

LUPIN LIMITED
T-142, M.I.D.C. Tarapur via. - Boisar
Taluka & Dist. Palghar, Maharashtra - 401 506
Tel: +91-2525-243300, 243600



23rd May 2023

To
The Additional Director(s)
Ministry of Environment & Forests,
Regional Office, Western Region,
Kendriya Paryavaran Bhavan,
Link Road No. 3,
Bhopal-462016
Madhya Pradesh

Sub.: Submission of half – yearly EC compliance for the period October-2022 to March - 2023.

Ref.: Environmental Clearance EC (Lupin)-2009/153/CR.167/TC.1 dated 16/11/2010

Dear Sir,

With reference to the above cited subject, please find the enclosed here with half yearly EC compliance report for the period of October-2022 to March -2023 for Lupin Limited, Tarapur site.

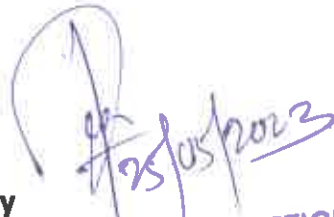
Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,

For Lupin Limited


Authorized Signatory



CC:- SRO Tarapur

SUB-REGIONAL OFFICE
MAHARASHTRA POLLUTION CONTROL BOARD
TARAPUR, MIDC. COLONY, BOISAR,
TALUKA & DIST. PALGHAR, PIN 401 504.

**Compliance report of Env. Clearance No. EC (Lupin)-2009/153/ CR.167/TC.1, dated 16/11/2010
For the period of October 2022 to March 2023**

Sr. No.	Condition	Compliance status
i.	This clearance is subject to conditions stipulated in MoEF office memorandum J-11013/5/2010-IA-II (I) dated 26 th October 2010.	Noted
ii.	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control department before start of any construction work at the site.	Obtained consent to Establish vide no. BO/RO-Thane/RO (P & P)/EIC/ TN/1866-09/E/CC-366, dated 05/10/2009 Consent to Operate including product mix is obtained vide no. Format1.0/CAC/UAN Nos. MPCB-CONSENT_AMMENDMENT-0000009361/2303000035 date 17/03/2023 valid up to 30/04/2024. Refer attached Annexure- I
iii.	No land development/construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Noted and followed
iv.	No additional land shall be used/acquired for any activity of the project without obtaining proper permission.	Noted
v.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	Noted and followed wherever required.
vi.	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	Air quality monitoring is carried out by MoEF & CC approved party every month. The report of the same is submitted to the MPCB. Copy of monitoring reports from October 2022 to March-2023 are attached as Annexure-II



vii.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	--
Viii	Arrangement shall be made that wastewater and storm water do not get mixed.	Wastewater is collected through dedicated effluent carrying pipelines which does not get mixed with storm water drains.
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.	No bore well is available at site and no groundwater is used inside the premises.
x.	Leg 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.	Noted and complied, we do noise monitoring regularly. Copy of the noise monitoring reports are attached as Annexure-III Personal protective equipment such as earplugs/earmuffs are provided to the people working in high noise area.
xi.	The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generations. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	Acoustic enclosure has been provided for noise control wherever required. Ambient Noise levels are monitored every month. High noise source like DG set have been provided with acoustic enclosure. All the measures have been taken to control noise, wherever required. Ambient noise level monitoring is being done by MoEF & CC approved third party. Copy of analysis reports from October-2022 to March 2023 are attached as Annexure-III
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.	Complied
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.	Necessary safety systems including Gas detection systems are in place.



Xiv	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per factories Act.	Periodical health checkup is carried out and records are maintained.
Xv	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire protection systems are in place and followed
Xvi	The project authorities must strictly comply with the rules & 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.	Complied.
Xvii	The company shall undertake following Waste Minimization Measures: <ul style="list-style-type: none"> • Metering of quantities of active ingredients to minimize waste. • Reuse of by-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. • Use of "Closed Feed" system into batch reactors. 	Waste minimization measures are being followed.
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.	On site Emergency plan is in place and updated. Regular mock drills are being conducted. Last mock drill was conducted on 15/12/2022.
Xix	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Dedicated Environmental management department exists with qualified and trained staff.
Xx	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	Noted.



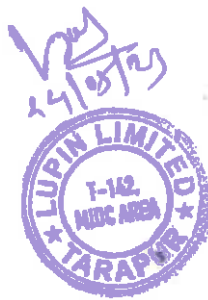
xxi	Separate silos will be provided for collecting and storing bottom ash and fly ash.	Noted.
xxii	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Noted and being followed
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	Complied.
xxiv	Project Management should submit half yearly compliances reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to MPCB & this department, on 1 st June & 1 st December of each calendar year.	Noted and being followed. Last six-monthly EC compliance report for the period April-2022 to September-2022 was submitted on 29/11/2022.
xxv	A copy of 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. The clearance letter is available on website of the company.
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,	Copies of monitoring reports are sent to MoEF & CC and MPCB. The status of EC condition is available on the company web site. The same is updated periodically.



	RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated 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.	Noted and followed. Last six-monthly EC compliance report for the period April-2022 to September-2022 was submitted on 29/11/2022.
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.	Complied. Environmental statement for the FY 2021-22 was submitted on 30/09/2022.
xxix	The environmental clearance is being issued without prejudice to the 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 of the Honorable 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.	Noted



ANNEXURE-I
(Consent To Operate)



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 Slon Circle,
Slon (E), Mumbai-400022

RED/L.S.I (R58)

No:- Format 1.0/CAC/UAN No.MPCB-
CONSENT_AMMENDMENT-0000009361/2303000035

Date: 17/03/23

To,
M/s. Lupin Limited
Survey No. 30/10 to 30/13 & 64/7, Plot No. T-142,
MIDC Tarapur, Tal & Dist Palghar



Sub: Grant of Amendment in Consent to Operate under Red/LSI

- Ref:**
1. Consent to Operate granted under vide No. Format 1.0/CAC/UAN No. 0000008284/2208000009 dated 10/8/2022
 2. Environmental Clearance granted vide No. EC (Lupin)-2009/153/CR.167/TC.1 dated 16/11/2010 and amended on 04/01/2011
 3. Minutes of Consent Appraisal Committee meeting held on 09/02/2023

Your application No.MPCB-CONSENT_AMMENDMENT-0000009361 Dated 30.09.2022

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 renewal is granted for a period up to 30/04/2024
2. The capital investment of the project is Rs.925.22 Crs. (As per C.A Certificate submitted by Industry Existing CI is-Rs. 856.49 Crs + Increase in C.I. - Rs. 68.73 Crs)
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products			
1	Rifa S,Rifa O & Rifampicin	359	MT/A
2	Rifaximin	45	MT/A
3	Lovastatin	14	MT/A
4	Simvastatin	30	MT/A
5	Sertraline	80	MT/A
6	Losartan potassium	65	MT/A
7	Valsartan	15	MT/A
8	Duloxetine	25	MT/A

Sr No	Product	Maximum Quantity	UOM
9	Irbesartan	5	MT/A
10	Quetiapine Fumerate	60	MT/A
11	Pyrazinamide	139	MT/A
12	Levetiracetam	425	MT/A
13	Abacavir (Hydrochloride/ Sulphate)	16	MT/A
14	Amlodipine Besilate	21	MT/A
15	Escitalopram Oxalate	1.6	MT/A
16	Cysteamine Bitartrate	60	MT/A
17	Tolterodine Tartarate	0.03	MT/A
18	Celecoxib	18	MT/A
19	Ethambutol	15	MT/A
20	Fenofibrate/Choline Fenofibrate	37	MT/A
21	Rifabutin	1	MT/A
22	Zolpidem Tartarate	0.8	MT/A
23	Imipramine pamoate/Imipramine Hcl	0.5	MT/A
24	Lansoprazole	2.5	MT/A
25	Rabeprazole	1	MT/A
26	Risperidone	0.5	MT/A
27	Azythromycin	2	MT/A
28	Gatifloxacin	0.02	MT/A
29	Ziprasidone	2	MT/A
30	Desloratadine	0.6	MT/A
31	Memantine	1.5	MT/A
32	Eszopiclone	0.1	MT/A
33	Tenofovir	6	MT/A
34	Emticitabine	6.5	MT/A
35	Ezetimibe	6	MT/A
36	R & D batches	13	MT/A
37	Ranolazine	25	MT/A
38	Armodafinil	0.8	MT/A
39	Capreomycin Sulfate	0.5	MT/A
40	Calcium L-5- Methyltetrahydrofolate	0.1	MT/A
41	Rifapentine	20	MT/A
42	Oseltamivir	3	MT/A
43	Sodium Rifamycin SV	4.5	MT/A

Total Production Quantity- 1528.55 MT/A

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	1027.4	As per Schedule -I	Recycle 100% to achieve ZLD
2.	Domestic effluent	95	As per Schedule - I	Recycle 100% to achieve ZLD

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

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler (12 TPH & 10 TPH.)	1	As per Schedule -II
2	S-2	Boller (12 TPH & 12 TPH)	1	As per Schedule -II
3	S-3	Boiler (10 TPH)	1	As per Schedule -II
4	S-4 & S-12	D.G. Set (9 Nos.)	9	As per Schedule -II
5	S-13 to S-14	Power Generator (2 Nos.)	2	As per Schedule -II
6	S-15 to S-41	Process Vents (27 Nos.)	27	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Mycella Waste	18.1	MT/Day	Composting	Sale to authorized party
2	Bio Sludge (ETP)	5.82	MT/Day	Composting	Used as manure or Sale to authorized party or CHWTSDF
3	Canteen Waste	500	Kg/Day	NA	Piggeries / In house or External Composting
4	Insulation waste, discarded PPE, PVC Apron, Shoe Cover, Glass bottles	03	MT/Day	NA	CHWTSDF

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	5.1 Used or spent oil	0.03	MT/Day	Incineration/ Recycle	Sale to authorised party / CHWTSDF
2	5.2 Wastes or residues containing oil	0.02	MT/Day	Incineration/ Recycle	Sale to authorised party / CHWTSDF

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
3	28.6 Spent organic solvents	265.74	MT/Day	Incineration/ Recycle*/Coproprocessing	(Spent Mother Liquor) Sale to Authorized Party/Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF/On site Recovery
4	36.1 Any process or distillation residue	1.88	MT/Day	Incineration	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
5	28.1 Process Residue and wastes	5.637	MT/Day	Landfill/ Incineration/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
6	28.2 Spent catalyst	0.1	MT/Day	Incineration/ Recycle*	Sale to Authorized Party/Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF/Manufacturer for recycling
7	28.3 Spent carbon	0.95	MT/Day	Incineration/ Coprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
8	28.4 Off specification products	2	MT/Day	Incineration/ Coprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
9	28.6 Spent organic solvents	96.94	MT/A.	Incineration/ Recycle*/Coproprocessing	Sale to Authorized Party/Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF-Recovered IPA
10	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	12	MT/Day	Incineration/ Recycle*/Coproprocessing	(PPE/Cartridge Filter/Liner Bags)- Sale to Authorized Party after decontamination/Coprocessor or through MPCB/CPCB Authorized Preprocessor/CHWTSDF
11	34.1 Chemical-containing residue arising from decontamination.	0.50	MT/Day	Incineration/ Coprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
12	37.3 Concentration or evaporation residues	11.50	MT/Day	Landfill	CHWTSDF (On Dry basis)
13	28.1 Process Waste- Transertaline	256.64	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
14	28.1 Process Waste- Piperazine di acetate	71.27	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
15	28.1 Process Waste- 2 Amino 4 methyl Pyridine	9.98	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
16	28.1 Process Waste- Tributyl tin Chloride	20.09	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
17	28.1 Process Waste- Di Methyl Butanolic acid	27.93	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF


Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
18	28.1 Process Waste- R-R mandelate salt	101.86	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
19	28.1 Process Waste- Imidazole Hydrochloride	22.26	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
20	28.1 Process Waste- Tri Ethyl Amine	58.40	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
21	28.1 Process Waste- Mandelic acid	42.23	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
22	28.1 Process Waste- Di iso propyl ethyl amine	25.19	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
23	28.1 Process Waste- D2 Amino 1- Butanol (D2AB)	5.53	MT/A	Incineration/ Recycle*/Coproprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF
24	28.5 Date-expired products	02	MT/Day	Incineration/ Coprocessing	Coprocessor through MPCB/CPCB Authorized Preprocessor/CHWTSDF

*** Sale to Authorized Party having permission under Rule 9 of H&OW Rule. Hazardous Waste from Sr. No. 13 to 23 in the Hazardous Waste table are on active basis and are recovered from streams generated from manufacturing 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. vide No. EC (Lupin)-2009/153/CR.167/TC.1 dated 16/11/2010 and amended on 04/01/2011 and ensure display/upload of six monthly compliance monitoring report on their official website.
11. This consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide no. Format 1.0/CAC/UAN No. 000008284/ 220800009 dated 10/8/2022
12. Industry should not manufacture any other product for which permission is not granted by the Board.

13. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
14. This consent is issued pursuant to the decision of 8th Consent Appraisal Committee meeting held on 09/02/2023
- This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

For and on behalf of the
Maharashtra Pollution Control Board.


Dr. Y.B. Sontakke 16/3/2023
Joint Director (WPC)
& Incharge Of CAC-Cell

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	5481770.00	MPCB-DR-3631	31/12/2020	RTGS
2	100000.00	MPCB-DR-3641	31/12/2020	RTGS
3	90000.00	MPCB-DR-6811	06/07/2021	RTGS

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 full-fledge Effluent Treatment Plant (ETP) of capacity 1200 CMD followed by Reverse Osmosis having capacity of 1307 CMD and MEE of 360 CMD capacity followed by ATFD 35 CMD capacity for the treatment 1122.35 CMD effluent (Industrial effluent-1027.35 CMD + Domestic Effluent-95 CMD). Treated effluent is 100% recycled into process, cooling tower & for utility purposes so as to achieve Zero Liquid Discharge (ZLD).
 - B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
 - C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
2.
 - A] As per your application, the domestic effluent is mixed with trade effluent before Secondary treatment for further treatment in Effluent Treatment Plant
 - B] Industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1B of schedule I.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification 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	1100.00
2.	Domestic purpose	120.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	889.80
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	150

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

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler (12 TPH & 10 TPH)	Stack	57.00	NG 1679 SCM/Hr	-	TPM	50 Mg/Nm ³
				LSHS 895 Kg/Hr	1	NOx	50 Mg/Nm ³
						SO2	429.6 Kg/Day
S-2	Boiler (12 TPH & 12 TPH)	Stack	31.00	NG 1832 SCM/Hr	-	TPM	50 Mg/Nm ³
						NOx	50 Mg/Nm ³
S-3	Boiler (10 TPH)	Stack	45.00	NG 763 SCM/Hr	-	TPM	50 Mg/Nm ³
				LSHS 407 Kg/Hr	1	NOx	50 Mg/Nm ³
						SO2	195.36 Kg/Day
S-4 to S-12	DG Set (2 x 2.5 MW, 4 x 1.2 MW, 3 x 1.6 MW)	Acoustic Enclosure Stack	30.00	HSD 157 MT/M	1.0	TPM	50 Mg/Nm ³
						SO2	105 Kg/Day
S-13 & S-14	Power Generator (2 x 2.5 MW)	Stack	48.00	HSD 414 MT/M	1.0	TPM	50 Mg/Nm ³
						SO2	276 Kg/Day
S-15 to S-38	Process Vents (24 Nos)	Scrubber	5.00	-	-	Acid Mist	35 Mg/Nm ³
						HCL	35 Mg/Nm ³
						SO2 (process)	50 PPM
S-39 to S-41	Process Vents (03 Nos)	Scrubber	5.00	-	-	Acid Mist	35 Mg/Nm ³
						HCL	35 Mg/Nm ³
						Chlorine	3 PPM
						SO2 (process)	50 PPM

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:

Parameters	Standards (mg/l)	
Total Particulate Matter	Not to exceed	50 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/C20/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	25 Lakh	Existing	Towards O&M of Pollution Control Systems and towards compliance of consent conditions	30/4/2024	31/8/2024
2	C to R	5 Lakh	Existing	Towards achieving ZLD	30/4/2024	31/8/2024

** 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/C20/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/C20/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 of 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.

**For and on behalf of the
Maharashtra Pollution Control Board.**

**Dr. Y.B.Sontakke
Joint Director (WPC)
& Incharge Of CAC-Cell**

ANNEXURE-II

(Analysis Report of Air Quality)



QF/LA/10-A

Report Date: 21.10.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	06.10.2022	Sample Description :	Ambient
Date of Receipt of Sample :	15.10.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.10.2022	Date of Analysis Completed :	21.10.2022
Sampling Plan :	QF/LA/01 B – 30.09.2022	Sampling Location :	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/10-41	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	06.10.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	60.77	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & NAAQS Volume-I
PM 2.5	33.32	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	20.80	80	µg/m ³	IS 5182 (Part-2):2001 Reaffirmed-2017 CPCB NAAQS Volume I
NO _x conc.	49.92	80	µg/m ³	IS 5182 (Part-08):2006 Reaffirmed-2017 CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	274.73	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.67	06	ng/m ³	CPCB NAAQS Volume I
Nickel	11.79	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.48	05	µg/m ³	IS 5182 (Part-11):2006 Reaffirmed – 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12) Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 04.09.2022 Due on : 13.09.2023		Sampling carried out using ADS GOLDFINCH/INST-ADS/43 Calibrated on : 02.06.2022 Due on : 02.06.2023		

Remark- ND= Not Detected

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

For Goldfinch Laboratory

MPLR

Verified and Authorized by

QF/LA/10-A

Report Date: 21.10.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	10.10.2022	Sample Description :	Ambient
Date of Receipt of Sample :	15.10.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.10.2022	Date of Analysis Completed :	21.10.2022
Sampling Plan :	QF/LA/01 B – 30.09.2022	Sampling Location :	Near DG room
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/10-43	Limits	Units	Test Method
Location	Near DG room			
Date/Duration	10.10.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	59.07	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & NAAQS Volume-I
PM 2.5	29.74	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	14.51	80	µg/m ³	IS 5182 (Part-2):2001 Reaffirmed-2017 CPCB NAAQS Volume I
NOx conc.	32.96	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	300.2	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	0.58	06	ng/m ³	CPCB NAAQS Volume I
Nickel	5.88	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.78	05	µg/m ³	IS 5182 (Part-11):2006 Reaffirmed – 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12) Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 04.08.2022 Due on : 13.08.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/43 Calibrated on : 02.06.2022 Due on : 02.06.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Dr. R. K.

Verified and Authorized by

QF/LA/10-A

Report Date: 21.10.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	07.10.2022	Sample Description :	Ambient
Date of Receipt of Sample :	15.10.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.10.2022	Date of Analysis Completed :	21.10.2022
Sampling Plan :	QF/LA/01 B – 30.09.2022	Sampling Location :	Near ETP Plant
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/10-42	Limits	Units	Test Method
Location	Near ETP Plant			
Date/Duration	07.10.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	66.81	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & NAAQS Volume-I
PM 2.5	30.37	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	17.63	80	µg/m ³	IS 5182 (Part-2):2001 Reaffirmed-2017 CPCB NAAQS Volume I
NOx conc.	54.23	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	291.97	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.33	06	ng/m ³	CPCB NAAQS Volume I
Nickel	5.90	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	1.00	05	µg/m ³	IS 5182 (Part-11):2006 Reaffirmed – 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12) Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 04.09.2022 Due on : 13.09.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/43 Calibrated on : 02.06.2022 Due on : 02.06.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 24.11.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	07.11.2022	Sample Description :	Ambient
Date of Receipt of Sample :	17.11.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.11.2022	Date of Analysis Completed :	24.11.2022
Sampling Plan :	QF/LA/01 B – 31.10.2022	Sampling Location :	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/11-90	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	07.11.2022 1 hr. (CO, NH₃ & O₃) & 24 hrs. (Rest of the pollutants)			
PM 10	68.23	100	µg/m³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	31.11	60	µg/m³	CPCB NAAQS Volume-I
SO₂ conc.	21.48	80	µg/m³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NOx conc.	52.24	80	µg/m³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.01	01	µg/m³	CPCB NAAQS Volume I
Ammonia	314.29	400	µg/m³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	0.77	06	ng/m³	CPCB NAAQS Volume I
Nickel	3.72	20	ng/m³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	ND	05	µg/m³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/34 Calibrated on : 03.10.2022 Due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 24.11.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	11.11.2022	Sample Description :	Ambient
Date of Receipt of Sample :	17.11.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.11.2022	Date of Analysis Completed :	24.11.2022
Sampling Plan :	QF/LA/01 B – 31.10.2022	Sampling Location :	Near DG room
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/11-92	Limits	Units	Test Method
Location	Near DG room			
Date/Duration	11.11.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	64.06	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	27.92	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	39.65	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NO _x conc.	47.42	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	333.12	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	0.52	06	ng/m ³	CPCB NAAQS Volume I
Nickel	10.01	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	ND	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed -2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/34 Calibrated on : 03.10.2022 Due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory


Verified and Authorized by

QF/LA/10-A

Report Date: 24.11.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	09.11.2022	Sample Description :	Ambient
Date of Receipt of Sample :	17.11.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.11.2022	Date of Analysis Completed :	24.11.2022
Sampling Plan :	QF/LA/01 B – 31.10.2022	Sampling Location :	Near ETP Plant
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/11-91	Limits	Units	Test Method
Location	Near ETP Plant			
Date/Duration	09.11.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	61.87	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	29.46	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	22.58	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NOx conc.	60.51	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.02	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	328.77	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.11	06	ng/m ³	CPCB NAAQS Volume I
Nickel	7.62	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	ND	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/34 Calibrated on : 03.10.2022 Due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Verified and Authorized by

QF/LA/12-A

Report Date: 30.12.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	12.12.2022	Sample Description :	Ambient
Date of Receipt of Sample :	20.12.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	21.12.2022	Date of Analysis Completed :	30.12.2022
Sampling Plan :	QF/LA/01 B – 30.11.2022	Sampling Location :	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/12-117	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	12.12.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	78.38	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & NAAQS Volume-I
PM 2.5	38.11	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	60.88	80	µg/m ³	IS 5182 (Part-2):2001 Reaffirmed-2017 CPCB NAAQS Volume I
NO _x conc.	62.69	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 CPCB NAAQS Volume I
Lead	0.06	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	166.56	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	ND	06	ng/m ³	CPCB NAAQS Volume I
Nickel	15.50	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.11	05	µg/m ³	IS 5182 (Part-11):2006 Reaffirmed – 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12) Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 14.09.2022 Due on : 13.09.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory


Verified and Authorized by

QF/LA/12-A

Report Date: 30.12.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	15.12.2022	Sample Description :	Ambient
Date of Receipt of Sample :	20.12.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	21.12.2022	Date of Analysis Completed :	30.12.2022
Sampling Plan :	QF/LA/01 B – 30.11.2022	Sampling Location :	Near DG room
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/12-119	Limits	Units	Test Method
Location	Near DG room			
Date/Duration	15.12.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	67.78	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & NAAQS Volume-I
PM 2.5	36.36	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	57.87	80	µg/m ³	IS 5182 (Part-2):2001 Reaffirmed-2017 CPCB NAAQS Volume I
NO _x conc.	51.78	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 CPCB NAAQS Volume I
Lead	0.05	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	150.63	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10): 1999 Reaffirmed-2014
Arsenic	ND	06	ng/m ³	CPCB NAAQS Volume I
Nickel	9.83	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.12	05	µg/m ³	IS 5182 (Part-11):2006 Reaffirmed – 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12) Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 04.09.2022 Due on : 13.09.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Verified and Authorized by

QF/LA/12-A

Report Date: 30.12.2022

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	14.12.2022	Sample Description :	Ambient
Date of Receipt of Sample :	20.12.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	21.12.2022	Date of Analysis Completed :	30.12.2022
Sampling Plan :	QF/LA/01 B – 30.11.2022	Sampling Location :	Near ETP Plant
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/22/12-118	Limits	Units	Test Method
Location	Near ETP Plant			
Date/Duration	14.12.2022 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	71.86	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & NAAQS Volume-I
PM 2.5	35.64	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	63.90	80	µg/m ³	IS 5182 (Part-2):2001 Reaffirmed-2017 CPCB NAAQS Volume I
NO _x conc.	69.77	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 CPCB NAAQS Volume I
Lead	0.06	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	231.73	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	ND	06	ng/m ³	CPCB NAAQS Volume I
Nickel	13.51	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.04	05	µg/m ³	IS 5182 (Part-11):2006 Reaffirmed – 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12) Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/02 Calibrated on : 04.09.2022 Due on : 13.09.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 06.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	16.01.2023	Sample Description :	Ambient
Date of Receipt of Sample :	30.01.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	31.01.2023	Date of Analysis Completed :	06.02.2023
Sampling Plan :	QF/LA/01 B – 30.12.2022	Sampling Location :	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/01-132	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	16.01.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	71.52	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	36.54	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	64.13	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NO _x conc.	70.37	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.06	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	140.70	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.68	06	ng/m ³	CPCB NAAQS Volume I
Nickel	11.24	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.62	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Due on : 02.10.2023		Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023		

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 06.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	24.01.2023	Sample Description :	Ambient
Date of Receipt of Sample :	30.01.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	31.01.2023	Date of Analysis Completed :	06.02.2023
Sampling Plan :	QF/LA/01 B – 30.12.2022	Sampling Location :	Near DG Room
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/01-134	Limits	Units	Test Method
Location	Near DG Room			
Date/Duration	24.01.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	73.24	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	34.27	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	14.98	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NO _x conc.	34.64	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	282.17	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	0.90	06	ng/m ³	CPCB NAAQS Volume I
Nickel	7.80	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.45	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 06.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	17.01.2023	Sample Description :	Ambient
Date of Receipt of Sample :	30.01.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	31.01.2023	Date of Analysis Completed :	06.02.2023
Sampling Plan :	QF/LA/01 B – 30.12.2022	Sampling Location :	Near ETP
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/01-133	Limits	Units	Test Method
Location	Near ETP			
Date/Duration	17.01.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	67.73	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	34.77	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	12.59	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NO _x conc.	45.08	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.04	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	233.98	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.37	06	ng/m ³	CPCB NAAQS Volume I
Nickel	9.88	20	ng/m ³	CPCB NAAQS Volume I
Ozone	60.31	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	ND	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/70 Calibrated on : 14.09.2022 Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Verified and Authorized by

Page 1 of 1

QF/LA/10-A

Report Date: 22.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	07.02.2023	Sample Description :	Ambient
Date of Receipt of Sample :	14.02.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	15.02.2023	Date of Analysis Completed :	22.02.2023
Sampling Plan :	QF/LA/01 B – 30.01.2023	Sampling Location :	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/02-152	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	07.02.2023 1 hr. (CO, NH₃ & O₃) & 24 hrs. (Rest of the pollutants)			
PM 10	67.30	100	µg/m³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	34.10	60	µg/m³	CPCB NAAQS Volume-I
SO₂ conc.	35.96	80	µg/m³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NOx conc.	70.37	80	µg/m³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.01	01	µg/m³	CPCB NAAQS Volume I
Ammonia	97.94	400	µg/m³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.38	06	ng/m³	CPCB NAAQS Volume I
Nickel	12.06	20	ng/m³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.44	05	µg/m³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Callbrated on : 03.10.2022 Callbration due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/69 Callbrated on : 14.09.2022 Calibration Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 22.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	09.02.2023	Sample Description :	Ambient
Date of Receipt of Sample :	14.02.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	15.02.2023	Date of Analysis Completed :	22.02.2023
Sampling Plan :	QF/LA/01 B – 30.01.2023	Sampling Location :	Near DG Room
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/02-154	Limits	Units	Test Method
Location	Near DG Room			
Date/Duration	09.02.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	71.66	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	37.26	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	67.13	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NO _x conc.	40.68	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	318.71	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	0.70	06	ng/m ³	CPCB NAAQS Volume I
Nickel	8.10	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.30	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Calibration due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/69 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-A

Report Date: 22.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	08.02.2023	Sample Description :	Ambient
Date of Receipt of Sample :	14.02.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	15.02.2023	Date of Analysis Completed :	22.02.2023
Sampling Plan :	QF/LA/01 B – 30.01.2023	Sampling Location :	Near ETP
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/02-153	Limits	Units	Test Method
Location	Near ETP			
Date/Duration	08.02.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	66.74	100	µg/m ³	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	35.85	60	µg/m ³	CPCB NAAQS Volume-I
SO ₂ conc.	65.33	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NOx conc.	31.34	80	µg/m ³	IS 5182 (Part-06):2006 Reaffirmed-2017 & CPCB NAAQS Volume I
Lead	0.01	01	µg/m ³	CPCB NAAQS Volume I
Ammonia	209.10	400	µg/m ³	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999 Reaffirmed-2014
Arsenic	1.05	06	ng/m ³	CPCB NAAQS Volume I
Nickel	11.46	20	ng/m ³	CPCB NAAQS Volume I
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974 Reaffirmed-2014
Benzene	0.17	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed - 2017 & CPCB NAAQS volume I
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2014 & CPCB NAAQS Volume I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Callibrated on : 03.10.2022 Calibration due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/69 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory



Verified and Authorized by

Page 1 of 1

QF/LA/10-A

Report Date: 27.03.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	08.03.2023	Sample Description :	Ambient
Date of Receipt of Sample :	16.03.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	17.03.2023	Date of Analysis Completed :	24.03.2023
Sampling Plan :	QF/LA/01 B – 28.02.2023	Sampling Location :	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/03-20	Limits	Units	Test Method
Location	Near Main Gate			
Date/Duration	08.03.2023 1 hr. (CO, NH₃ & O₃) & 24 hrs. (Rest of the pollutants)			
PM 10	70.82	100	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
PM 2.5	33.81	60	µg/m³	IS 5182 (Part-24):2019
SO₂ conc.	52.28	80	µg/m³	IS 5182 (Part-2):2001, Reaffirmed-2022
NO_x conc.	70.30	80	µg/m³	IS 5182 (Part-6):2006, Reaffirmed-2022
Lead	0.06	01	µg/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Ammonia	172.64	400	µg/m³	IS 5182 (Part-25):2018
Carbon Monoxide	ND	04	mg/m³	IS 5182 (Part-10):1999, Reaffirmed-2014
Arsenic	3.24	06	ng/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Nickel	12.40	20	ng/m³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Ozone	<39.0	180	µg/m³	IS 5182 (Part-09):1974, Reaffirmed-2019
Benzene	0.51	05	µg/m³	IS 5182 (Part-11):2006, Reaffirmed-2022
Benzopyrene	<0.1	01	ng/m³	IS 5182 (Part-12):2004, Reaffirmed-2019, & CPCB NAAQS Volume-I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Calibration due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/69 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Ukewal

Verified and Authorized by

Page 1 of 1

NABL Accreditation in Process

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

QF/LA/10-A

Report Date: 27.03.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	09.03.2023	Sample Description :	Ambient
Date of Receipt of Sample :	16.03.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	17.03.2023	Date of Analysis Completed :	24.03.2023
Sampling Plan :	QF/LA/01 B – 28.02.2023	Sampling Location :	Near ETP Plant
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/03-21	Limits	Units	Test Method
Location	Near ETP Plant			
Date/Duration	09.03.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	67.09	100	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
PM 2.5	29.28	60	µg/m ³	IS 5182 (Part-24):2019
SO₂ conc.	57.42	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2022
NOx conc.	58.96	80	µg/m ³	IS 5182 (Part-6):2006, Reaffirmed-2022
Lead	0.02	01	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Ammonia	336.68	400	µg/m ³	IS 5182 (Part-25):2018
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999, Reaffirmed-2014
Arsenic	2.24	06	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Nickel	8.90	20	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974, Reaffirmed-2019
Benzene	0.31	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed-2022
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2019, & CPCB NAAQS Volume-I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Calibration due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/69 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Utkarsh

Verified and Authorized by

QF/LA/10-A

Report Date: 27.03.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	13.03.2023	Sample Description :	Ambient
Date of Receipt of Sample :	16.03.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	17.03.2023	Date of Analysis Completed :	24.03.2023
Sampling Plan :	QF/LA/01 B – 28.02.2023	Sampling Location :	Near DG Room
Sampling Method :	Refer test method		

Sample Code No.	GFL/AA/23/03-22	Limits	Units	Test Method
Location	Near DG Room			
Date/Duration	13.03.2023 1 hr. (CO, NH ₃ & O ₃) & 24 hrs. (Rest of the pollutants)			
PM 10	66.23	100	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I)
PM 2.5	30.92	60	µg/m ³	IS 5182 (Part-24):2019
SO ₂ conc.	44.57	80	µg/m ³	IS 5182 (Part-2):2001, Reaffirmed-2022
NOx conc.	65.20	80	µg/m ³	IS 5182 (Part-6):2006, Reaffirmed-2022
Lead	0.02	01	µg/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Ammonia	342.15	400	µg/m ³	IS 5182 (Part-25):2018
Carbon Monoxide	ND	04	mg/m ³	IS 5182 (Part-10):1999, Reaffirmed-2014
Arsenic	1.80	06	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Nickel	7.55	20	ng/m ³	CPCB Guidelines for Measurement of Ambient Air Pollutants (NAAQS Volume-I), AAS Method
Ozone	<39.0	180	µg/m ³	IS 5182 (Part-09):1974, Reaffirmed-2019
Benzene	0.33	05	µg/m ³	IS 5182 (Part-11):2006, Reaffirmed-2022
Benzopyrene	<0.1	01	ng/m ³	IS 5182 (Part-12):2004, Reaffirmed-2019, & CPCB NAAQS Volume-I
Sampling carried out using HVS GOLDFINCH/INST-HVS/36 Calibrated on : 03.10.2022 Calibration due on : 02.10.2023			Sampling carried out using ADS GOLDFINCH/INST-ADS/69 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023	

Remark- ND= Not Detected

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

For Goldfinch Laboratory

Ukeshwar

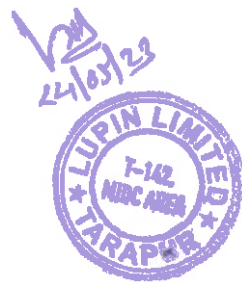
Verified and Authorized by

Page 1 of 1

NABL Accreditation in Process

ANNEXURE-III

(Analysis Report of Ambient Noise)



QF/LA/10-C**Report Date: 21.10.2022****Analysis Test Report for Ambient Noise Monitoring**

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	06.10.2022	Sample Description :	Noise
Date of Receipt of Sample :	15.10.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.10.2022	Date of Analysis Completed :	21.10.2022
Sampling Plan :	QF/LA/01 B – 30.09.2022	Sampling Location :	Noise
Sampling Method :	Refer test method		

		Ambient Noise Level (Leq)		Test Method
Sample Code No.	Location	Day dB	Night dB	
GFL/AN/22/10-72	Near Main Gate	60.8	55.1	IS 9989-1981 Reaffirmed 2014
GFL/AN/22/10-73	Near ETP Plant	68.0	65.4	
GFL/AN/22/10-74	Near DG Room	61.6	59.4	
	M.P.C.B. Limit	75.0	70.0	

Survey carried out using dB meter
Sr. No. GOLDFINCH/INST- DB Meter/79
Calibrated On: 01.11.2021
Calibration due: 31.10.2022

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

For Goldfinch Laboratory

Note

Verified and Authorized by

Report Date: 24.11.2022

Analysis Test Report for Ambient Noise Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	11.11.2022	Sample Description :	Noise
Date of Receipt of Sample :	17.11.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	17.11.2022	Date of Analysis Completed :	24.11.2022
Sampling Plan :	QF/LA/01 B – 31.10.2022	Sampling Location :	As mentioned below
Sampling Method :	Refer test method		

Sample Code No.	Location	Ambient Noise Level (Leq)		Test Method
		Day dB	Night dB	
GFL/AN/22/11-113	Near Main Gate	60.6	53.3	IS 9989-1981, Reaffirmed 2014
GFL/AN/22/11-114	Near ETP Plant	64.8	52.9	
GFL/AN/22/11-115	Near DG Room	64.2	57.7	
	M.P.C.B. Limit	75.0	70.0	

Survey carried out using dB meter
Sr. No. GOLDFINCH/INST- DB Meter/80
Calibrated On: 21.10.2022
Calibration due: 20.10.2023

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

For Goldfinch Laboratory



Verified and Authorized by

Report Date: 30.12.2022

Analysis Test Report for Ambient Noise Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	16.12.2022	Sample Description :	Noise
Date of Receipt of Sample :	20.12.2022	Sample Collected by :	Laboratory
Date of Analysis Started :	21.12.2022	Date of Analysis Completed :	30.12.2022
Sampling Plan :	QF/LA/01 B – 30.11.2022	Sampling Location :	As mentioned below
Sampling Method :	Refer test method		

		Ambient Noise Level (Leq)		Test Method
Sample Code No.	Location	Day dB	Night dB	
GFL/AN/22/12-139	Near Main Gate	61.7	52.8	IS 9989-1981, Reaffirmed-2014
GFL/AN/22/12-140	Near ETP Plant	63.9	52.5	
GFL/AN/22/12-141	Near DG Room	63.0	54.6	
	M.P.C.B. Limit	75.0	70.0	

Survey carried out using dB meter
Sr. No. GOLDFINCH/INST- DB Meter/80
Calibrated On: 21.10.2022
Calibration due: 20.10.2023

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

For Goldfinch Laboratory



Verified and Authorized by

QF/LA/10-C

Report Date: 06.02.2023

Analysis Test Report for Ambient Noise Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	16.01.2023	Sample Description :	Noise
Date of Receipt of Sample :	30.01.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	31.01.2023	Date of Analysis Completed :	06.02.2023
Sampling Plan :	QF/LA/01 B - 30.12.2022	Sampling Location :	As mentioned below
Sampling Method :	Refer test method		

Sample Code No.	Location	Ambient Noise Level (Leq)		Test Method
		Day dB	Night dB	
GFL/AN/23/01-155	Near Main Gate	54.7	49.2	IS 9989-1981, Reaffirmed-2014
GFL/AN/23/01-156	Near ETP Plant	58.5	47.1	
GFL/AN/23/01-157	Near DG Room	63.1	55.1	
	M.P.C.B. Limit	75.0	70.0	

Survey carried out using dB meter
Sr. No. GOLDFINCH/INST- DB Meter/79
Calibrated On: 21.10.2022
Calibration due: 20.10.2023

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

For Goldfinch Laboratory



Verified and Authorized by

Report Date: 22.02.2023

Analysis Test Report for Ambient Noise Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	10.02.2023	Sample Description :	Noise
Date of Receipt of Sample :	14.02.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	15.02.2023	Date of Analysis Completed :	22.02.2023
Sampling Plan :	QF/LA/01 B – 30.01.2023	Sampling Location :	As mentioned below
Sampling Method :	Refer test method		

		Ambient Noise Level (Leq)		Test Method
Sample Code No.	Location	Day dB	Night dB	
GFL/AN/23/02-174	Near Main Gate	61.7	55.2	IS 9989-1981, Reaffirmed-2014
GFL/AN/23/02-175	Near ETP Plant	70.8	65.2	
GFL/AN/23/02-176	Near DG Room	66.7	63.9	
	M.P.C.B. Limit	75.0	70.0	
Survey carried out using dB meter Sr. No. GOLDFINCH/INST- DB Meter/80 Calibrated On: 21.10.2022 Calibration due: 20.10.2023				

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

For Goldfinch Laboratory


Verified and Authorized by

QF/LA/10-C

Report Date: 27.03.2023

Analysis Test Report for Ambient Noise Monitoring

Name of the Industry :	M/s Lupin Limited, Tarapur		
Date of Sampling :	11.03.2023	Sample Description :	Noise
Date of Receipt of Sample :	17.03.2023	Sample Collected by :	Laboratory
Date of Analysis Started :	23.03.2023	Date of Analysis Completed :	24.03.2023
Sampling Plan :	QF/LA/01 B – 28.02.2023	Sampling Location :	As mentioned below
Sampling Method :	Refer test method		

Sample Code No.	Location	Ambient Noise Level (Leq)		Test Method
		Day dB	Night dB	
GFL/AN/23/03-46	Near Main Gate	59.4	53.7	IS 9989-1981, Reaffirmed-2020
GFL/AN/23/03-47	Near ETP Plant	69.9	64.9	
GFL/AN/23/03-48	Near DG Room	65.2	57.7	
	M.P.C.B. Limit	75.0	70.0	
Survey carried out using dB meter Sr. No. GOLDFINCH/INST- DB Meter/80 Calibrated On: 21.10.2022 Calibration due: 20.10.2023				

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

For Goldfinch Laboratory

Ukeshwar

Verified and Authorized by