



Aarti Drugs Limited

Manufacturers of : Bulk Drugs & Chemicals

Factory : W-60(B), 61(B), 62(B),
71(B), 72(B), 73(B), M.I.D.C., Tarapur,
Tal. - Palghar, Dist. Thane - 401 506. (MH)
Tel.: 77570 03783
E-mail : adlw61@aartidrugs.com

05 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-2016/CR-20/TC-2 dated 6th February 2017, granted by SEIAA, Govt. Of Maharashtra.

Dear Sir,

Subject: Submission of Consolidated EC compliance report for Aarti Drugs Ltd., for proposed expansion project for manufacturing of Active Pharmaceutical Ingredient & Intermediate products at Plot no. W-60(B), 61(B), 62(B), 71(B), 72(B), 73(B), 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 6th February 2017 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

Corporate Office : Mahendra Industrial Estate, Ground Floor, Plot No. 109-D, Road No.29, Sion (East),
Mumbai - 400 022. (India) Tel. : 022-2404 8100 / 2404 8200 (30 Lines) • Fax : 022-2407 3462 / 2407 0144

E-mail : admin@aartidrugs.com • Website : www.aartidrugs.com

Regd. Office : Plot No. N-198, MIDC, Tarapur, Tal. Palghar, Dist. Thane - 401 506. (MH)

1. Present Status of Project:

- 1) We have published the advertisement of the obtained Environmental Clearance in the newspapers Pudhari (Marathi) dated 09/07/2019.
- 2) Consent to Operate was obtained on 12/12/2019. Copy of CTO is attached herewith.

1. Present Status of Project:

- 1) We have published the advertisement of the obtained Environmental Clearance in the newspapers Pudhari (Marathi) dated 09/07/2019.
- 2) Consent to Operate was obtained on 12/12/2019. Copy of 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.
ii	PP ensures that, no addition to the existing effluent load to the CETP after expansion.	Effluent load remains same. No addition to the existing effluent load to the CETP after expansion.
iii	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.
iv	Proper Housekeeping programmes shall be implemented.	Proper Housekeeping programmes were implemented.
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 achieved.	Yes, agreed & noted.
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)	A stack of adequate height based on DG set capacity is provided for control and dispersion of pollutant from DG set.
vii	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rain water harvesting system implemented at project site.
viii	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.
ix	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.
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.	Noise levels are maintained as per standards by implementing various control measures. Proper PPE are provided for people working in high noise areas.
xi	The overall noise levels in and around the plant shall be kept well within the standards (85	Noise levels in and around the plant are well within the standards.

	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 monitoring is being done regularly. Reports for the same are attached. All reports are well within standards prescribed by MPCB.
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.	Green belt is well developed and maintained on 100 Sq.m area. In lieu of this, Aarti Drugs Ltd. has signed a tripartite agreement with the forest department and an NGO called Sudha Pratishthan for afforestation on 100 Ha of land at Village Dhuktan, District Palghar.
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.	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.
xiv	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.
xv	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.
xvi	The project authorities must strictly comply with the rules and regulations with regard to handling 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.	The company is strictly complying with the rules and regulations with regard 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.)
xvii	The company shall undertake following Waste Minimization Measures : a) Metering of quantities of active	Followed as per the requirement: (a) All raw materials are metered and controlled for its quantities to

	<p>ingredients to minimize waste.</p> <p>b) Reuse of by – products from the process as raw materials or as raw material substitutes in other process.</p> <p>c) Maximizing Recoveries.</p> <p>d) Use of automated material transfer system to minimize spillage.</p>	<p>minimize waste.</p> <p>(b) There were no by-products are generating from process.</p> <p>(c) Recovered solvents are reused in processes.</p> <p>(d) Pumps are used to transfer liquids in closed pipelines.</p>
xviii	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.
xix	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.
xx	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.
xxi	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.
xxii	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.	Already done.
xxiii	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 newspapers, Pudhari dated 09/07/2019.
xxiv	Project management should submit half yearly compliance reports in respect of the stipulated	Noted & being done.

	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.	
xxv	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.
xxvi	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.
xxvii	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.
xxviii	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. W-61, MIDC Tarapur, Palghar,
Maharashtra,
2. Clearance letter (s) / No. and date : File No. SEAC – 2016/CR-20/TC-2
dated 06th February, 2017.
3. Location
(a) District (s) : Palghar
(b) State (s) : Maharashtra
(c) Latitude : 19°47'37.04"N
(d) Longitude : 72°43'35.24"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 : Mr. Rajendra Bonde (Works Manager)
with pin code / Fax. No Aarti Drugs Ltd,
Plot No. W-61, MIDC Tarapur,
Dist - Palghar.
6. Salient Features
a) About the Project : Manufacturing of API & Intermediates
b) Plans of the environmental management : Total EMP capital cost 16.3 lacs.
7. Breakup of the project area:
a) Submergence area: Forest & : Not Applicable.
Non – Forest
b) Others : Not Applicable.

Sr. No	Particulars	Area (Sq. Mtr.)
1.	Plant & Machinery	1650
2.	Canteen & Security	18.00
3.	ETP Area	150.00
4.	Utility Area	180.00
5.	Road	1120.00
6.	Open Spaces	472.00
7.	Tank Farm	630.00
8.	Green Belt	100.00
Total		4320.00

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.

a) SC, ST / Adavasis : --

b) Others : --

9. Financial Details :

a) Project cost as originally planned and Subsequent revised estimates and the year of price reference. : Originally planned – Rs 241.07Lacs

b) Allocation made for environmental phase year wise breakup : Total EMP cost during operational Management plans with item wise and Capital cost Rs. 16.3 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	02.50	00.20
2	Cost for water pollution control	11.05	01.20
3	Cost for noise pollution control	02.75	00.10
4	Environment Monitoring and Management	--	00.20
5	Occupational Health	--	00.15
6	Green Belt	--	00.05
7	Solid waste management	--	01.00
	Total	16.30	02.90

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 - 06/02/2017.
- 2. Consent to Operate- 12/12/2019.

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 an expansion project for manufacturing of API & Intermediates with a capacity of 98 MT/Month products category at Plot No. W-61 at MIDC Industrial Area Tarapur, Dist.: Palghar, State: Maharashtra.

We have been granted Environmental Clearance letter **File no. SEAC – 2016/CR-20/TC-2 dated 06th February, 2017** granted by SEIAA, Govt of Maharashtra, for manufacturing of API & Intermediates.

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. W-61, MIDC Tarapur, Dist: Palghar.
TYPE OF PROJECT	Manufacturing of API & Intermediates
OPERATION	Manufacturing of API & Intermediates
PROJECT COST	241.07 Lacs
CAPITAL COST OF POLLUTION CONTROL (AIR, WATER & NOISE)	Capital cost will be Rs.16.3 Lakhs and recurring cost will be Rs.2.9 Lakhs.
TOTAL AREA	4320 SQM
WATER REQUIRED	67.00 CMD
TRADE EFFLUENT GENERATED	13 CMD
DOMESTIC EFFLUENT GENERATED	5 CMD
D G SET REQUIREMENT	500 KVA & 320 KVA
GASESOUS EMISSIONS FROM OTHER SOURCESS	Boiler Stack, DG
SOLID WASTE FROM PROCESS	<ul style="list-style-type: none"> ▪ Solid waste 2368 Kg/M ▪ Recovered acid/ Solvent from process 44 T/M
SOLID WASTE FROM OTHER SOURCES	<ul style="list-style-type: none"> ▪ ETP Sludge 300 Kg/M <p>All above waste Disposal to CHWTSDF, Taloja.</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:

d. Water requirement

Total water consumption is 67 m³/day.

Sr. No	Particulars	Area (Sq. Mtr.)
1.	Plant & Machinery	1650.00
2.	Canteen & Security	18.00
3.	ETP Area	150.00
4.	Utility Area	180.00
5.	Road	1120.00
6.	Open Spaces	472.00
7.	Tank Farm	630.00
8.	Green Belt	100.00
Total		4320.00

The water budget for the plant is as follows:

- **Domestic:** 07.00 m³/ day
 - **Industrial Process:** 11.00m³/ day
 - **Cooling and Boiler:** 49.00 m³/day
- TOTAL: 67 m³/day**

EXISTING ENVIRONMENTAL SETTING IMPACT IDENTIFICATION AND ASSESSMENT

a. Site Topography

Address - Plot No. W-61, 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 STP.

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 fledged ETP is provided. For domestic effluent treated in STP.

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 ~~2016~~ /CR ~~22~~ /TC-2
 Environment department
 Room No. 217, 2nd floor,
 Mantralaya Annex,
 Mumbai- 400 032.
 Date: 6th February, 2017

To,
 M/s. Aarti Drugs Ltd.
 at plot W-60 (B), 61(B), 62(B), 71(B)....73(B)
 MIDC Tarapur, Tal Palghar, Palghar

Subject: Environment clearance for Proposed expansion of Active Pharmaceutical Ingredients & Intermediate Products at plot W-60 (B), 61(B), 62(B), 71(B)....73(B) MIDC Tarapur, Tal Palghar, 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 114th 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 97th 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:

38. Storage of Chemicals (inflammable/explosives/hazardous/toxic substances)

1.	Name of Project:	Proposed Expansion of Manufacturing of "Active Pharmaceutical Ingredients & Intermediate Products" by M/s. Aarti Drugs Ltd. (formerly known as M/s. Suyash Laboratories Ltd.) at Plot No.: W-60(B), 61(B), 62(B), 71(B), 72(B), 73(B), MIDC Tarapur, Tal.: Palghar, Dist.: Palghar.
2.	Name, Address & Contact No. of Proponent	Mr. Uday M. Patil Director H.O. Mahendra Inds. Estate, Gr. Floor, Plot No.: 109 – D, Road No.: 29, Sion (E), Mumbai-400022 Telephone Number: 24019025 Mobile Number: 24019025
3.	Name, Address & Contact No. of Consultant	Mr. H.K Desai Enviro Analysts and Engineers Private Limited. B-1003, Enviro House, 10 th Floor. Western Edge-II, W.E. Highway. Borivali(E), Mumbai-400066 Tel No:91-22 2854 1647/48/49/67/68 Fax No:91-22 2854 1290 Email: info@eaepl.com

		Web: www.eaepl.com / www.enviroanalysts.com												
4.	Accreditation of Consultant(NABET Accreditation)	NABET Accreditation for 21, 38 & 39 Sector.												
5.	New Project/ Expansion in existing project/ diversification in exiting project	Expansion in Existing Project.												
6.	If expansion/ Diversification, Whether environmental clearance has been obtained for existing project (If yes, enclose a copy with compliance table)	No												
7.	Activity Scheduled in the EIA Notification	Schedule 5 (f) ,Project Category -B												
8.	Area Details	<p>Plot area: 4320 m² Green Belt Area : 100 m² (2.32% of the Total Plot Area) The proposed expansion is in the existing plant established in the year 1984, before the publication of the EIA Notification. Hence, the existing green belt on the plot does not conform to the 33% green belt development area norm as mentioned in the EIA Notification 1994. Also, since no new plot is being amalgamated for the expansion, there is no scope for green belt development in the existing facility. According to the guidelines set by MoEF, 33% of the plot area should be allotted for green belt development. Since it is already an existing unit, and no additional plot is added to the plant, there is no space remaining for additional green belt development.</p> <p>In lieu of this, Aarti Drugs Ltd. has signed a tripartite agreement with the forest department and an NGO called Sudha Pratishtan for afforestation on 100 Ha of land at Village: Dhuktan, District: Palghar.</p>												
9.	Name of the Notified Industrial area/ MIDC area	MIDC, Tarapur.												
10	ToR given by SEAC? (if yes then specify the meeting)	Yes. ToR has been granted on the 82 nd Meeting of State Level Expert Appraisal Committee-I (Item No.26) held on 3 rd to 5 th July, 2014.												
11	Estimated cost of the project : (PI quote estimation clearly specifying cost for land, building, plant and machinery	Rs. 2.41 Cr. <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description</th> <th>Cost (Lakh)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Land Cost</td> <td>---</td> </tr> <tr> <td>2</td> <td>Civil Cost</td> <td>---</td> </tr> <tr> <td>3</td> <td>Plant Equipment</td> <td>195.00</td> </tr> </tbody> </table>	Sr. No.	Description	Cost (Lakh)	1	Land Cost	---	2	Civil Cost	---	3	Plant Equipment	195.00
Sr. No.	Description	Cost (Lakh)												
1	Land Cost	---												
2	Civil Cost	---												
3	Plant Equipment	195.00												

	separately)	Cost																																																															
		4	Utility Equipment Cost	21.84																																																													
		5	Hardware Cost	1.25																																																													
		4	Electrical	2.24																																																													
		6	AHU/HVAC	20.74																																																													
		11	Grand Total	241.07																																																													
12	Location details of the project :	Latitude : 19°47'37.04" N Longitude : 72°43'35.24" E Location: Plot No. W- 60(B), 61(B), 62(B), 71(B), 72(B), 73(B), MIDC Tarapur, Boisar, Maharashtra. Elevation above Mean Sea Level (meters) : 20 m above Mean Sea Level																																																															
13	Distance from protected areas/Critically polluted area/Eco sensitive areas/Inter State boundaries	NA																																																															
14	Raw Materials (including process chemicals, catalysts & additives)	Enclosed as Annexure I																																																															
15	Production Details	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Name of Existing Products</th> <th>Existing Production (MT/M)</th> <th>Proposed Production (MT/M)</th> <th>Total Production (MT/M)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACECLOFENAC</td> <td>0.25</td> <td>14.75</td> <td>15</td> </tr> <tr> <td colspan="5">OR</td> </tr> <tr> <td></td> <td>TICLOPIDINE HCL</td> <td>-</td> <td>5</td> <td>5.0</td> </tr> <tr> <td>2</td> <td>TOLNAFLATE</td> <td>1.0</td> <td>2.0</td> <td>3.0</td> </tr> <tr> <td colspan="5">OR</td> </tr> <tr> <td></td> <td>CELECOXIB</td> <td>-</td> <td>25</td> <td>25</td> </tr> <tr> <td>3</td> <td>SECNIDAZOLE</td> <td>3.0</td> <td>7.0</td> <td>10</td> </tr> <tr> <td colspan="5">OR</td> </tr> <tr> <td></td> <td>ORNIDAZOLE</td> <td>3.6</td> <td>36.4</td> <td>40</td> </tr> <tr> <td>4</td> <td>SPARLOXACIN</td> <td>-2.0</td> <td>Discontinued</td> <td>Discontinued</td> </tr> <tr> <td>5</td> <td>ZIDOVUDINE</td> <td>-1.0</td> <td>Discontinued</td> <td>Discontinued</td> </tr> </tbody> </table>				Sr. No	Name of Existing Products	Existing Production (MT/M)	Proposed Production (MT/M)	Total Production (MT/M)	1	ACECLOFENAC	0.25	14.75	15	OR						TICLOPIDINE HCL	-	5	5.0	2	TOLNAFLATE	1.0	2.0	3.0	OR						CELECOXIB	-	25	25	3	SECNIDAZOLE	3.0	7.0	10	OR						ORNIDAZOLE	3.6	36.4	40	4	SPARLOXACIN	-2.0	Discontinued	Discontinued	5	ZIDOVUDINE	-1.0	Discontinued	Discontinued
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16	Process Details & Manufacturing Details	Attached as an Annexure I																																																					
17	Rain Water Harvesting (RWH)	This is an Active Pharmaceutical Ingredients & Intermediate Products Plant. Therefore the Project Proponent is not proposing any Ground Water Recharge to avoid any chance of contamination of Ground Water.																																																					
18	Total Water Requirement	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Purpose</th> <th>Old Consented Water Requirement (m³/day)</th> <th>Existing Water Requirement after Process Development (m³/day)</th> <th>Proposed Water Requirement after Expansion (m³/day)</th> <th>Total Requirement (m³/day)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DOMESTIC</td> <td>7</td> <td>4</td> <td>3</td> <td>7</td> </tr> <tr> <td>2</td> <td>PROCESS</td> <td>20</td> <td>2</td> <td>9</td> <td>11</td> </tr> <tr> <td>3</td> <td>COOLING TOWER & BOILER</td> <td>15</td> <td>15</td> <td>33</td> <td>48</td> </tr> <tr> <td>4</td> <td>SCRUBBER</td> <td>-</td> <td>0.5</td> <td>0.5</td> <td>1</td> </tr> <tr> <td>5</td> <td>WASHING</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>6</td> <td>LANDSCAPE</td> <td>15</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td colspan="2">TOTAL</td> <td>57</td> <td>21.50</td> <td>45.5</td> <td>67</td> </tr> </tbody> </table> <p>Recycled water from STP will be utilized for washing & landscaping purpose.</p>						Sr. No.	Purpose	Old Consented Water Requirement (m ³ /day)	Existing Water Requirement after Process Development (m ³ /day)	Proposed Water Requirement after Expansion (m ³ /day)	Total Requirement (m ³ /day)	1	DOMESTIC	7	4	3	7	2	PROCESS	20	2	9	11	3	COOLING TOWER & BOILER	15	15	33	48	4	SCRUBBER	-	0.5	0.5	1	5	WASHING	-	-	-	-	6	LANDSCAPE	15	-	-	-	TOTAL		57	21.50	45.5	67
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19	Storm Water Drainage	Natural Drainage Pattern : W to E Size of SWD : 450 mm																																																					
20	Sewage Generation & Treatment	5.0 KLD Sewage will be generated during operational phase which will be treated in the Sewage Treatment Plant of 10.0 KLD Capacity.																																																					
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			Demand				
		3	Chemical Oxygen Demand	5500-7500	35.2	250	mg/l
		4	Total Suspended Solids	30-150	92.0	100	mg/l
		6	Oil & Grease	15-40	3.0	10	mg/l
22	ETP Details	Quantity of Effluent Generation : 13KLD Capacity of the ETP (Tertiary Level): 25 KLD Quantity of Treated Effluent Recycled: Nil Quantity of Treated Water sent to the CETP: 10 KLD Membership of the CETP: Yes					
23	Note on ETP technology to be used	Effluent will be treated in the full-fledged ETP up to Tertiary Level.					
24	Disposal of the ETP sludge (if applicable)	Will be sent to CHWTSDF Taloja.					
25	Solid Waste Management	Hazardous Solid Waste :					
		Sr. No	Source	Existing Quantity	Proposed Quantity	Total Quantity	Management
		1	Solid Waste from Process	70 KG/M	2298 KG/M	2368 KG/M	Will be Sent to CHWTSDF, Taloja
		2	Sludge from ETP	300KG/M	--	300 KG/M	Will be Sent to CHWTSDF, Taloja
		3	Recovered Acid / Solvent from Process	10 MT/M	34 MT/M	44 MT/M	For Sale
		Non Hazardous Solid waste:					
		Sr. No	Source	Existing Quantity	Proposed Quantity	Total Quantity	Management
		1	Plastic Bags	100 KG/M	50 KG/M	150 KG/M	Will be sold to Authorized Recycler after decontamination
		2	Drum	100 Nos.	200 Nos.	300 Nos.	Will be sold to Authorized Recycler after decontamination
26	Atmospheric Emmissions (Flue gas characteristics SPM, SO ₂ , NO _x , CO, etc)	Sr. no.	Pollutant			Source of Emission	
		1	SPM			Process/Boiler/DG set	
		2	SO _x			Boiler/DG set	

		3	NOx	Boiler/DG set	
		4	HCL	Scrubber	
27	Stack Emission Details: (All the stack attached to Boilers, Captive Power Plant, DG Sets, Incinerator both for existing and proposed activity). Please indicate the specific section to which the stack is attached. Eg: Process section, DG set, Boilers, Power Plant, incinerator etc. Emissions rate (kg/hr) for each pollutant (SPM, SO ₂ , NO _x etc. should be specified	Description		Boiler	D.G Set
		Capacity		2T/HR	250 KVA
		Diameter of Stack (m)		0.400	0.200
		Stack Height (m)		30	3+building height
		Stack Gas Temperature (°C)		200	40
		Stack Gas Velocity (m/s)		9	5
		Fuel Consumption (KG/hr)		FO 0.05 (kl/hr)	HSD 0.0025 (kl/hr)
		Sulfur Content (%)		4%	0.25
		Nitrogen Content (%)		0.1%	0.08
		Emission Rate (g/s)			
		PM ₁₀		0.052	0.052
		PM _{2.5}		0.049	0.049
		SO ₂		0.001	0.0001
		NO _x		0.00005	0.000002

28	Emission Standard	Pollutant	Permissible Standard	Proposed Concentration	Remarks
		PM _{2.5}	60 µg/m ³	<60	As per NAAQS
		PM ₁₀	100 µg/m ³	<100	
		SO ₂	80 µg/m ³	<80	
		NO _x	80 µg/m ³	<80	

29	Ambient Air Quality Data	Location of Monitoring	A1	A2	A3	A4	A5	A6	NAAQS	
		Duration of Monitoring	24 hrs							
		<i>Pollution Parameters:-</i>								
		PM ₁₀ (µg/m ³)	Min.	74	73	96	86	79	87	100
			Max.	93	81	103	102	93	93	
			Avg.	82	77	99	94	86	91	
			98 %ile	91	81	103	102	93	93	
		PM _{2.5} (µg/m ³)	Min.	43	46	44	40	38	37	60
			Max.	62	53	53	56	48	48	
			Avg.	54	49	49	48	43	44	
			98 %ile	62	53	52	56	47	48	
		SO ₂ (µg/m ³)	Min.	12.6	9.0	19.2	16.4	13.3	12.1	80
			Max.	22.5	12.5	23.2	22.3	16.8	17.1	
			Avg.	17.4	11.2	21.3	18.9	14.6	15.4	
			98 %ile	22.1	12.5	23.1	21.5	16.2	17.0	
		NO _x (µg/m ³)	Min.	27.0	22.7	52.8	45.3	34.3	30.2	80
			Max.	43.2	31.4	66.5	55.1	48.1	42.2	
Avg.	33.5		26.4	59.8	50.5	41.9	39.1			

			98 %ile	42.4	31.2	66.4	55.0	47.8	42.2	
		CO (mg/m ³) (8hrs)	Min.	0.203	0.205	0.207	0.226	0.250	0.234	02
			Max.	0.283	0.329	0.308	0.241	0.256	0.301	
			Avg.	0.248	0.249	0.248	0.234	0.253	0.268	
			98 %ile	0.282	0.322	0.308	0.241	0.255	0.300	
		NH ₃ (µg/m ³)	Min.	10.1	10.7	10.9	8.6	7.3	7.3	400
			Max.	16.0	14.6	15.8	13.1	12.7	12.8	
			Avg.	12.8	12.4	12.3	11.0	10.6	10.9	
			98 %ile	15.6	14.3	15.3	12.7	12.6	12.7	
30	Details of Fuel used:Source of Fuel : Mode of Transportation of fuel to site	FO- 800 lit/day HSD- 25 lit/hr. Mode of Transportation : By Road								
31	Energy	Source: MSEDCL Existing:460 kVA and after Expansion it will be 600kVA Existing: 1 DG Set of 250 KVA.								
32	Green Belt Development	Plot Area: 4320 m ² Green Belt Area : 100 m ² (2.32% of the Total Plot Area) The proposed expansion is in the existing plant established in the year 1984, before the publication of the EIA Notification 1994. Hence, the existing green belt on the plot does not conform to the 33% green belt development area norm as mentioned in the EIA Notification 1994. Also, since no new plot is being amalgamated for the expansion, there is no scope for green belt development in the existing facility. According to the guidelines set by MoEF, 33% of the Plot Area should be allotted for Green Belt Development. Since it is already an existing unit, and no additional plot is added to the plant, there is no space remaining for additional green belt development. In lieu of this, Aarti Drugs Ltd. has signed a tripartite agreement with the forest department and an NGO called Sudha Pratishtan for afforestation on 100 Ha of land at Village: Dhuktan, District: Palghar.								
33	Details of pollution control system	Water: 5.0 KLD Sewage will be generated during operational phase which will be treated in the Sewage Treatment Plant of 10.0 KLD Capacity. 4.0 KLD Treated Water will be utilized in Washing and Green Belt Development. (3.0 KLD for Washing & 1.0 KLD for Green Belt Development). 13.0 KLD Industrial Effluent will be generated during operational phase. ETP of 25.0 KLD capacity will be provided to treat industrial effluent up to Tertiary Level. 10.0 KLD Treated Water will be sent to CETP. Air: Boiler will be provided with Adequate Stack Height of 30 m, and Wet Scrubber will be provided to control process emissions. The main pollutants in process emission will be HCl. Solid Waste: Hazardous Solid Waste :								

Sr. No.	Source	Existing Quantity	Proposed Quantity	Total Quantity	Management
1	Solid Waste from Process (Wet Basis)	70 KG/M	2298 KG/M	2368 KG/M	Will be Sent to CHWTSDF, Taloja
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3	Recovered Acid / Solvent from Process	10 MT/M	34 MT/M	44 MT/M	For Sale

Non Hazardous Solid waste:

Sr. No.	Source	Existing Quantity	Proposed Quantity	Total Quantity	Management
1	Plastic Bags	100 KG/M	50 KG/M	150 KG/M	Will be sold to Authorized Recycler after decontamination
2	Drum	100 Nos.	200 Nos.	300 Nos.	Will be sold to Authorized Recycler after decontamination

Noise: The workers will be provided ear muff, ear plug while working in noisy area. Acoustic systems will be provided to D.G. set. However, D.G. set will be as stand by in case of emergency or during the power failure. Acoustic enclosure will be provided for process air blower.

34	Environmental Management Plan Budgetary Allocation	Sr. No.	Particulars	Annual Recurring Cost		Capital Cost
				Amount in Lakhs		
		1.	Air Pollution Control	0.2		2.5
		2.	Water Pollution Control	1.2		11.05
		3.	Noise Pollution Control	0.1		2.75
		4.	Environment Monitoring and Management	0.2		--
		5.	Occupational Health	0.15		--
		6.	Green Belt	0.05		--
		7.	Solid Waste Management	1		--
		Total		2.9		16.3

35	EIA submitted(If yes then submit the salient features)	Yes, EIA Report has been submitted on 1 st April, 2015 Study Period : 1 st March, 2014 – 31 st May, 2014 Air Monitoring Locations : 6 Noise Monitoring Locations : 6 Surface Water Monitoring Locations : 4 Ground Water Monitoring Locations : 7 Soil Monitoring Locations : 6 Proposed Mitigation Measures :
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Conclusion:

It be concluded that on positive implementation of Mitigation Measures and Environmental Management Plan

		during the minor construction and operational phase, there will be negligible impact on the environment and the proposed project will be beneficial.
36	Public Hearing Report (if public hearing conducted then submit the salient features)	N.A.
37	Air Pollution Water Pollution issues in the project area, If any	N.A.

38. Storage of Chemicals (inflammable/explosives/hazardous/toxic substances)

Sr. No.	Name of Chemical	Storage Type	Storage Capacity	Hazard Class	Mode of Transportation
1	IPA	Storage Tank	20 KL	3	Road
2	Toulene	Storage Tank	20KL	3	Road
3	Acetone	Storage Tank	20KL	3	Road
4	Methanol	Storage Tank	20KL	3	Road
5	Sulphuric Acid	Storage Tank (MS)	18 KL.	3	Road
6	Hydrochloric Acid	HDPE Drums	17 KL	3	Road
7	Formic Acid	HDPE Drums	200 Ltr.	3	Road

3. The proposal has been considered by SEIAA in its 97th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

General Conditions for Pre- construction phase: -


- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) PP ensure that, no addition to the existing effluent load to the CETP after expansion.
- (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) Proper Housekeeping programmers shall be implemented.
- (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.
- (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)
- (vii) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (viii) Arrangement shall be made that effluent and storm water does not get mixed.

- (ix) 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.
- (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.
- (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.
- (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.
- (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.
- (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.
- (xvi) 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.
- (xvii) 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.
- (xviii) 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.
- (xix) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xx) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxi) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxii) 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
- (xxiii) 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://cc.maharashtra.gov.in>

- (xxiv) 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.
- (xxv) 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.
- (xxvi) 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.
- (xxvii) 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.
- (xxviii) 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.


(S. M. Gavai) 01/12/2017
Member Secretary, SBIAA.

Copy to:

1. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune - 411014. .
2. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur
5. Regional Office, MPCB, Palghar.
6. Collector, Palghar.
7. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
8. Select file (TC-3)

(EC uploaded on)





पर्यावरण विषयक परवानगी

आम्ही आरती ड्रग्स लिमिटेड, तारापूर सर्वांना कळवू इच्छितो की, आमच्या कारखान्यात पत्ता : प्लॉट नं. W-६० (B), ६१ (B), ६२ (B), ७१ (B), ७२ (B), ७३ (B) प्रस्तावित ए. पी. आय (बल्क ड्रग्स आणि इन्टरमिडियट) उत्पादन विस्तारीकरण महिन्याला १४.३५ मे. टन पासून ते ९८ मे. टन पर्यंत (संदर्भ पत्राद्वारे SEAC-२०१६/CR-२०/TC-२ दि. ६ फेब्रुवारी, २०१७), 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: ast@mpcb.gov.in



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

RED/S.S.I

No:- Format 1.0/AS(T)/UAN No.0000079161/CO B-5096

Date: 12/12/2019

To,
M/s. AARTI DRUGS LTD.
PLOT NO. W-60(B),61(B),62(B),71(B),72(B),73(B),
M.I.D.C., TARAPUR, Tal and Dist:- Palghar.

Sub: Amendment in Consent to operate under change in product mix category.

Ref:

1. Consent to Operate accorded by Board vide No. Format 1.0/BO/AST/UAN No. 0000028360/O/CC-1802001184 dtd 16.02.2018 which is valid up to 31.01.2023.
2. Minutes of the 2nd Technical Committee Meeting for Change in Product Mix dtd. 11.10.2019

Your application No.MPCB-CONSENT-0000079161 Dated 28.08.2019

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 31/01/2023**
2. **The capital investment of the project is Rs.4.94 Crs. (As per undertaking submitted by pp Existing-Rs. 4.85 Crs + Expansion/Increase in C.I. -Rs. 0.09 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product/Co-Product Name	Maximum Quantity	UOM
1	ACECLOFENAC (MCA ROUTE)	15.00	MT/M
2	ACECLOFENAC (CAC ROUTE)	12.00	MT/M
3	TICLOPIDINE HCL	5.00	MT/M
4	DICLOFENAC SODIUM	15.00	MT/M
5	DICLOFENAC POTASSIUM	10.00	MT/M
6	PIOGLITAZONE HCL	2.70	MT/M
7	TOLNAFTATE	3.00	MT/M
8	CELECOXIB	25.00	MT/M
9	ORNIDAZOLE (Oil Base)	40.00	MT/M

10	SECNIDAZOLE	10.00	MT/M
11	ITRACONAZOLE	15.00	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	10.0	As per Schedule - I	0.66 CMD evaporated in MEE installed at T-150 and remaining 9.34 CMD connected to CETP
2.	Domestic effluent	5	As per Schedule - I	Soaked in soak pit

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 (4TPH)	1	As per Schedule -II
2	2	D.G.SET (500KVA)	1	As per Schedule -II
3	3	D.G.SET (320 KVA)	1	As per Schedule -II
4	4	SCRUBBER	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	COAL ASH	120	Kg/Day	--	SALE TO BRICKS MANUFACTURER
2	PLASTIC BAGS	150	No/D	--	SALE TO AUTHORISED RECYCLER AFTER DECONTINATION
3	DRUMS	300	No/M	--	SALE TO AUTHORISED RECYCLER AFTER DECONTINATION

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	28.2 Spent catalyst / spent carbon	2364	Kg/M	MWML/ CO-PROCESSING IN CEMENT KILNS	CHWTSDF/ CO-PROCESSING IN CEMENT KILNS
2	34.3 Chemical sludge from waste water treatment	300	Kg/M	MWML/ CO-PROCESSING IN CEMENT KILNS	CHWTSDF/ CO-PROCESSING IN CEMENT KILNS
3	28.5 Spent organic solvent	43923	Kg/M	SALE TO AUTHORISED REPROCESSORS (RECOVERED ACID / SOLVENT FROM PROCESS)	SALE TO AUTHORISED REPROCESSORS (RECOVERED ACID / SOLVENT FROM PROCESS)

- 8 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 10 The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SEAC-2016/CR-20/TC-2 dtd. 06 Feb. 2017.
- 11 This consent is issued pursuant to the decision of the 2nd Consent Committee Meeting held on 11.10.2019.
- 12 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. 0000079161/CO-1912000011 dtd 29.11.2019 which is valid up to 31.01.2023.
- 13 This consent is issued as per the delegation of power to HOD's vide Board Office Order No. 31/2013 dtd.1/03/2013

For and on behalf of the
Maharashtra Pollution Control Board.

(P.K.Mirashe)
(P.K.Mirashe)

Assistant Secretary (Tech.)

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	15000.00	TXN1909000747	13/09/2019	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. Cheif Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have segregate trade effluent into weak stream & high stream and provided Effluent Treatment Plant (ETP) comprising of:
- i) High COD/TDS** - Comprising treatment system of Primary (design capacity of 0.66 CMD) (Collection tank) followed by Multi effect evaporator (design capacity of 360 CMD).
- ii) Low COD/TDS** - Comprising treatment system having capacity 25 CMD as Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Bio tower), Tertiary (Pressure sand filter, Activated carbon filter) .
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Standards
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
(1)	pH	
(2)	Oil & Grease	10 mg/l
(3)	BOD (3 days 27°C)	30 mg/l
(4)	Total Suspended Solids	100
(5)	Total Dissolved Solids	2100 mg/l
II Additional Parameters		
(6)	COD	250
(8)	TAN	50

- C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
2. A] As per your application, you have provided Septic Tank followed by Soak pit for the treatment of 5 CMD of sewage.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.**

1	Suspended Solid	Not to exceed	100
1	BOD 3 days 27oC	Not to exceed	30

- C] The treated sewage shall be utilized for gardening to the maximum extent and remaining, if any shall be used for onland garadeding within the 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 there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	48.00
2.	Domestic purpose	7.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	11.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	1

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 (4 TPH)	Dust collector and Bag Filter	30	COAL	125 Kg/Hr	0.50	30.00
2	D.G.SET (500 KVA)	Acoustic enclosure)	12	HSD	50 Ltr/Hr	1.00	24.00
3	D.G.SET (320 KVA)	Acoustic enclosure)	12	HSD	30 Ltr/Hr	1.00	14.40
4	SCRUBBER	Alkali Scrubber	3.5*	--	--	--	--

*--Above the roof level.

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

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent to Operate	1.0 Lakh	Exising	Towards compliance of consent condition and O and M of PCS	31.01.2023	30.05.2023

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
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				



[Handwritten signature]

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.
34. The applicant shall make an application for renewal of the consent atleast 60 days before the date of expiry of the consent.



AMBIENT AIR MONITORING REPORT

Client's Name & Address	Report No.	ADL/W60/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

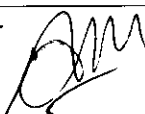

01) Location of Sampling	Near Main Gate
02) Sampling Procedure	As Per IS : 5182 Part 5
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	09:15 AM
08) Date of Sample Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Ambient Temperature	27 ⁰ C
11) Dry Bulb Temperature	27 ⁰ C
12) Wet Bulb Temperature	25 ⁰ C
13) Relative Humidity	48% RH

RESULTS

Sr. No.	Parameter	UOM	Results	NAAQ Standards	Standard Method
1	Particulate Matter PM ₁₀	µg/m ³	65.85	≤ 100	USEPA (40 CFR) Part 50
2	Particulate Matter PM _{2.5}	µg/m ³	42.50	≤ 60	USEPA (40 CFR) Part 50
3	Sulphur Dioxide (SO ₂)	µg/m ³	29.00	≤ 80	IS: 5182 (Part 2) 2001
4	Nitrogen Dioxide (NO ₂)	µg/m ³	28.50	≤ 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	0.3	≤ 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.	
ANALYZED BY- 	For Environment Consultant & Engineering AUTHORIZED SIGNATORY  Authorized Signature

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/W60/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

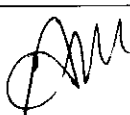

SAMPLING DETAILS

01) Location of Sampling	Boiler (4TPH)
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	09:35 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.	30 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.5 meter
14) Flue Gas Temperature	480 ^o K
15) Differential Pressure	2.9 mmWG
16) Velocity	5.85 m/sec
17) Stack Area	0.1589 m ²
18) Gas Volume	1880 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	98.50	≤ 150
2	Sulphur Dioxide	Kg/day	36.00	990

“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

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address M/s. Aarti Drugs Limited., Plot No. – W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Report No. ADL/W60/03/2021-22	Date of Reporting 12/03/2021
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SAMPLING DETAILS

01) Location of Sampling	DG Set 320 KVA
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.	4.0 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.1 meter
14) Flue Gas Temperature	450 ^o K
15) Differential Pressure	3.2 mmWG
16) Velocity	7.34 m/sec
17) Stack Area	0.01204 m ²
18) Gas Volume	205.00 Nm ³ /hr
19) Fuel Used	HSD

RESULT

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	Total Particulate Matter	mg/Nm ³	118.00	≤ 150
2	Sulphur Dioxide	Kg/day	5.00	21

“The results pertain to tested portion of sample”

Remark: Total particulate matter and sulphur dioxide results are within MPCB Limits.

For Environment Consultant

ANALYZED BY-



AUTHORIZED SIGNATORY

Authorized Signature

SOURCE (STACK) EMISSION MONITORING REPORT

Client's Name & Address	Report No.	ADL/W60/03/2021-22
M/s. Aarti Drugs Limited., Plot No. - W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS

01) Location of Sampling	DG Set 500 KVA
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	11:10 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.	12 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.1 meter
14) Flue Gas Temperature	365 ^o K
15) Differential Pressure	3.9 mmWG
16) Velocity	7.8 m/sec
17) Stack Area	0.0200 m ²
18) Gas Volume	385.00 Nm ³ /hr
19) Fuel Used	HSD

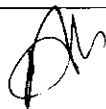
RESULT

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	Total Particulate Matter	mg/Nm ³	95.50	≤ 150
2	Sulphur Dioxide	Kg/day	3.80	21

“The results pertain to tested portion of sample”

Remark: Total particulate matter and sulphur dioxide 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/W60/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

SAMPLING DETAILS


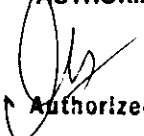
01) Location of Sampling	Scrubber Plant A & B Area
02) Sampling Procedure	IS:11255
03) Sample Collected By	M/s. ENVIRONMENT ANALYST & ENGINEER
04) Contact Number	9765473780
05) Contact Person	Mr. Manoj Churi
06) Date of Sampling	08/03/2021
07) Time of Sampling	12:30PM
08) Date of Received in Lab	10/03/2021
09) Analysis Start Date	10/03/2021
10) Material of Stack	PP FRP
11) Stack Height from G.L.	3.5 Meter
12) Type of Stack	Round
13) Dimension of Stack	0.3 meter
14) Flue Gas Temperature	295 ^o K
15) Differential Pressure	3.5mmWG
16) Velocity	5.55 m/sec
17) Stack Area	0.0625 m ²
18) Gas Volume	580.25 Nm ³ /hr
19) Fuel Used	---

RESULTS

Sr. No.	Parameter	UOM	Results	Limits as per MPCB Consent
1	Acid Mist	Mg/NM3	14.30	35

“The results pertain to tested portion of sample”

Remark: All above results are within MPCB Limits.

ANALYZED BY-		For Environment Consultant AUTHORIZED SIGNATORY	 Authorized Signature
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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.commanchuri3@gmail.com

AMBIENT NOISE MONITORING REPORT

Client's Name & Address	Report No.	ADL/W60/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021

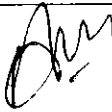

SAMPLING DETAILS

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	14.30 PM, 23.15 PM

RESULTS

Sr. No.	Test Location	I.D. No.	UOM	Day Time	Night Time	MPCB Limit
1	Near Main Gate	N-39	dB (A)	68.50	65.50	During Day time= 75 dB(A) During Night Time= 70dB(A)
2	Near Engineering Department	N-39	dB (A)	67.00	65.00	
3	Near R.M. Plant	N-39	dB (A)	65.50	60.00	
4	Near Boiler House	N-39	dB (A)	70.00	68.00	
5	Near Gate No. 2	N-39	dB (A)	68.50	67.50	
6	In Plant A &B Area	N39	dB (A)	63.50	62.50	

Remark: All above results are within MPCB Limits.

ANALYZED BY-	For Environment Consultant & Engineer	AUTHORIZED SIGNATORY
		 Authorized Signatory

M/s ENVIRONMENTCONSULTANT & ENGINEERING

WASTE WATER ANALYSIS REPORT

Client's Name & Address	Report No.	ADL/W60/03/2021-22
M/s. Aarti Drugs Limited., Plot No. – W-60 (B),61(B),62(B), 71(B),72(B),73(B) MIDC, Tarapur, Boisar. Palghar-401506.	Date of Reporting	12/03/2021



SAMPLING DETAILS

01) Location of Sampling	ETP 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	12:15PM
07) Date of Received in Lab	10/03/2021
08) Analysis Start Date	10/03/2021
09) Sampling Type	Grab Sampling

RESULT

Sr. No.	Parameter	UOM	Results of Sample	MPCB Limits	Testing Method
1	Ph	-	7.3	5.5-9.0	APHA 4500 – H ⁺ B
2	Chemical Oxygen Demand (COD)	mg/ltr	185.00	<250	IS 3025 (Part-58):2006
3	Suspended Solids (S.S.)	mg/ltr	80.50	<100	APHA 2540 - D
4	Total Dissolved Solids (TDS)	mg/ltr	98.50	<2100	APHA 2540 - C
5	Oil & Grease	mg/ltr	BDL	<10	IS 3025 (Part-39):1991
8	Biochemical Oxygen Demand (BOD)	mg/ltr	25.60	<30	IS 3025 (Part-44):1993
9	TAN	Mg/ltr	0.8	<50	-

“The results pertain to tested portion of sample”

Remark: Total particulate matter and sulphur dioxide results are within MPCB Limits.	
ANALYZED BY-	For Environment Consultant & Engineering AUTHORIZED SIGNATORY
	 Authorized Signature