.

Natural Vegetation: No forest area found in the vicinity.

Agriculture/Livestock: There is no agricultural activity in the vicinity of the proposed area.

g. Air Pollution Assessment:

The flue gas characteristics from the Boiler and DG set stack will be monitor regularly. DG set will be run only at the time of power failure which is very rare.

h. Water pollution Assessment:

For trade effluent, ETP consisting of primary, secondary and tertiary treatment is provided. Treated effluent is send to CETP after proper treatment. For domestic effluent is treated in combined treatment in ETP.

III. MITIGATION MEASURES:

a. Process emissions and controls

Process emissions are from Boiler and process stacks. To control the pollution air emissions are regularly monitored. If the emissions are found to be exceed the prescribed limit, corrective actions being taken accordingly.

b. Solid waste

Solid waste generated from process will be sent to CHWSTDF at Taloja.

c. Water pollution control

For trade effluent full fledge ETP is provided. For domestic combined treatment in ETP is provided.

d. Green belt development:

Adequate green belt is available at the site.

e. Environmental Management Plan:

For proper environmental management of the site including maintenance of all facilities outlined earlier, staffs are trained for operation of various pollution measuring equipments during monitoring. Engineering staff for maintenance will be made available from maintenance department.

f. General safety precautions and industrial hygiene

- Adequate numbers of fire extinguishers are provided.
- All workers has provided with safety wears like hand gloves, goggles, safety shoes, helmets etc. for protection.
- Safety relief valves will be provided wherever necessary.
- Safety belts are provided wherever necessary.
- First aid facilities with medical attention have been given to workers.

IV. ENVIRONEMNTAL IMPACT STATEMENT**1. Land Use:**

Our unit is in Notified Industrial Estate, so no agricultural activity is present in the vicinity. Thus land use pattern will not be altered except during erection phase which may change the land use pattern temporarily.

2. River/ Water Resources:

The source of Water is MIDC. Adequate water is available. The permission is already obtained for water drawl. Therefore the impact on this parameter will be negligible.

3. Ground Water Resources:

No demand on ground water is considered and therefore no impact on it is anticipated.

4. Air Quality:

The process emission from the project during activity is periodically monitored. Reports of the same area attached. D.G. set emissions is monitored. Reports of the same area attached. D.G. set will operate only during power failure. Therefore the impact of proposed project on ambient air quality is minimal.

5. Solid waste:

Solid waste generated from process & other sources are disposed CHWSTDF at Taloja. Hence the impact is nil during operation activity.

6. Odour:

There is no odour producing activity. All manufacturing process is established and operating.

7. Noise:

Noise would be an inevitable by-product of the operation. Aarti Drugs is taking all mitigation measures to control noise pollution by means of adopting paved roads and proper study foundation provided for all the machines and equipment's.

8. Ecology:

No rare or endangered species of flora and fauna are present in the immediate vicinity. Thus, there is not any adverse impact on flora and fauna.

9. Human Settlement:

There are no R&R issues.

10. Infrastructure Facilities:

Infrastructure is already developed at project site.

11. Social Services:

Health, recreational and welfare services are the major areas to experience positive impact due to additional employment potential and cultural development.

12. Economic Status:

The project would provide positive impact on the economic development of the region to some extent. Finally it is conclude that, with implementing all mitigation measures there will be no environmental impact due to project activity.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEAC- 2014/CR-392/TC-2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 28 January, 2016.

To,
M/s. Aarti Drugs ltd
Mahendra Indl. Estate,
Ground Floor, Plot No. 109-D,
Road NO. 27, Sion (E),
Mumbai 400022

Subject: Environment clearance for proposed manufacturing of Organic Chemicals and salts of 3600 MT/Month at plot no T-150, MIDC Tarapur, Palghar by M/s. Aarti Drugs ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 106th meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 90th meeting.

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

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

1	Name of project	Aarti Drugs Ltd. Plot No. T-150, M.I.D.C. Tarapur, Dist.- Thane
2	Project Proponent	Mr. Uday Patil Aarti Drugs Ltd. Plot No. T-150, M.I.D.C. Tarapur, Dist.-- Thane
3	Consultant	M/s. Goldfinch Engineering Systems Pvt. Ltd.
4	Accreditation of consultant (NABET Accreditation)	S. No. 70 in QCI NABET List of 168, dated December 5, 2014 for the proposed project category (5f) of the MoEF EIA notification Schedule
5	New project/expansion in existing project/modernization/diversification in existing project	New project

6	If expansion/diversification, whether environmental clearance has been obtained for existing project <i>(If yes enclose a copy with compliance table)</i>	NA								
7	Activity schedule in the EIA Notification	5(f) B-1								
8	Area Details	<ul style="list-style-type: none">Total plot area – 15600 m²Proposed Built up area – 8167 m²								
9.	Name of the Notified Industrial Area/ MIDC area	Tarapur Industrial Estate								
10.	TOR given by SEAC? (If yes then specify the meeting)	Yes								
11.	Estimated capital cost of the project (Including cost for land, building, plant and machinery separately)	7270 Lakhs								
12.	Location details of the project:	<ul style="list-style-type: none">➤ Latitude : 19.800° N➤ Longitude : 72.720° E➤ 6.6 m above MSL								
13.	Distance from protected areas/ critically polluted areas/ Eco Sensitive area/ inter- state boundaries	No such area in the vicinity.								
14.	Raw materials (including process chemicals, catalysts & additives)	Refer Prefeasibility Report								
15	Production Details	Refer Table Below:								
<table><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td>Sr. No.</td><td>Product Name</td><td>Production Capacity MT/Month</td></tr></table>								Sr. No.	Product Name	Production Capacity MT/Month
	Sr. No.	Product Name	Production Capacity MT/Month							

	1	Poly Allyl Amine HCl	400																													
	2	Cyclopropyl Amine	400																													
	3	Salt Recovery Plant	2700																													
	4	Hydrogenation Products	100																													
		Total	3600																													
16.	Process details / manufacturing details	Please refer prefeasibility report																														
17	Rain water Harvesting (RWH)	Roof rain water harvesting proposed at site																														
18.	Total Water Requirement	Refer Table Below:																														
<table><tr><td>Particulars</td><td>Consumption (CMD)</td><td>Loss (CMD)</td><td>Effluent (CMD)</td></tr><tr><td>Domestic</td><td>3.5</td><td>0.5</td><td>3</td></tr><tr><td>Industrial Processing</td><td>90</td><td>14</td><td>76</td></tr><tr><td>Cooling Tower</td><td>350</td><td>330</td><td>20</td></tr><tr><td>Boiler</td><td>15</td><td>13.5</td><td>1.5</td></tr><tr><td>Gardening</td><td>15</td><td>15</td><td>-</td></tr><tr><td>Total</td><td>473.5</td><td>373</td><td>100.5</td></tr></table>					Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)	Domestic	3.5	0.5	3	Industrial Processing	90	14	76	Cooling Tower	350	330	20	Boiler	15	13.5	1.5	Gardening	15	15	-	Total	473.5	373	100.5
Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)																													
Domestic	3.5	0.5	3																													
Industrial Processing	90	14	76																													
Cooling Tower	350	330	20																													
Boiler	15	13.5	1.5																													
Gardening	15	15	-																													
Total	473.5	373	100.5																													
19.	Storm water drainage	• Natural water drainage pattern : Proper and separate storm water drains available, as per natural slope																														
20.	Sewage generation and treatment	• Amt. of sewage generation (CMD): 3 • Proposed treatment for the sewage: Treatment in combined ETP																														
21.	Effluent Characteristics	<table><tr><td>Sr. No</td><td>Parameter s</td><td>Inlet Effluent Characteristic s</td><td>Outlet Effluent Characteristic s</td><td>Effluent discharge standard s (MPCB)</td></tr><tr><td>1</td><td>pH</td><td>5-9</td><td>7.0 - 8.0</td><td>6.5 To 9.0</td></tr></table>	Sr. No	Parameter s	Inlet Effluent Characteristic s	Outlet Effluent Characteristic s	Effluent discharge standard s (MPCB)	1	pH	5-9	7.0 - 8.0	6.5 To 9.0																				
Sr. No	Parameter s	Inlet Effluent Characteristic s	Outlet Effluent Characteristic s	Effluent discharge standard s (MPCB)																												
1	pH	5-9	7.0 - 8.0	6.5 To 9.0																												

		2	TSS	260 mg/lit	60-80 mg/lit	<100 mg/lit
		3	BOD	4100 mg/lit	40-60 mg/lit	<100 mg/lit
		4	COD	7020 mg/lit	200-220 mg/lit	<250 mg/lit
		5	O & G	30-50 mg/lit	6-8 mg/lit	<10 mg/lit

22.	ETP details	<ul style="list-style-type: none"> Amount of effluent generation (CMD): 100.5 CMD including 3 CMD from domestic Capacity of the ETP: 120 CMD Amount of treated effluent recycled : -- Amount of water send to the CETP: 100.5 CMD Membership of CETP (<i>if require</i>): Application under Process
23.	Note on ETP technology to be used	Primary, Secondary, Tertiary Treatment
24.	Disposal of The ETP sludge	ETP Sludge shall be disposed through Common Hazardous Waste treatment storage disposal facility, at MWML, Taloja. CHWSTDF membership is in process.
25.	Solid Waste Management	Refer Table Below:

Non-Hazardous Waste:

Sr No	Description	Total	Method of Disposal
1	Ash from Boiler	Coal:11765 Kg/Day Or Briquette:2040 Kg/Day	Sale to Brick Manufacture / as fertilizer

Hazardous Waste:

Sr. No.	Description	Cat	Total	Method of Disposal
1	ETP Sludge	34.3	1000 kg/M	MWML
2	Empty Drums	33.3	1000 Nos/M	Sale to authorised party
3	Spent Oil	34.4	150 Kg/M	MWML
4	Distillation Residue	20.3	3775 Kg/M	Sale to authorised party / MWML
5.	Spent Carbon (From ETP)	28.2	1000 kg/M	MWML

26.	Atmospheric Emissions (Flue gas characteristics SPM, SO ₂ , NO _x)	Sr. No.	Pollutant	Source of Emission	Emission rate
		1.	SPM	Process /Boiler/ D.G. Set	<150 mg/nm ³

	, CO etc.)	2.	SO ₂	Boiler/ D.G. Set		<67 kg/ hr.		
		3.	NO _x	Boiler/ D.G. Set		<50 ppm		
		4.	Ammonia	Process		<35 mg/nm ³		
		5.	HCl	Scrubber		<50 ppm		
27.	Stacks emission Details	Plant section & units	Fuel Used	Stack No.	Height from ground level (m)	Internal diameter (Top)(m)	Emission Rate	Temp. of Exhaust Gases
		Boiler (10TP H)	Briquette - 1700 kg/h or Coal - 1270 kg/h	1	48m	1200 mm	28333 m ³ /h	180 ⁰ C
		DG Set (1200 KVA)	1	HS D 300 lit/h	7 m above enclosure	150 mm	--	Max 200 °c
		HCL Scrubber	-	1	30 m	600 mm	2000 CFM	RT
28.	Emission Standard	Refer Table below:						
	Pollutants	Emission standard limit Proposed Limit			MPCB Standards			
	SPM/ TPM	<150 mg/nm ³			<150 mg/nm ³			
	SO ₂	<67 kg/ hr.			<67 kg/ hr.			
	Ammonia	<50 ppm			<50 ppm			
	HCl	<35 mg/nm ³			<35 mg/nm ³			
	NO _x	<50 ppm			<50 ppm			
29.	Ambient Air quality data	Pollutant	Permissible Standard (24 H)		Proposed Concentration		Remarks	
		SPM	100 µg/m ³		< 100 µg/m ³		Shall be	

		(PM ₁₀)			within limit																							
		RPM (PM _{2.5})	60 µg/m ³	< 60 µg/m ³	Shall be within limit																							
		SO ₂	80 µg/m ³	< 80 µg/m ³	Shall be within limit																							
		NO _x	80 µg/m ³	< 80 µg/m ³	Shall be within limit																							
		CO	2 µg/m ³ (8 H)	< 2 µg/m ³	Shall be within limit																							
30.	Details of Fuel to be used:	<table><tr><th colspan="2">Sr. No.</th><th>Fuel</th><th>Consumption</th><th>% Ash</th><th>% Sulphur</th></tr><tr><td>1</td><td rowspan="2">Or</td><td>Briquette</td><td>1700 kg/h</td><td>5</td><td>NIL</td></tr><tr><td></td><td>Coal</td><td>1270 kg/h</td><td>38.6</td><td>0.5</td></tr><tr><td>2</td><td></td><td>HSD</td><td>336 Lit/h</td><td>0.01</td><td>1</td></tr></table>				Sr. No.		Fuel	Consumption	% Ash	% Sulphur	1	Or	Briquette	1700 kg/h	5	NIL		Coal	1270 kg/h	38.6	0.5	2		HSD	336 Lit/h	0.01	1
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31.	Energy	Power Supply : <ul style="list-style-type: none">Power requirement : 2500 KVA DG sets: <ul style="list-style-type: none">Number and capacity DG sets to be used: 1 set of 1500 KVA																										
32.	Green Belt Development	<ul style="list-style-type: none">Adequate Green belt is developed and maintained on a separate plot in the vicinity. In addition 31% of open area is dedicated for green belt developmentGreen belt area: 1127 m²Number of species of trees & shrubs to be planted: 150Number, size, age and species of trees to be cut, trees to be transplanted : 5 Nos.																										
33.	Details of pollution control Systems:	Sr. No.	Source	Existing pollution control system	Proposed to be installed																							
		1	Air	Not Applicable as project is totally new.	By dispersal into atmosphere through chimney of adequate/ recommended height. APC equipment will be provided for process and fugitive																							

						emissions.																												
						Solvent recovery system will be installed wherever possible and practical.																												
			2	Water		A Combined ETP will be installed to treat 100.5 CMD of waste water which includes 97.5 CMD effluents from industry and 3 CMD Domestic effluents. The capacity of the ETP will be 120 CMD and it will treat effluent through primary, secondary and tertiary level. Treated effluent will be discharge to CETP.																												
			3	Noise		Acoustic enclosure for proposed D.G & PPE																												
			4	Solid Waste		Hazardous waste will be disposed to MWML CHWTSDF.																												
34.	Environmental Management plan Budgetary Allocation	<ul style="list-style-type: none">Capital cost: 7270 LakhsO&M cost (with break up): <table><tr><th>Sr. No.</th><th></th><th>Recurring Cost per Annum</th><th>Capital Cost</th></tr><tr><td>1</td><td>Air Pollution Control</td><td>2 Lakhs</td><td>20 Lakhs</td></tr><tr><td>2</td><td>Water Pollution Control</td><td>5 Lakhs</td><td>100 Lakhs</td></tr><tr><td>3</td><td>Noise Pollution Control</td><td>0.5 Lakh</td><td>5 Lakhs</td></tr><tr><td>4</td><td>Environment Monitoring and Management</td><td>5 Lakh</td><td>10 Lakhs</td></tr><tr><td>5</td><td>Occupational Health</td><td>0.5 Lakhs</td><td>18 Lakhs</td></tr><tr><td>6</td><td>Green Belt</td><td>1 Lakh</td><td>10 Lakhs</td></tr></table>					Sr. No.		Recurring Cost per Annum	Capital Cost	1	Air Pollution Control	2 Lakhs	20 Lakhs	2	Water Pollution Control	5 Lakhs	100 Lakhs	3	Noise Pollution Control	0.5 Lakh	5 Lakhs	4	Environment Monitoring and Management	5 Lakh	10 Lakhs	5	Occupational Health	0.5 Lakhs	18 Lakhs	6	Green Belt	1 Lakh	10 Lakhs
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6	Green Belt	1 Lakh	10 Lakhs																															

			7	Solid waste management	10 Lakhs	--
			8	CSR	145 Lakhs in Next five Years	
35	EIA submitted (<i>If yes then submit the salient features</i>)	EIA is submitted Proposed project is environmentally sound proposal with in built control and mitigation measures not likely to have any significant adverse impact on the environment				
36	Public hearing report (<i>If public hearing conducted then submit the salient features</i>)	Not Applicable. Proposed project is in Notified Industrial area				
37	Air pollution, water pollution issues in the project area, if any	No. CETP for the entire effluent from MIDC area already exists. All industries are being regulated & monitored by MPCB in this MIDC area with developed infrastructure				
38. Storage of chemicals (flammable/ explosive/hazardous/toxic substances)						
Underground Storage tank						
Sr. No.	Use for Solvent	Consumption (TPD)	Maximum Storage	Source of Supply	Means of Transportation	
1	Methanol	10	20 KL	Out Source	By Road	
2	MDC	8.5	20 KL	Out Source	By Road	

3. The proposal has been considered by SEIAA in its 90th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :


General Conditions for Pre- construction phase:-

- No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- This environmental clearance is issued subject to implementation of online air monitoring facility equipment.

- (iii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iv) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (v) Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
- (vi) Proper Housekeeping programmes shall be implemented.
- (vii) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (viii) A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)
- (ix) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (x) Arrangement shall be made that effluent and storm water does not get mixed.
- (xi) Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- (xii) 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.
- (xiii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiv) 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.
- (xv) 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.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) 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 collection/treatment/storage/disposal of hazardous wastes.
- (xix) The company shall undertake following Waste Minimization Measures :
 - Metering of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
- (xx) 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.

- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
 - (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
 - (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
 - (xxiv) 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
 - (xxv) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>
 - (xxvi) 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.
 - (xxvii) 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.
 - (xxviii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral 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.
 - (xxix) 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.
 - (xxx) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 7 years as per MoEF & CC Notification dated 29th April, 2015 to start of production operations.
7. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


 (Malini Shankar)
 Member Secretary, SEIAA.

Copy to:

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

(EC uploaded on 28/01/2016)

पर्यावरण विषयक परवानगी

आम्ही आरती ड्रग्स लिमिटेड सर्वांना कळवू इच्छितो की, आमच्या कारखान्यात पत्ता : प्लॉट नं. T-१५० प्रस्तावित ऑर्गॅनिक केमिकल्स आणि सॉल्ट्स उत्पादन महिन्याला ३६०० मे. टन (संदर्भ पत्राद्वारे SEAC-2014/CR-392/TC-2. दि. २८ जानेवारी, २०१६), पर्यावरण विषयक मंजूरी दिली आहे. याची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे मिळू शकेल, त्याचप्रमाणे इंटरनेटच्या संकेतस्थळ <http://ec.maharashtra.gov.in> वर पाहता येईल.

MAHARASHTRA POLLUTION CONTROL BOARD

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



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

RED/L.S.I

No:- Format 1.0/CC/UAN No.0000057781/CO - 2002001094

Date: 25/02/2020

To,
M/s. AARTI DRUGS LTD.
PLOT NO. T-150, M.I.D.C., TARAPUR,
TAL & DIST- PALGHAR

Sub: Grant of Amendment of Consent to Operate under Product mix under Red/LSI category

- Ref:**
1. Consent to Operate granted vide No. Format 1.0/BO/AST/UAN No. 0000021757/O/CC-1801000469 dated 10/1/2018
 2. Environmental Clearance granted vide No. SEAC-201/CR-392/TC-2 dated 28/01/2016
 3. Minutes of the Technical Committee for product mix dated 11/10/2019
 4. Minutes of the 8th Consent Committee meeting of 2019/20 dated 26/11/2019

Your application No.MPCB-CONSENT-0000057781 Dated 03.10.2018

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

1. The consent to operate is granted for a period up to 31/08/2022
2. The capital investment of the project is Rs.72.7 Crs. (As per C.A Certificate submitted by industry Existing-Rs. 72.70 Crs + Expansion/Increase in C.I. - Rs. 0.0 Crs)
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products:			
1	CYCLOPROPYL AMINE	100.00	MT/M
2	SALT RECOVERY PLANT	2166.00	MT/M
3	SODIUM BENZENE SULPHINATE	150.00	MT/M
4	CIS-BROMO BENZOATE OR Trans Bromo Benzoate	170.00	MT/M
5	BENZENE SULPHONIC ACID	50.00	MT/M
6	INTERMEDIATES OF ITRACONAZOLEE	21.40	MT/M

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	95.5	As per Schedule -I	Recycle 100% to achieve ZLD
2.	Domestic effluent	3	As per Schedule - I	On land for gardening

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	1	BOILER (10 TPH)	1	As per Schedule -II
2	2	D.G.SET (1250 KVA)	1	As per Schedule -II
3	3	Process Reactor (3 NOS)	3	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	COAL ASH	11765	Kg/Day	SALE TO AUTHORISED BRICKS MANUFACTURER	SALE TO AUTHORISED BRICKS MANUFACTURER

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	28.1 Residues and wastes*	3758.28	Kg/M	Incineration	CHWTSDF/Co-Processing to Cement Industry through Authorized Pre-processor
2	28.2 Spent catalyst / spent carbon	977.35	Kg/M	Incineration	CHWTSDF/Co-Processing to Cement Industry through Authorized Pre-processor
3	33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	1000	No/M	Reprocess	Sale to Authorized reconditioner having permission under Rule 9 of HW Rule
4	35.3 Chemical sludge from waste water treatment	1000	Kg/M	Incineration	CHWTSDF/Co-Processing to Cement Industry through Authorized Pre-processor
5	28.1 Process Residue and wastes	273	MT/M	Landfill/Reprocess	(25% NH3)CHWTSDF/Sale to Authorized reprocessor having permission under Rule 9 of HW Rule

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
6	28.1 Residues and wastes*	77.6	MT/M	Landfill/Reprocess	(Sodium Hypochlorite Solution) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
7	28.1 Process Residue and wastes	316	MT/M	Landfill/Reprocess	(Methanol) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
8	28.1 Process Residue and wastes	5.5	MT/M	Landfill/Reprocess	(Glycerin) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
9	28.1 Process Residue and wastes	216	MT/M	Landfill/Reprocess	(HBr Solution) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
10	28.1 Process Residue and wastes	7.8	MT/M	Landfill/Reprocess	(Methylene Di Chloride) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
11	28.1 Process Residue and wastes	1.0	MT/M	Incineration/Reprocess	(Butanol) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
12	28.1 Process Residue and wastes	43	MT/M	Landfill/Reprocess	(HCl 30%) CHWTSD/ Sale to Authorized party having permission under Rule 9 of HW Rule
13	35.4 Oil and grease skimming	150	Kg/M	Incineration	CHWTSD/Co-Processing to Cement Industry through Authorized Pre-processor
14	37.3 Concentration or evaporation residues	15	MT/M	Landfill/Incineration	CHWTSD/Co-Processing to Cement Industry through Authorized Pre-processor



- 8 Solvent Management shall be carried out as follows:
 - a. Metering and control of quantities of active ingredients to minimize wastes.
 - b. Use of automatic filling to minimize spillage.
 - c. Use of close feed system into batch reactors.
 - d. Venting equipment through vapour recovery system.
 - e. Use of high-pressure hoses for equipment cleaning to reduce waste water generation.
- 9 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 10 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 11 This consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide No. Format 1.0/BO/AST/UAN No. 0000021757/O/CC-1801000469 dated 10/1/2018 which is valid upto 31/8/2022
- 12 The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SEAC-201/CR-392/TC-2 dated 28/01/2016
- 13 Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
- 14 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
- 15 This consent is issued pursuant to the decision of the Technical Committee meeting (2019-20) for assessment of application of under change in product-mix held on 11/10/2019 and decision of 8th Consent Committee Meeting held on 26/11/2019.



For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	TXN1810001424	15/10/2018	Online Payment

Copy to:

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

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1.

A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 120.00 CMD consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter), Advanced treatment.

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

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

D] The high COD effluent generated from sister concern units located at a) Plot No. No N-198, 199 & N-129 - (72.2 CMD) b) Plot No. E-9/3 & 4- (7.23 CMD) c) Plot No. W-60 (B), 61 (B), 62 (B), 71 (B), 72 (B), 73 (B)- (0.66 CMD) d) Plot No. G-60 - (132.1 CMD) and e) Plot No. E-1, 21 & 22- (39.1 CMD) shall be treated in the Multi Effective Evaporator provided at M/s. AARTI Drugs Ltd. Plot No. T-150, MIDC Tarapur and It is joint & several responsibility of all the units, if failed to achieve above conditions.
2.

A] The treated sewage shall be soaked in soak pit and overflow if any shall be used on land for gardening. There shall be no discharge outside the factory premises

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

1	BOD (3 days 27°C)	Not to exceed	100 mg/L
2	Total Suspended solids	Not to exceed	100 mg/L

C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise. In no case, sewage shall find its way for gardening / outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.



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

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	365.00
2.	Domestic purpose	3.50
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	88.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	15

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



SCHEDULE-II**Terms & conditions for compliance of Air Pollution Control:**

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	BOILER	Dust Collector/Dust Collector	48/48	BRIQUETTE/Coal	1700 Kg/Hr/1270 Kg/Hr	0.50	1608.00
2	D.G.SET	Acoustic Enclosure	7	HSD	300 Ltr/Hr	1.80	259.00
3	Process Reacor (3 NOS)	HCl Scruber (03 Nos)	30	--	--	--	--

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm ³
Acid Mist	Not to exceed	35 mg/Nm ³
Ammonia (Process)	Not to exceed	30 mg/Nm ³
Benzene	Not to exceed	05 mg/Nm ³
Toluene	Not to exceed	100 mg/Nm ³
Acetonitrile	Not to exceed	1000 mg/Nm ³
Dichloromethane	Not to exceed	200 mg/Nm ³
Chlorine	Not to exceed	15 mg/Nm ³

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. Solvent Management shall be carried out as follows:
- Reactors shall be connected to Chilled Brine Condenser system
 - Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
 - The condensers shall be provided with adequate Heat transfer area (HTA) and residence time so as to achieve more than 95% overall recovery
 - Solvents shall be stored in a separate space specified with all safety measures.
 - Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.

- f. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
- g. All the solvent storage tanks shall be connected with vent condensers with chilled Brine circulation.
- h. Fugitive emissions shall be controlled at 99.95% with effective chillers.
- i. Solvent transfer shall be through pump.



SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	5.0 Lakh	Existing (To be extended)	Towards Operation & Maintenance of pollution control system and compliance of consent conditions	31/8/2022	28/2/2023

****Existing BG obtained for above purpose if any may be extended for period of validity as above.**

BG Forfeiture History

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

BG Return details

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



SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.



26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.



ENVIRONMENT CONSULTANT & ENGINEERING

Address: Unit No: Sector 34, 1st Floor, Yeshwant Plaza, Near Reyansh Hotel
New Mumbai, vashi (W) Mob:- 9765473780

MoEF approved lab by Govt. of India from dated 15/7/2019 to 14/7/2024

Email: environmentconsultantengineering154@gmail.com,
manchuri3@gmail.com, manchuri3@gmail.com

AMBIENT AIR MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar- 401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	Near MEE Plant
02) Sampling Procedure	As Per IS : 5182 Part 5
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	09:15 AM
08) Date of Sample Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Ambient Temperature	23 ⁰ C
11) Dry Bulb Temperature	23 ⁰ C
12) Wet Bulb Temperature	25 ⁰ C
13) Relative Humidity	67% RH

RESULTS

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter PM ₁₀	µg/m ³	70.00	≤ 100	USEPA (40 CFR) Part 50
2	Particulate Matter PM _{2.5}	µg/m ³	48.00	≤ 60	USEPA (40 CFR) Part 50
3	Sulphur Dioxide (SO ₂)	µg/m ³	27.50	≤ 80	IS: 5182 (Part 2) 2001
4	Nitrogen Dioxide (NO ₂)	µg/m ³	25.30	≤ 80	IS: 5182(Part 6):2006
5	Ammonia (NH ₃)	µg/m ³	BDL	≤ 400	Method 401 Air sampling and Analysis 3 rd Edition
6	Carbon Monoxide (CO)	mg/m ³	0.3	≤ 04	GC FID Methanizer Method
7	Ozone (O ₃)	µg/m ³	BDL	≤ 180	Method 411 Air sampling and Analysis 3 rd Edition
8	Lead (Pb)	µg/m ³	BDL	≤ 1.0	APHA 3120 B
9	Arsenic (As)	ng/ m ³	BDL	≤ 06	APHA 3120 B
10	Nickel (Ni)	ng/ m ³	BDL	≤ 20	APHA 3120 B
11	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS: 5182 Part 11:2006
12	Benzo (a) Pyrene	ng/ m ³	BDL	≤ 01	IS: 5182 Part 12:2004

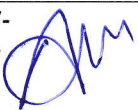
UOM – Unit of Measurement.

“The results pertain to tested portion of sample”

Remark- All above results are within National Ambient Air Quality Standards, Notification dtd. November 18, 2009.

For Environment Consultant & Engineering

ANALYZED BY-



AUTHORIZED SIGNATORY

Authorized Signature

M/s ENVIRONMENTCONSULTANT & ENGINEERING

ENVIRONMENT CONSULTANT & ENGINEERING

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AMBIENT AIR MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar- 401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	Near Main Gate
02) Sampling Procedure	As Per IS : 5182 Part 5
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	09:45 AM
08) Date of Sample Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Ambient Temperature	25 ⁰ C
11) Dry Bulb Temperature	25 ⁰ C
12) Wet Bulb Temperature	23 ⁰ C
13) Relative Humidity	68% RH

RESULTS

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter PM ₁₀	µg/m ³	72.00	≤ 100	USEPA (40 CFR) Part 50
2	Particulate Matter PM _{2.5}	µg/m ³	32.50	≤ 60	USEPA (40 CFR) Part 50
3	Sulphur Dioxide (SO ₂)	µg/m ³	24.60	≤ 80	IS: 5182 (Part 2) 2001
4	Nitrogen Dioxide (NO ₂)	µg/m ³	16.50	≤ 80	IS: 5182(Part 6):2006
5	Ammonia (NH ₃)	µg/m ³	BDL	≤ 400	Method 401 Air sampling and Analysis 3 rd Edition
6	Carbon Monoxide (CO)	mg/m ³	0.34	≤ 04	GC FID Methanizer Method
7	Ozone (O ₃)	µg/m ³	BDL	≤ 180	Method 411 Air sampling and Analysis 3 rd Edition
8	Lead (Pb)	µg/m ³	BDL	≤ 1.0	APHA 3120 B
9	Arsenic (As)	ng/ m ³	BDL	≤ 06	APHA 3120 B
10	Nickel (Ni)	ng/ m ³	BDL	≤ 20	APHA 3120 B
11	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS: 5182 Part 11:2006
12	Benzo (a) Pyrene	ng/ m ³	BDL	≤ 01	IS: 5182 Part 12:2004

UOM – Unit of Measurement.

“The results pertain to tested portion of sample”

Remark- All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009.

ANALYZED BY-



For Environment Consultant & Engineering

AUTHORIZED SIGNATORY



Authorized Signature

M/s ENVIRONMENTCONSULTANT & ENGINEERING

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

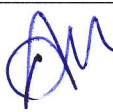

SAMPLING DETAILS

01) Location of Sampling	Boiler 10TPH
02) Sampling Procedure	IS:11255
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	10:15 AM
08) Date of Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Material of Stack	MS
11) Stack Height from G.L.	48 Meter
12) Type of Stack	Round
13) Dimension of Stack	1.1 meter
14) Flue Gas Temperature	380 ⁰ K
15) Differential Pressure	3.2 mmWG
16) Velocity	7.05 m/sec
17) Stack Area	0.450 m ²
18) Gas Volume	15350.00 Nm ³ /hr
19) Fuel Used	COAL

RESULTS

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	Total Particulate Matter	mg/Nm ³	82.00	≤ 150
2	Sulphur Dioxide	Kg/day	31.50	1608

“The results pertain to tested portion of sample”

Remark- Remark: All above results are within MPCB Limits.	
ANALYZED BY- 	For Environment Consultant & Engineering AUTHORIZED SIGNATORY  Authorized Signature

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

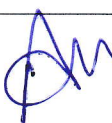
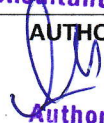
SAMPLING DETAILS

01) Location of Sampling	DG SET (750KVA)
02) Sampling Procedure	IS:11255
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	10:35 AM
08) Date of Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Material of Stack	MS
11) Stack Height from G.L.	7.0 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.1 meter
14) Flue Gas Temperature	375 ⁰ K
15) Differential Pressure	3.4 mmWG
16) Velocity	7.4 m/sec
17) Stack Area	0.00525 m ²
18) Gas Volume	160.00 Nm ³ /hr
19) Fuel Used	HSD

RESULTS

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	Total Particulate Matter	mg/Nm ³	65.50	≤ 150
2	Sulphur Dioxide	Kg/day	40.90	1608

“The results pertain to tested portion of sample”

Remark- Remark: All above results are within MPCB Limits.		For Environment Consultant & Engineering
ANALYZED BY- 		 AUTHORIZED SIGNATORY

ENVIRONMENT CONSULTANT & ENGINEERING

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Email: environmentconsultantengineering154@gmail.com,
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ANALYSIS REPORT FOR DRINKING WATER SAMPLE

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T-150, MIDC, Tarapur, Boisar. Palghar- 401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

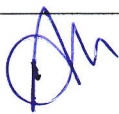

01) Location of Sampling	Main Gate
02) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
03) Contact Number	9765473780
04) Contact Person	Mr. Manoj Churi
05) Date of Sampling	08/03/2021
06) Time of Sampling	09:00 AM
07) Date of Sample Received in Lab	10/03/2021
08) Analysis Start Date	10/03/2021
09) Sample Quantity	5000ml

RESULTS

Sr. No.	Parameter	Method	Unit	Limit	Result
1	pH	APHA 2540-C	--	6.5 To 8.5	7.2
2	Color	IS:3025 (PART-4)	Hazen	<5	BDL (MDL<0.6)
3	Turbidity	APHA 2130-B	NTU	<1	BDL (MDL<0.6)
4	Total Hardness	APHA2340-C	Mg/lit	200	55
5	Chloride	APHA4500-CL-B	Mg/lit	<250	1.9
6	Nitrate	CPCB MANUAL	Mg/lit	<45	0.6
7	Sulphate	APHA4500-SO4 2-E	Mg/lit	<200	BDL (MDL<1)
8	Alkalinity	IS:3025 (PART 23)	Mg/lit	<200	45
9	Phenolic Compound	APHA 5530 C	Mg/lit	<0.001	BDL (MDL<0.001)
10	Residual Chlorine	APHA4500-CL-B	Mg/lit	<0.2	BDL (MDL<0.1)
11	Fluoride	APHA4500 FD	Mg/lit	<1.0	BDL (MDL<0.1)
12	Total Chromium	APHA 3111B	Mg/lit	<0.05	BDL (MDL<0.02)
13	Calcium	APHA3500-CA-B	Mg/lit	<75	5.3
14	Magnesium	APHA3500-MG-B	Mg/lit	<30	10
15	Anionic Detergents	APHA5540-C	Mg/lit	<0.2	BDL (MDL<0.1)

UOM – Unit of Measurement.

“The results pertain to tested portion of sample”

Remark- All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009.	
ANALYZED BY- 	<div>For Environment Consultant & Engineering Laboratory</div> <div> Authorized Signature</div>

M/s ENVIRONMENTCONSULTANT & ENGINEERING

ENVIRONMENT CONSULTANT & ENGINEERING

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ANALYSIS REPORT FOR DRINKING WATER SAMPLE

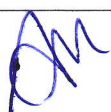
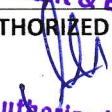
Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T-150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

RESULTS

Sr. No.	Parameter	Method	Unit	Limit	Result
17	Barium	APHA3125-B	Mg/lit	<0.70	0.35
18	Boron	IS:3025 (PART 57)	Mg/lit	<0.5	BDL (MDL<0.04)
19	Total Dissolved solids	APHA 2540-C	Mg/lit	<500	65
20	Cyanide	APHA 4500 CN E	Mg/lit	<0.005	BDL (MDL<0.01)
21	Selenium	APHA 3025 (PART 56)	Mg/lit	<0.01	BDL (MDL<0.01)
22	Mercury	MANUAL INSTRUMENT	Mg/lit	<0.001	BDL (MDL<0.001)
23	Arsenic	IS:3025 (PART 37)	Mg/lit	<0.01	BDL (MDL<0.001)
24	Aluminium	APHA3111-B	Mg/lit	<0.01	0.015
25	Cadmium	APHA3111-B	Mg/lit	<0.003	BDL (MDL<0.003)
26	Total Coliform	IS:1622	MPN INDEX/100M L	Absent	Absent
27	E-Coli	IS:1622	MPN INDEX/100M L	Absent	Absent
28	Iron	APHA3500-FE D	Mg/lit	<0.3	0.54
29	Lead	APHA3111-B	Mg/lit	<0.01	BDL (MDL<0.01)
30	Manganese	APHA3111-B	Mg/lit	<0.1	BDL (MDL<0.05)
31	Selenium	IS:3025 (PART 56)	Mg/lit	<0.01	BDL (MDL<0.01)
32	Zink	APHA3111-B	Mg/lit	<5	BDL (MDL<0.01)
33	Magnesium	APHA 3500MG B	Mg/lit	<30	12

UOM – Unit of Measurement.

“The results pertain to tested portion of sample”

Remark- All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009.	
ANALYZED BY- 	 AUTHORIZED SIGNATORY <i>For Environment Consultant & Engineering</i> <i>Authorized Signature</i>

M/s ENVIRONMENTCONSULTANT & ENGINEERING

ENVIRONMENT CONSULTANT & ENGINEERING

Address: Unit No: Sector 34, 1st Floor, Yeshwant Plaza, Near Reyansh Hotel
New Mumbai, vashi (W) Mob:- 9765473780

MoEF approved lab by Govt. of India from dated 15/7/2019 to 14/7/2024

Email: environmentconsultantengineering154@gmail.com,
manchuri3@gmail.com manchuri3@gmail.com

LIGHT ILLUMINATION SUREY REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T-150, MIDC, Tarapur, Boisar. Palghar- 401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS


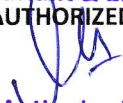
01) Sampling Procedure	As Per IS : 6665 (1972)
02) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
03) Contact Number	9765473780
04) Contact Person	Mr. Manoj Churi
05) Date of Sampling	08/03/2021

RESULTS

Sr. No.	Parameter	Results in LUX	Limit
1	Production Ground Floor	155	100
2	Utility Area	140	100
3	R M Store	170	100
4	Conference Room	190	100
5	Production Floor 1 st Floor	140	100
6	Production Floor 2 nd Floor	150	100
7	Production Floor 3 rd Floor	155	100
8	QC Lab	165	100

UOM – Unit of Measurement.

“The results pertain to tested portion of sample”

Remark- All above results are within National Ambient Air Quality Standards, Notification dtd November 18, 2009.	
ANALYZED BY- 	For Environment Consultant & Engineering AUTHORIZED SIGNATORY  Authorized Signature

M/s ENVIRONMENTCONSULTANT & ENGINEERING

WASTE WATER ANALYSIS REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	MEE Condensate Outlet
02) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
03) Contact Number	9765473780
04) Contact Person	Mr. Manoj Churi
05) Date of Sampling	08/03/2021
06) Time of Sampling	11:00 AM
07) Date of Received in Lab	10/03/2021
08) Analysis Start Date	10/03/2021
09) Sampling Type	Liquid


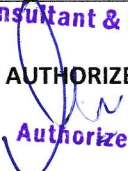
RESULT

Sr. No.	Parameter	UOM	Results of Sample	MPCB Limits	Testing Method
1	Ph	-	7.40	5.5-9.0	APHA 4500 – H ⁺ B
2	Chemical Oxygen Demand (COD)	mg/ltr	185.90	<250	IS 3025 (Part-58):2006
3	Suspended Solids (S.S.)	mg/ltr	65.50	<100	APHA 2540 - D
4	Total Dissolved Solids (TDS)	mg/ltr	180.50	<2100	APHA 2540 - C
5	Oil & Grease	mg/ltr	BDL	<10	IS 3025 (Part-39):1991
6	Biochemical Oxygen Demand (BOD)	mg/ltr	65.50	<100	IS 3025 (Part-44):1993
7	TAN	Mg/ltr	0.5	<50	-

UOM – Unit of Measurement, BDL – Below Detection Limit.

“The results pertain to tested portion of sample”

Remark –The above treated sample is well within the MPCB limits.

ANALYZED BY- 	For Environment Consultant & Engineering AUTHORIZED SIGNATORY  Authorized Signature
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SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	Bromine Scrubber
02) Sampling Procedure	IS:11255
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	11:30 AM
08) Date of Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Material of Stack	PP-FRP
11) Stack Height from G.L.	4 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.2 meter
14) Flue Gas Temperature	345 ⁰ K
15) Differential Pressure	3.5 mmWG
16) Velocity	6.7 m/sec
17) Stack Area	0.00505 m ²
18) Gas Volume	125.00Nm ³ /hr
19) Fuel Used	-----

RESULTS

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	ACID MIST	mg/Nm ³	20.50	35

“The results pertain to tested portion of sample”

Remark- Remark: All above results are within MPCB Limits.

ANALYZED BY-



For Environment Consultant & Engineering AUTHORIZED SIGNATORY



Authorized Signature

ENVIRONMENT CONSULTANT & ENGINEERING

Address: Unit No: Sector 34, 1st Floor, Yeshwant Plaza, Near Reyansh Hotel
New Mumbai, vashi (W) Mob:- 9765473780

MoEF approved lab by Govt. of India from dated 15/7/2019 to 14/7/2024

Email: environmentconsultantengineering154@gmail.com,
manchuri3@gmail.com manchuri3@gmail.com

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	Hcl Scrubber 1
02) Sampling Procedure	IS:11255
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	12:10PM
08) Date of Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Material of Stack	PP-FRP
11) Stack Height from G.L.	10 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.2 meter
14) Flue Gas Temperature	315 ⁰ K
15) Differential Pressure	3.0 mmWG
16) Velocity	5.9 m/sec
17) Stack Area	0.00328 m ²
18) Gas Volume	150.00Nm ³ /hr
19) Fuel Used	-----

RESULTS

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	ACID MIST	mg/Nm ³	16.40	35

“The results pertain to tested portion of sample”

Remark- Remark: All above results are within MPCB Limits.

For Environment Consultant & Engineering

ANALYZED BY-



AUTHORIZED SIGNATORY



Authorized Signature

M/s ENVIRONMENTCONSULTANT & ENGINEERING

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	Hcl Scrubber 02 (BS Acid Plant)
02) Sampling Procedure	IS:11255
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	12:40PM
08) Date of Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Material of Stack	PP-FRP
11) Stack Height from G.L.	21 Meter
12) Type of Stack	Round
13) Dimension of Stack	4.0 meter
14) Flue Gas Temperature	300 ⁰ K
15) Differential Pressure	2.5 mmWG
16) Velocity	5.65 m/sec
17) Stack Area	0.00540 m ²
18) Gas Volume	109.00Nm ³ /hr
19) Fuel Used	----

RESULTS


Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	ACID MIST	Mg/Nm ³	15.00	35

“The results pertain to tested portion of sample”

Remark- Remark: All above results are within MPCB Limits.

ANALYZED BY-



For Environment Consultant & Engineering
AUTHORIZED SIGNATORY

Authorized Signature

AMBIENT NOISE MONITORING REPORT

Client's Name & Address	Report No.	ADL/T-150/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – T –150, MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021


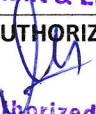
SAMPLING DETAILS

01) Location of Sampling	As Listed Below in the Table
02) Sampling Procedure	As Per IS: 4758
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	14.00 PM, 11.30 PM

RESULTS

Sr. No.	Test Location	UOM	Day Time	Night Time	MPCB Limit
1	Near Main Gate	dB (A)	65.50	55.50	During Day time= 75 dB(A) During Night Time= 70dB(A)
2	Near DG Set	dB (A)	65.00	60.00	
3	Near MEE Plant	dB (A)	65.50	62.50	
4	Near Boiler House	dB (A)	68.50	62.50	
5	Production Area	dB (A)	66.50	62.50	
6	Near Utility Area	dB (A)	68.50	65.00	

Remark: All above results are within MPCB Limits.

ANALYZED BY- 	For Environment Consultant & Engineering AUTHORIZED SIGNATORY  Authorized Signature
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