

Ref. No-CIPLA/EHS-ENV/KKB-III/04/2022

31.05.2022

**Deputy Director General of Forests (Central),  
West Central Zone,  
Regional Office,  
New Secretariate Building,  
Opp. VCA Ground,  
Civil Lines,  
Nagpur-440 001.**

**Subject: Half Yearly Environment Clearance Compliance Report**

Ref. No: Environment clearance No. J-11011/47/2005-IA II (I) dated 13.10.2005

Respected Sir,

With reference to above subject, we are hereby submitting the six-monthly Environment clearance compliance report for the period of Dec -2021 to May-2022.

1. Point wise compliance to clearance No. J-11011/48/2005-IA II (I) dated 05.04.2006 as Annexure -1.
2. Data sheet attached as Annexure-2

This is for your information.

Kindly acknowledge the receipt of the same.

Thanking You,

Your's faithfully,

**For Cipla Ltd.**

Authorized Signatory

**Encl: As Above.**

## Annexure Summary

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**SIX MONTHLY COMPLIANCE STATUS TO THE CONDITIONS OF ENVIRONMENTAL CLERANCE FROM MoEF FOR THE PERIOD December 2021 to May 2022.**

**REF.NO. J-11011/47/2005- IAI (I) Dt.13.10.2005**

**A) SPECIFIC CONDITIONS AND THEIR COMPLIANCE:**

Sr No.	Condition	Status
1	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> , NH <sub>3</sub> & HCl) and particulate matters, from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	The emission level at present fully conforms to the standards for the current project. The plan for monitoring of AAQ, work- zone air quality and source emissions to check the emission level is already put in place. We assure you that we will put our best efforts on the control measures of pollution control system to achieve highest efficiency to the existing project as well as for the expansion. Photocopy of Reports attached as per Annexure - I
2	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration are anticipated in consultation with the SPCB.	Site already fixed the locations for AAQ monitoring in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with MPCB & this will be followed in future also (monitoring frequency is quarterly by authorized laboratory/consultancy) Photocopy of Reports attached as per Annexure - II
3	For control of air emissions, the reactors shall be provided with scrubbers and stack height shall be as per the Central Pollution Control Board guidelines.	For control of air emission, scrubbers are provided, and stack height is provided as per CPCB guidelines. Photocopy of Reports attached as per Annexure - III
4	Spent solvents shall be recovered as far as possible & recovery shall not be less than 95 percent. During purification process, solvent vapors are emitted from purification tanks as fugitive emissions. Action shall be taken to reduce the emission as far as possible. Use of toxic solvents like Methylene Chloride (MDC) etc. shall be minimum. All venting equipment shall have recovery system.	Sites recover the solvent wherever possible, two stage condensers have been provided for recovery on the reactors. It will be always our efforts to reduce the consumption of solvents like Methylene Chloride.
5	Industry shall switch over to aqueous based coating film in place of use of Methylene Chloride in coating	Site is currently bulk drug manufacturer & do not carry out any coating activity by

	operation and to non-halogenated solvents in place of halogenated solvents in a phased manner.	using Methylene Chloride. This condition is Not Applicable to our activity.
6	Hazardous and toxic waste generated during process like distillation residue, spent carbon, spent mixture solvents, process organic residue should be incinerated in a properly designed incinerator with energy recovery facility. The incinerator shall meet the CPCB standards and guidelines.	Site is using CHWTSDF developed facilities for disposal of above specified material. We are following this stipulation strictly and continue to follow the prescribed norms in future also. Annexure – IV
7	Hazardous air pollutants (HAP) emitted from the process shall be identified; assessment shall be made both for stack/vent emissions and work zone environment /ambient environment.	Site made adequate provision for this and the same will be implemented in future also. Refer Photocopy's of Reports attached as Annexure - II & III.
8	Air emissions of VOC from reactor vents, material loading and unloading, acid gases (halogen acids, SO <sub>2</sub> , etc.) fugitive emissions from pumps, valves, tanks, shall be monitored and emission shall be controlled. All the reactor vents shall be connected with scrubbing system. The scrubbing liquid shall be treated in ETP.	Site has made adequate provision for this and scrubbing liquid shall be treated in ETP MEE VTFD system, same will be implemented in future also.
9	The company shall undertake following Waste minimization measures: Metering and control of quantities of active ingredients to minimize waste. Reduce of by products from the process as raw materials or as raw material Substitute in other processes. Use of automated filling to minimize spillage. Use of "Close Feed" system into batch reactors. Venting equipment through vapor recovery system. Use of high-pressure hoses for equipment cleaning to reduce wastewater generation	Site has followed waste minimization measures and the same will be implemented in future also.
10	The effluent generation expansion shall not increase 150 m <sup>3</sup> /d. Effluent shall be segregated into high and low COD streams. The low COD effluent after primary, secondary and tertiary treatment and meeting the norms shall be sent to CETP. The high COD effluent shall be evaporated in Multi Effect Evaporator & incinerated in the liquid - cum solid waste incineration system. The incinerator ash shall be disposed of in the TSDF.	Site has full-fledged ETP of cap.-150 m <sup>3</sup> /day to treat low COD stream & treated effluent recycle and reused (100%) to utility (using RO System). High COD stream effluent treated in Multiple Effect Evaporator (MEE) followed by Vertical Thin Film Dryer (VTFD) facility. Dried solids send to CHWTSDF developed by Maharashtra Enviro Power Ltd. [MEPL] for disposal. Photocopy of treated effluent analysis done by third party attached as Annexure - V
11	The solid waste generated in the form of used /spent oil will be incinerated. Used spent solvent shall be sold	Site is fully complying these conditions and continue to comply in future.

	to authorized reprocessor. Spent catalyst, expired medicines, spent mother liquor; chemical sludge, oil and ETP residue and sludge from the wet scrubber shall be incinerated. Spent solvents shall be sold to authorized reprocesses. The ash obtained after incineration shall be disposed off at TSDF developed by M/s Maharashtra Enviro Power Ltd. at Ranjangaon.	Photocopy of TSDF membership certificate refer as Annexure -IV
12	The company shall develop rainwater harvesting structures to harvest the runoff water for recharge of ground water.	Site has developed rainwater-harvesting tank of approximate 25 m <sup>3</sup> size.
13	Green belt shall be provided in an area of 33 percent of plant area to mitigate the effects of fugitive emissions all around the plant. Development of green belt shall be as per the Central Pollution Control Board guidelines.	Site has earmarked green belt area as per CPCB guideline and at present 57% of total open area (8201 Sq. Mtr.) is covered in green belt area. Annexure-VI
14	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories act.	A procedure has been put in place that all the employees undergo pre-employment medical checkup followed by yearly medical checkup from a approved & qualified doctor & records are maintained as per factories act.

**B. GENERAL CONDITIONS AND THEIR COMPLANCE**

Sr. No	Condition	Status
1	The project authorities shall strictly adhere to the stipulations made by the Maharashtra Pollution Control Board.	Site comply & continue to comply in future with the conditions made by the Maharashtra Pollution Control Board. Copy of Consent to operate attached as Annexure -VII
2	At no time the emissions shall exceed the prescribed limits in the event of Failure of any Pollution control system adopted by the unit, the unit shall be immediately put off operation and shall not be restarted until the desired efficiency has been achieved.	Site maintains emissions as per prescribed limits and continue to follow in future also. The critical spare inventory is maintained to attend the breakdown of system.
3	No further expansion or modifications in the plant shall be carried out without Prior approval of the Ministry of Environment and Forest. In case of deviations or alterations in the project proposal from those submitted to this Ministry for Clearance, a fresh reference shall be made to the Ministry to assess the Adequacy of conditions imposed and to add additional environmental protection Measures required, if any.	Site will seek prior approval of MoEF in case we undergo such an activity of Expansion or Modification.
4	The project authorities shall strictly comply with the rules and regulations Under Manufacture, storage and	Site strictly-comply the rules and regulations and continue to follow them.

	import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000 & 2003 Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous waste.	
5	The project authorization must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the state pollution Control Board must be obtained for collection /treatment /storage /disposal of hazardous wastes.	Site has already obtained Authorization from MPCB for collection / treatment / storage / disposal of hazardous wastes. Further, we are fully complying with HW (M&H) Rules, 2003 & 2008. The consent to operate is valid up to 30.04.2024. Refer Annexure IV & VII
6	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz. and 70 dBA (nighttime).	Site has carried out ambient noise level survey of our plant. Site do not have any such process or equipment that adds to the ambient noise level. We will comply the standards under Environment (Protection) Act, Rules, 1989 in future also. Photocopy of Reports attached as Annexure - VIII
7	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.	Site is fully complying with these provisions & continue to comply in future also.
8	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Site has already set-up EMC under control of Plant Manager and developed full-fledged ETP laboratory to support environmental monitoring functions. Copy of EMC attached as Annexure - IX
9	The project authorities shall earmark separate funds to implement the Conditions stipulated by the Ministry of Environment and Forest as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Site has sufficient provision of funds for Environment protection & will make adequate provision for this. Annexure- X
10	The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry Regional Office at Bhopal / SPCB/ CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies.	Site regularly submitting six monthly compliance status reports to monitoring agencies and comply in future also.
11	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are	Site already had given an advertisement on 26 <sup>th</sup> October 2005 in vernacular Language Newspaper (Loksatta) and in

	available with the SPCB/Committee and may also be seen at website of the Ministry at <a href="http://envfor.nic.in">http: envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the vernacular language of locality concerned and a copy of the same shall be forwarded to the Ministry's Regional Office at Nagpur	English News Paper (Indian Express). A copy of the same is enclosed herewith as Annexure–XI
12	The project authorities shall inform the regional office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Manufacturing activity of Completed project started in May 2014.

Monitoring the Implementation of Environmental Safeguards  
Ministry of Environment & Forests  
Regional Office (w), Bhopal.  
Monitoring Report

PART – I

DATA SHEET

Date: 27.05.2022

1. Project type: River –valley /Mining : Industry  
Industry /Thermal /Nuclear/ other (specify)
2. Name of the project : Bulk Drug manufacturing  
Plant
3. Clearance letter (s) / OM no. and date : No. J -11011/47/2005 - IA II (I)  
Dated 13<sup>th</sup> October, 2005
4. Location :  
a) District (s) Pune  
b) State (s) Maharashtra  
c) Latitude/Longitude 18° 21' N / 74° 31' E
5. Address for correspondence:  
a) Address of concerned project : Mr. Mahendra Gojamgunde  
Chef Engineer (with pin code & telephone : Cipla Limited  
/ Fax numbers D -22, MIDC area Kurkumbh  
Tal – Daund, Dist.: – Pune  
Pin code - 413802  
Tel No – 02117-230100  
Tel Fax – 02117- 230232  
Email-mahendra.gojamgunde@cipla.com
- b) Address of Executive Project : Mr. Mahendra Gojamgunde  
Engineer/ Manager (with pin code/ : Cipla Limited  
Fax numbers D -22, MIDC area Kurkumbh  
Tal – Daund, Dist. – Pune  
Pin code - 413802  
Email: mahendra.gojamgunde@cipla.com  
Tel No –02117-230515  
Tel Fax – 02117- 230232
6. Salient features:  
a) Of the project : Bulk drugs manufacturing plant  
b) Of the environmental management plans : as per MPCB consent to  
Operate norms vide letter No.  
Formate1.0/CAC/UAN No  
0000109542/CR-2107001039



Valid up to 30.04.2024.

7. Breakup of the project area : Notified chemical zone by MIDC  
a) Submergence area: forest & non-forest  
b) Others
8. Breakup of the project affected population  
With enumeration of those losing houses/  
dwelling units only agricultural land only,  
both dwelling unit & agricultural land &  
landless laborer's/artisan : Nil  
a) SC, ST/ Adivasis : Nil  
b) Others
- (Please indicate whether these figures  
are based on any scientific and systematic  
survey is carried out or only provisional  
figures, if a survey is carried out give details  
and years of survey)
9. Financial details :  
a) Project cost as originally planned and  
subsequent revised estimates and the  
The year of price reference. As per Annexure -X  
b) Allocation made for environmental  
management plans with item wise and  
year wise break-up.  
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.  
d) Actual expenditure incurred on the  
Project so far :  
e) Actual expenditure incurred on the  
environmental management plans so far.
10. Forest land requirement : Nil  
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 programmed  
in the light of actual field experience so far. :

11. The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information : Nil
12. Status of construction :
  - a) Date of commencement (Actual and/or planned) : Project completed in April 2013.
  - b) Date of completion (Actual and /of planned): Phase I Manufacturing is Started from March 2008  
Project completed manufacturing started in May 2014.
13. Reasons for the delay if the project is yet to start :
14. Date of site visits : 12/12/ 2007
  - a) The dates on which the project was monitored by the Regional office on Previous occasions, if any :
  - b) Date of site visit for this monitoring report : -
15. Details of correspondence with project 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)



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB.: H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.

Tel.: (02362) 223519 • E-mail : info@gadark.in • Website : www.gadark.in

OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0303/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Deactivation Booth ETP [SBR - 01]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	15:40
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	SBR-01	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	15.2	35.0	By Morris B. Jacob
NOx	ppm	1.5	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

*Kailas*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*[Signature]*

**CHECKED BY**

**Note :**

1. The results relate only to the samples tested
2. Test Report shall not be reproduced except in full, without written approval of the laboratory.
3. Samples will be preserved for a period 15 days from the delivery of Test Report.
4. Test Results relate only to the conditions prevailing at the time of sampling
5. Customer complaint register is available at laboratory.
6. Calibration details of the equipment's used in monitoring and / or analysis is back side of analysis report.



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Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0302/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	—	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Bulk Drug II - Scrubber No. 206 [S - 8]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	15:10
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	Scrubber No. 206	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	13.5	35.0	By Morris B. Jacob
NOx	ppm	1.7	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

**CHECKED BY**

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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0301/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Bulk Drug I - Scrubber No. 102 [S - 7]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	14:40
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	Scrubber No. 102	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	11.8	35.0	By Morris B. Jacob
NOx	ppm	1.3	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0300/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Bulk Drug I - Scrubber No. 101 [S - 6]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	14:10
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	Scrubber No. 101	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	8.5	35.0	By Morris B. Jacob
NOx	ppm	1.8	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

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## TEST REPORT

Doc.No : GLPL/QF/7.8/03

Test Report No.	GA/22/02/238	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 01/03/2022

### SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Between BD III & D P Store Area			
Date of Sampling	22/02/2022			
Time of Sampling [Hrs]	16:40			
Duration of Sampling [Hrs]	24			
Ambient Temperature [°C]	Min.	24	Max.	31
Relative Humidity [%]	Min.	43	Max.	65

### ANALYSIS REPORT :-

Parameters	Unit	Between BD III & DP Store	*N.A.A.Q.S.	Sampling & Analysis Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	60.19	100.0	IS 5182 (Part XXIII) 2008
PM <sub>2.5</sub>	µg/m <sup>3</sup>	32.43	60.0	USEPA FEM, 40 CFR Part 50, Appendix-L, 2014-2016
SO <sub>2</sub>	µg/m <sup>3</sup>	32.69	80.0	IS 5182 (Part II) 2001
NO <sub>2</sub>	µg/m <sup>3</sup>	36.23	80.0	IS 5182 (Part VI) 2006
CO	mg/m <sup>3</sup>	1.16	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Lead	µg/m <sup>3</sup>	0.10	1.0	IS 5182 (Part XXII) 2004
Ozone	µg/m <sup>3</sup>	4.86	100.0 for 8 Hrs.	ISC Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, Method 411 2016
Ammonia	µg/m <sup>3</sup>	5.13	400.0	ISC Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, Method 401 2016
Non Methane Hydrocarbon Benzene	µg/m <sup>3</sup>	< 1.0	5.0	IS 5182 (Part 11) 2006
Benzo Pyrene	ng/m <sup>3</sup>	< 0.1	1.0	IS 5182 (Part XII):2004
Arsenic	ng/m <sup>3</sup>	< 0.4	6.0	IS 5182 (Part XXII) 2004
Nickel	ng/m <sup>3</sup>	6.38	20.0	IS 5182 (Part XXII) 2004

\*N.A.A.Q.S. - National Ambient Air Quality Standards

End

For GADARK LAB PVT. LTD.

*Kailas V. Chitalkar*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*Shikhar*

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Ambient Instrument No. 23	Calibrated On	Calibration Due Date
Fine Particulate Sampler S. No. 594-DTA-2018	08/10/2021	08/10/2022
Respirable Dust Sampler Sr. No. 1441-DTA-2018	07/10/2021	07/10/2022
Gaseoue Sampler Sr.. No. 1961-DTL-2017	07/10/2021	07/10/2022





# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB.: H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.

Tel.: (02362) 223519 • E-mail : info@gadark.in • Website : www.gadark.in

OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/03

Test Report No.	GA/22/02/237	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 01/03/2022

### SAMPLING DETAILS - AMBIENT AIR MONITORING :-

Sampling Location	Near Main Gate		Near D. G. Set Area	
Date of Sampling	22/02/2022		22/02/2022	
Time of Sampling [Hrs]	17:15		16:55	
Duration of Sampling [Hrs]	24		24	
Ambient Temperature [°C]	Min.	24	Max.	31
Relative Humidity [%]	Min.	43	Max.	65

### ANALYSIS REPORT :-

Parameters	Unit	Near Main Gate	D. G. Set Area	*N.A.A.Q.S.	Sampling & Analysis Methods
PM <sub>10</sub>	µg/m <sup>3</sup>	63.71	59.83	100.0	IS 5182 (Part XXIII) 2006
PM <sub>2.5</sub>	µg/m <sup>3</sup>	34.65	30.11	60.0	USEPA FEM, 40 CFR Part 50, Appendix-L, 2014-2018
SO <sub>2</sub>	µg/m <sup>3</sup>	34.98	32.43	80.0	IS 5182 (Part II) 2001
NO <sub>2</sub>	µg/m <sup>3</sup>	38.68	35.17	80.0	IS 5182 (Part VI) 2006
CO	mg/m <sup>3</sup>	1.21	1.04	2.0 for 8 Hrs.	IS 5182 (Part X) 1999
Lead	µg/m <sup>3</sup>	0.13	0.10	1.0	IS 5182 (Part XXII) 2004
Ozone	µg/m <sup>3</sup>	5.30	5.74	100.0 for 8 Hrs.	ISC Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, Method 411 2016
Ammonia	µg/m <sup>3</sup>	3.75	5.50	400.0	ISC Method of Air Sampling & Analysis 3 <sup>rd</sup> Edition, Method 401 2016
Non Methane Hydrocarbon Benzene	µg/m <sup>3</sup>	< 1.0	< 1.0	5.0	IS 5182 (Part 11) 2006
Benzo Pyrene	ng/m <sup>3</sup>	< 0.1	< 0.1	1.0	IS 5182 (Part XII):2004
Arsenic	ng/m <sup>3</sup>	< 0.4	< 0.4	6.0	IS 5182 (Part XXII) 2004
Nickel	ng/m <sup>3</sup>	5.15	5.07	20.0	IS 5182 (Part XXII) 2004

\*N.A.A.Q.S. - National Ambient Air Quality Standards

End

For GADARK LAB PVT. LTD.

*Kailas V. Chitalkar*

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[KAILAS V. CHITALKAR]

*SK*

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Ambient Instrument No. 21	Calibrated On	Calibration Due Date
Fine Particulate Sampler S. No. 412-DTE-2016	06/10/2021	06/10/2022
Respirable Dust Sampler Sr. No. 1368-DTE-2016	07/10/2021	07/10/2022
Gaseous Sampler Sr. No. 1713-DTF-2016	07/10/2021	07/10/2022

Ambient Instrument No. 22	Calibrated On	Calibration Due Date
Fine Particulate Sampler S. No. 593-DTA-2018	08/10/2021	08/10/2022
Respirable Dust Sampler Sr. No. 1440-DTA-2018	07/10/2021	07/10/2022
Gaseous Sampler Sr. No. 1933-DTJ-2017	07/10/2021	07/10/2022



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OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/22/02/231	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST.- PUNE		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 28/02/2022

### SAMPLING DETAILS - STACK EMISSION

Stack Attached to	Forbes Marshall Boiler MR No. 15855 (B-01) [S-2]
Stack Dimension [Mtr.]	0.76
Stack Height [Mtr.] (Height from Ground)	33.0
Type of Fuel	F.O
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	11.50
Temperature of flue gas [°C]	155
Average flue gas velocity [m/s]	4.6
Average volume of flue gas discharged [Nm³/hr]	5231

### ANALYSIS REPORT :

Parameters	Unit	Results	M.P.C.B. LIMITS	Sampling & Analysis Methods
TPM / SPM	mg/Nm³	60.4	150.0	IS 11255 (Part I) 1985
Sulphur Dioxide	mg/Nm³	205.0	260.0	IS 11255 (Part II) 1985
	ppm v/v	78.3		
	Kg/day	25.73		
Oxide of Nitrogen	mg/Nm³	30.7	Not Specified	IS 11255 (Part VII) 2005
CO	mg/m³	29.8	Not Specified	APHA-Edition II-134
CO₂	mg/m³	108.0	Not Specified	APHA-Edition II-134
Combustion Efficiency	%	69.8	--	

End

For GADARK LAB PVT. LTD.

*[Signature]*

AUTHORISED SIGNATORY  
[KAILAS V. CHITALKAR]

*[Signature]*

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Stack Kit No. – Make – Polltech, PEM-SMK-10, Sr. No. 2816	19/03/2021	18/03/2022



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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/22/02/232	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST.- PUNE		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 28/02/2022

### SAMPLING DETAILS - STACK EMISSION

Stack Attached to	IBR Steam Boiler Reg N.G. 151 (B-02) [S-2]
Stack Dimension [Mtr.]	0.76
Stack Height [Mtr.] (Height from Ground)	33.0
Type of Fuel	F.O.
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	10.30
Temperature of flue gas [°C]	138
Average flue gas velocity [m/s]	5.2
Average volume of flue gas discharged [Nm <sup>3</sup> /hr]	6158

### ANALYSIS REPORT :

Parameters	Unit	Results	M.P.C.B. LIMITS	Sampling & Analysis Methods
TPM / SPM	mg/Nm <sup>3</sup>	67.1	150.0	IS 11255 (Part I) 1985
Sulphur Dioxide	mg/Nm <sup>3</sup>	214.6	260.0	IS 11255 (Part II) 1985
	ppm v/v	82.0		
	Kg/day	31.72		
Oxide of Nitrogen	mg/Nm <sup>3</sup>	29.5	Not Specified	IS 11255 (Part VII) 2005
CO	mg/m <sup>3</sup>	25.2	Not Specified	APHA-Edition II-134
CO <sub>2</sub>	mg/m <sup>3</sup>	95.4	Not Specified	APHA-Edition II-134
Combustion Efficiency	%	70.7	--	

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY  
[KAILAS V. CHITALKAR]

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Stack Kit No. – Make – Polltech, PEM-SMK-10, Sr. No. 2816	19/03/2021	18/03/2022



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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/22/02/233	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST.- PUNE		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 28/02/2022

### SAMPLING DETAILS - STACK EMISSION

Stack Attached to	Thermopac W-1701 A [S-1]
Stack Dimension [Mtr.]	0.30
Stack Height [Mtr.] (Height from Ground)	30.0
Type of Fuel	HSD
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	11.20
Temperature of flue gas [°C]	126
Average flue gas velocity [m/s]	4.7
Average volume of flue gas discharged [Nm³/hr]	889

### ANALYSIS REPORT :

Parameters	Unit	Results	M.P.C.B. LIMITS	Sampling & Analysis Methods
TPM / SPM	mg/Nm³	42.3	150.0	IS 11255 (Part I) 1985
Sulphur Dioxide	mg/Nm³	99.9	23.0	IS 11255 (Part II) 1985
	ppm v/v	38.2		
	Kg/day	2.13		
Oxide of Nitrogen	mg/Nm³	31.3	Not Specified	IS 11255 (Part VII) 2005
CO	mg/m³	28.6	Not Specified	APHA-Edition II-134
CO₂	mg/m³	117.0	Not Specified	APHA-Edition II-134
Combustion Efficiency	%	72.2	---	

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Stack Kit No. – Make – Polltech, PEM-SMK-10, Sr. No. 2816	19/03/2021	18/03/2022





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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/22/02/234	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST.- PUNE		
Letter Ref / Date		Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 28/02/2022

### SAMPLING DETAILS - STACK EMISSION

Stack Attached to	D. G. Set No. 1 250 KVA [S-3]
Stack Dimension [Mtr.]	0.13
Stack Height [Mtr.] (from above the Roof)	4.0
Type of Fuel	HSD
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	11.45
Temperature of flue gas [°C]	133
Average flue gas velocity [m/s]	8.3
Average volume of flue gas discharged [Nm³/hr]	291

### ANALYSIS REPORT :

Parameters	Unit	Results	M.P.C.B. LIMITS	Sampling & Analysis Methods
TPM / SPM	mg/Nm³	41.1	150.0	IS 11255 (Part I) 1985
Sulphur Dioxide	mg/Nm³	109.7	24.0	IS 11255 (Part II) 1985
	ppm v/v	41.9		
	Kg/day	0.77		
Oxide of Nitrogen	mg/Nm³	28.9	Not Specified	IS 11255 (Part VII) 2005
CO	mg/m³	27.5	Not Specified	APHA-Edition II-134
CO₂	mg/m³	108.0	Not Specified	APHA-Edition II-134
Combustion Efficiency	%	71.4	—	—

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY  
[KAILAS V. CHITALKAR]

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Stack Kit No. – Make – Polltech, PEM-SMK-10, Sr. No. 2816	19/03/2021	18/03/2022



# GADARK LAB PVT. LTD.

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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/22/02/235	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST.- PUNE		
Letter Ref / Date		Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 28/02/2022

### SAMPLING DETAILS - STACK EMISSION

Stack Attached to	D. G. Set No. 2 500 KVA [S-4]
Stack Dimension [Mtr.]	0.2
Stack Height [Mtr.] (from above the Roof)	5.0
Type of Fuel	HSD
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	12.00
Temperature of flue gas [°C]	135
Average flue gas velocity [m/s]	8.8
Average volume of flue gas discharged [Nm³/hr]	727

### ANALYSIS REPORT :

Parameters	Unit	Results	M.P.C.B. LIMITS	Sampling & Analysis Methods
TPM / SPM	mg/Nm³	34.6	150.0	IS 11255 (Part I) 1985
Sulphur Dioxide	mg/Nm³	97.7	48.0	IS 11255 (Part II) 1985
	ppm v/v	37.3		
	Kg/day	1.70		
Oxide of Nitrogen	mg/Nm³	30.0	Not Specified	IS 11255 (Part VII) 2005
CO	mg/m³	28.9	Not Specified	APHA-Edition II-134
CO₂	mg/m³	108.9	Not Specified	APHA-Edition II-134
Combustion Efficiency	%	70.6	---	---

End

For GADARK LAB PVT. LTD.

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Stack Kit No. – Make – Politech, PEM-SMK-10, Sr. No. 2816	19/03/2021	18/03/2022



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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/22/02/236	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST.- PUNE		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022 To 28/02/2022

### SAMPLING DETAILS - STACK EMISSION

Stack Attached to	D. G. Set No. 3 750 KVA [S-5]
Stack Dimension [Mtr.]	0.2
Stack Height [Mtr.] (from above the Roof)	6.0
Type of Fuel	HSD
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	12.20
Temperature of flue gas [°C]	138
Average flue gas velocity [m/s]	8.9
Average volume of flue gas discharged [Nm <sup>3</sup> /hr]	730

### ANALYSIS REPORT :

Parameters	Unit	Results	M.P.C.B. LIMITS	Sampling & Analysis Methods
TPM / SPM	mg/Nm <sup>3</sup>	36.8	150.0	IS 11255 (Part I) 1985
Sulphur Dioxide	mg/Nm <sup>3</sup>	107.3	72.0	IS 11255 (Part II) 1985
	ppm v/v	41.0		
	Kg/day	1.88		
Oxide of Nitrogen	mg/Nm <sup>3</sup>	30.4	Not Specified	IS 11255 (Part VII) 2005
CO	mg/m <sup>3</sup>	22.9	Not Specified	APHA-Edition II-134
CO <sub>2</sub>	mg/m <sup>3</sup>	82.8	Not Specified	APHA-Edition II-134
Combustion Efficiency	%	69.7	---	---

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY  
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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Stack Kit No. – Make – Polltech, PEM-SMK-10, Sr. No. 2816	19/03/2021	18/03/2022



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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0300/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Bulk Drug I - Scrubber No. 101 [S - 6]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	14:10
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	Scrubber No. 101	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	8.5	35.0	By Morris B. Jacob
NOx	ppm	1.8	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

**CHECKED BY**

**Note :**

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3. Samples will be preserved for a period 15 days from the delivery of Test Report.
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5. Customer complaint register is available at laboratory.
6. Calibration details of the equipment's used in monitoring and / or analysis is back side of analysis report.



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB.: H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.

Tel. : (02362) 223519 • E-mail : info@gadark.in • Website : www.gadark.in

OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0301/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Bulk Drug I - Scrubber No. 102 [S - 7]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	14:40
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	Scrubber No. 102	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	11.8	35.0	By Morris B. Jacob
NOx	ppm	1.3	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

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**[KAILAS V. CHITALKAR]**

**CHECKED BY**

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## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0302/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Bulk Drug II - Scrubber No. 206 [S - 8]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	15:10
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	Scrubber No. 206	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	13.5	35.0	By Morris B. Jacob
NOx	ppm	1.7	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

**CHECKED BY**

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Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/02

Test Report No.	GA/CL/0303/22	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL.- DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Done By	GLPL	Sample Received on	24/02/2022
Sampling Plan	GLPL/QF/7.3/06	Analysis Period	25/02/2022

### SAMPLING DETAILS - SCRUBBER EMISSION

Stack Attached to	Deactivation Booth ETP [SBR - 01]
Date of Sample collection	23/02/2022
Time of Sampling [Hrs]	15:40
Duration of Sampling [Min]	15
Ambient Temperature [°C]	32
Flow Rate [LPM]	2
Volume of flue gas sampled [Lit. at 25°C]	29.3

### ANALYSIS REPORT :

Parameters	Unit	SBR-01	M.P.C.B. LIMITS	Sampling & Analysis Methods
Acid Mist as HCl	mg/Nm <sup>3</sup>	15.2	35.0	By Morris B. Jacob
NOx	ppm	1.5	50.0	IS 11255 (Part VII) 2005

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

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## TEST REPORT

Doc. No: GLPL/QF/7.8/01

Test Report No.	GW/O/22/0505	Report Date	28/02/2022
Customer Name and Address	M/s. CIPLA LTD. UNIT NO 3, D - 22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref/Date	---		
Lab Reference No.	GW/O/22/0505	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Sampling Method	APHA 1060
Sampling Done By	GLPL On 23/02/2022	Sample Received on	24/02/2022
Sample Collected by	GLPL	Analysis Period	24/02/2022 To 28/02/2022
Sample Description	RO permeate Sample, 5 lit in plastic bottle		

### ANALYSIS REPORTS:

Parameters	Units	Test Result	Specification Range as per MPCB Limits	Methods
pH	---	7.54	5.5 To 9.0	APHA 4500 H <sup>+</sup>
COD	mg/ltr	20	250 Max.	APHA 5220 B
BOD 3 days 27°C	mg/ltr	4	30 Max.	IS 3025 (Part 44) : 1993
Total Suspended Solids at 105°C	mg/ltr	8	100 Max.	APHA 2540 D
Total Dissolved Solids at 180°C	mg/ltr	252	2100 Max.	APHA 2540 C
Oil & Grease	mg/ltr	< 0.1	10 Max.	APHA 5520 B
Chlorides	mg/ltr	58.48	600 Max.	APHA 4500 Cl <sup>-</sup>
Sulphates	mg/ltr	7	1000 Max.	APHA 4500 SO <sub>4</sub> <sup>2-</sup> E
Sulphides	mg/ltr	< 0.001	0.2 Max	APHA 4500 SF
Bio-assay Test (Survival of Fish after 96 hours in undiluted Treated Effluent)	%	98	90% survival of fish after 96 hours in 100% effluent as per The Environmental (Protection) Rules, 1986 (Schedule - VI)	IS 6582/2003

End

For GADARK LAB PVT. LTD.

AUTHORISED SIGNATORY  
[SANTOSH V. ZULPE]

topagayathkar  
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Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc. No: GLPL/QF/7.8/01

Test Report No.	GW/O/22/0506	Report Date	28/02/2022
Customer Name and Address	<b>M/s. CIPLA LTD.</b> <b>UNIT NO 3, D - 22, MIDC INDUSTRIAL AREA,</b> <b>KURKUMBH, TAL. - DAUND, DIST. - PUNE.</b>		
Letter Ref/Date	---		
Lab Reference No.	GW/O/22/0506	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Sampling Method	APHA 1060
Sampling Done By	GLPL On 23/02/2022	Sample Received on	24/02/2022
Sample Collected by	GLPL	Analysis Period	24/02/2022 To 28/02/2022
Sample Description	Equalisation Tank Water Sample, 1 lit in plastic bottle		

### ANALYSIS REPORTS:

Parameters	Units	Test Results	Methods
pH	---	7.36	APHA 4500 H <sup>+</sup>
Suspended Solids at 105°C	mg/ltr	128	APHA 2540 D
COD	mg/ltr	12026	APHA 5220 B
BOD 3 days 27°C	mg/ltr	3600	IS 3025 (Part 44) : 1993
Oil & Grease	mg/ltr	6	APHA 5520 B
Total Dissolved Solids at 180°C	mg/ltr	1798	APHA 2540 C
Chlorides	mg/ltr	404.55	APHA 4500 Cl <sup>-</sup>
Sulphates	mg/ltr	12.75	APHA 4500 SO <sub>4</sub> <sup>2-</sup> E
Sulphide	mg/ltr	0.15	APHA 4500 SF

End

For GADARK LAB PVT. LTD.

  
**AUTHORISED SIGNATORY**  
**[SANTOSH V. ZULPE]**

  
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Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc. No: GLPL/QF/7.8/01


Test Report No.	GW/O/22/0507	Report Date	28/02/2022
Customer Name and Address	<b>M/s. CIPLA LTD.</b> <b>UNIT NO 3, D- 22, MIDC INDUSTRIAL AREA,</b> <b>KURKUMBH, TAL. - DAUND, DIST. - PUNE.</b>		
Letter Ref/Date	---		
Lab Reference No.	GW/O/22/0507	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Sampling Method	APHA 1060
Sampling Done By	GLPL On 23/02/2022	Sample Received on	24/02/2022
Sample Collected by	GLPL	Analysis Period	24/02/2022 To 28/02/2022
Sample Description	Domestic Water Sample, 1 lit in plastic bottle.		

### ANALYSIS REPORTS:

Parameters	Units	Test Result	Methods
pH	---	5.49	APHA 4500 H <sup>+</sup>
COD	mg/ltr	688	APHA 5220 B
BOD 3 days 27°C	mg/ltr	196	IS 3025 (Part 44) : 1993
Total Suspended Solids at 105°C	mg/ltr	172	APHA 2540 D

End

For GADARK LAB PVT. LTD.

  
**AUTHORISED SIGNATORY**  
**[SANTOSH V. ZULPE]**

  
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## TEST REPORT

Doc.No: GLPL/QF/7.8/06

Test Report No.	GS/22/0023	Report Date	09/03/2022
Customer Name and Address	<b>M/s. CIPLA LTD.</b> <b>UNIT NO 3, D - 22, MIDC INDUSTRIAL AREA,</b> <b>KURKUMBH, TAL. - DAUND, DIST. - PUNE.</b>		
Letter Ref/Date	---		
Lab Reference No.	GS/22/0023	Page No.	1 of 1
Sampling Done By	GLPL On 23/02/2022	Sample Received on	24/02/2022
Sample Collected by	GLPL	Analysis Period	24/02/2022 To 09/03/2022
Sample Description	ETP Sludge Sample, 1 kg plastic bag		

### ANALYSIS REPORTS:

Parameters	Units	Test Results	CPCB Guidelines HAZwams/2009/2010
<b>1 – Physical Parameters</b>			
Texture	---	Solid	Not Specified
Colour	---	Blackish	Not Specified
Stability	---	Stable	Not Specified
React With Water	---	No Reaction	Not Specified
<b>2- Chemical Parameters</b>			
pH	---	5.85	> 4 To < 12
LOD @ 105 °C	%	25.33	< 40
LOI @ 550 °C on dry basis	%	10.5	< 20
ASH @ 850 °C on dry basis	%	73.34	Not Specified
Calorific Value	cal/gm	1010	< 2500
<b>3- Heavy Metal</b>			
<b>Class 'A'</b>			
Cadmium	mg/kg	0.169	50
<b>Class 'B'</b>			
Lead	mg/kg	< 0.001	5000
Chromium	mg/kg	17.161	
Copper	mg/kg	29.274	
Nickel	mg/kg	10.533	
<b>Class 'C'</b>			
Zinc	mg/kg	152.232	20000
Iron	mg/kg	7527.259	

End

For GADARK LAB PVT. LTD.

  
**AUTHORISED SIGNATORY**  
**[SACHIN B. GAONKAR]**

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**CHECKED BY**



**MAHARASHTRA**  
**ENVIRO POWER LTD**  
 ISO 9001:2000, EMS 14001:2004, OHSAS 18001:2007 Certified Company  
 (Condition Hazardous Waste Treatment, Storage and Disposal Facility)  
 The Corporate Identity Number (CIN) : U40105MH2005PLC190780

Doc No.: SMS/MEPL/IMS/MKT/PMC  
 Issue/Rev. No.: 04/00  
 Rev. Date: 01.02.2017

**MAHARASHTRA**  
**ENVIRO POWER LTD**

This is to certify that: **M/S. CIPLA LTD.**  
 Address : **UNIT III, D - 22, MIDC Kurkumbh, Tal.- Daund, Dist. - Pune**  
**413802** a Valid member of CHWTSDF (As per MOU with MIDC & MPCB),  
 at Plot No. P-56, Ranjangaon MIDC, Taluka - Shirur, Pune - 412 220.

**Membership No. : MEPL/CPM014**

**Membership Period: 21 September 2017 to 20 September 2022**

**For Maharashtra Enviro Power Ltd.**

Authorized signatory



Marketing Coordinator

**CHWTSDF : Plot No. P-56, Ranjangaon, Tal. Shirur, Dist. Pune. Pin-412220. Ph : +91-2138-670352, Telefax : +91-2138-670350**

**Pune Office :** 301, Pentagon P-3, Magarpatta Township, Hadapsar,  
 Pune - 411028. (Mah), India. Ph. : +91-20-66801111 Fax : +91-20-66801100  
**E-mail :** info@mepl@smsl.co.in **Web :** www.smsenvocare.co.in, www.smsl.co.in  
**Ragd. Office :** 267, Ganesh Phadnavis Bhavan, Near Triangular Park,  
 Dharampeth, Nagpur. Ph. : +91-0712-2551952/53 **Telefax :** +91-0712-6665100

**Marketing Office (Abd) :** Bharat Bazar Commercial Complex, 1-Wing, 2nd Floor, Near API Corner,  
 MIDC Area, Chikalthana, Aurangabad - 431210. Ph. : +91-240-2473047 Fax : +91-240-2470145  
**E-mail :** info@mepl@smsl.co.in **Web :** www.smsl.co.in, www.smsmepl.com  
**Corporate Office :** 20, IT Park, Parsodi, Nagpur - 440022.  
 Ph. : +91-0712-6665000 **Telefax :** +91-0712-6665100







# Maharashtra Pollution Control Board

## 60f5103d1296dd4f4f51262f

### MAHARASHTRA POLLUTION CONTROL BOARD

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



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

RED/L.S.I (R58)

No:- Format 1.0/CAC/UAN No.0000109542/CR -2107001039

Date: 19/07/2024

To,  
M/s Cipla Ltd.,  
Plot No. D-22, MIDC Industrial Area, Kurkumbh,  
Tal. Daund, Dist. Pune.



Your Service is Our Duty

**Sub: Grant of renewal of Consent to Operate.**

- Ref:**
1. Previous Consent to Operate accorded by the Board vide No. Format 1.0/BO/ CAC-Cell/ UAN No. 000000345/ 4th CAC-10722 dtd. 30.11.2016.
  2. Minutes of Consent Appraisal Committee meeting held on 21.05.2021 & 02.06.2021.

Your application No.MPCB-CONSENT-0000109542 Dated 26.02.2021

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.160.26 Crs. (As per C.A Certificate submitted by Industry Previous C.I. Rs. 124.23 Crs + Increase In C.I. Rs. 36.03 Crs)
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products			
Anti-Retroviral/Anti-Viral			
1	Abacavir Sulphate	35	MT/A
2	Dolutegravir Sodium	31	MT/A
3	Tenofovir Disoproxil Fumarate	9	MT/A
4	Tenofovir Alafenamide Fumarate	0.1	MT/A
5	Emtricitabine	8.8	MT/A
6	Nevirapine / Nevirapine Hemihydrate	1.5	MT/A
7	Remdesivir	0.5	MT/A
8	Zidovudine	0.5	MT/A
9	Oseltamivir Phosphate	20	MT/A
10	Valacyclovir Hydrochloride	0.2	MT/A



# Maharashtra Pollution Control Board

## 60f5103d1296dd4f4f51262f

Sr No	Product	Maximum Quantity	UOM
11	Molnupiravir	1	MT/A
12	Bictegravir	0.1	MT/A
13	Lamivudine	15	MT/A
14	Baloxavir Marboxil	1	MT/A
15	Cabotegravir sodium	5	MT/A
Anti Bacterial/Fungal			
16	Terbinafine Hydrochloride	14	MT/A
Anti-Androgen			
17	Danazol	0.05	MT/A
18	Cyproterone Acetate	0.7	MT/A
Anti inflammatory			
19	Tafamidis	1	MT/A
20	Eluxadoline	0.1	MT/A
Anti Inflammatory/ Histamine			
21	Fexofenadine Hydrochloride	0.1	MT/A
Chelating Agent			
22	Sodium thiosulfate pentahydrate	0.5	MT/A
23	Deferasirox	0.5	MT/A
24	Edaravone	0.1	MT/A
25	Deferiprone	0.1	MT/A
Anti-Depressant			
26	Escitalopram Oxalate	0.1	MT/A
27	Citalopram Hydrobromide	0.1	MT/A
Anti-Neoplastic			
28	Estramustine Sodium Phosphate	0.04	MT/A
29	Ondansetron Base / HCL	0.5	MT/A
30	Exemestane	0.5	MT/A
Anti-Dibetic			
31	Rosiglitazone Maleate	0.05	MT/A
32	Dapagliflozin	0.05	MT/A
33	Empagliflozin	0.05	MT/A
Estrogenic			
34	Levonorgestrel	0.01	MT/A
Bronchodilator			
35	Formoterol Fumarate /FC-V	0.5	MT/A
Anti-Parkinson			
36	Pramipexole Dihydrochloride / PX-IV	0.25	MT/A
Cardiac			
37	Carvedilol	1	MT/A



# Maharashtra Pollution Control Board

## 60f5103d1296dd4f4f51262f

Sr No	Product	Maximum Quantity	UOM
38	Trimetazidine	1	MT/A

Total production shall not increase 150 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	112	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	38	As per Schedule-I	Sent to ETP

#### 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	Thermopac (2 x 2 Kcal/hr - 1 Standby)	1	As per Schedule -II
2	S-2	Boiler (2 x 2 TPH - 1 Standby)	1	As per Schedule -II
3	S-3 to S-5	DG Sets (250, 500 & 750 KVA)	3	As per Schedule -II
4	S-6 to S-12	Process Vents (7 Nos.)	7	As per Schedule -II

#### 6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Plastic, Glass, Ferrous , Wooden & Metal Scrap.	132	MT/A	NA	Sale to Auth. Party/ Vendor

#### 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	2.020	KL/A	Recycle	Sale to Auth. Party/ Recycler/ CHWTSDF
2	20.2 Spent solvents	3651.4	KL/A	Recycle/ Incineration	Sale to Auth. Party/ CHWTSDF
3	28.3 Spent carbon	10.6	MT/A	Incineration	CHWTSDF
4	28.5 Date-expired products	0.210	MT/A	Incineration	CHWTSDF
5	35.3 Chemical sludge from waste water treatment	42.1	MT/M	Landfill	CHWTSDF
6	37.1 Sludge from wet scrubbers	0.10	MT/A	Landfill after treatment	CHWTSDF
7	37.3 Concentration or evaporation residues	287.5	MT/A	Landfill after treatment	CHWTSDF



# Maharashtra Pollution Control Board

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Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
8	28.6 Spent solvents	259.2	MT/A	Recycle/ Incineration	Sale to Auth. Party/ CHWTSDf
9	28.2 Spent catalyst	90	MT/A	Recycle/ Secured Landfill	Sale to Auth. Party/ CHWTSDf
10	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1200	Nos./Y	Recycle	Sale to Auth. Party/ CHWTSDf
11	35.4 Oil and grease skimming	63	MT/A	Incineration	CHWTSDf

### 8. Conditions under E-Waste Management:

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	E- Waste	4.00	MT/A	Sale to Auth. E-waste Handler/ Recycler

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- Industry shall operate & maintain ETP and 100% recycle treated effluent for cooling and boiler water makeup to achieve ZLD.
- Industry shall ensure OCEMS installation including IP Camera and its connectivity to Board's Server as per CPCB guideline.
- PP shall submit/ extend the existing Bank Guarantee of Rs. 25.0 Lakh towards operation & maintenance of pollution control systems and towards compliance of consent conditions.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare IAS),  
Member Secretary

### Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1209560.00	MPCB-DR-4689	01/03/2021	RTGS

Balance fees of Rs. 1,73,000/- will be considered at the time of next renewal of Consent.

### Copy to:

- Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I  
They are directed to ensure the compliance of the consent conditions.
- Chief Accounts Officer, MPCB, Sion, Mumbai
- CC-CAC Desk- for record & website updating purpose.



**Terms & conditions for compliance of Water Pollution Control:**

1. A) As per your application, you have segregated trade effluent into weak stream & strong stream and provided Effluent Treatment Plant (ETP) comprising of:
  - i) **Strong COD/TDS stream of 30 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank) , Multi effect evaporator with design capacity of 30 CMD followed by Sludge treatment (VTFD (10 CMD)). The MEE condensate is treated in weak stream ETP.
  - ii) **Weak COD/TDS stream of 82 CMD** - Treatment system comprising of Primary (Collection tank, Neutralization tank), Secondary (Any other, Unaerobic tank, Aerobic tank, Clarifier, Tube settler.), Tertiary (Pressure sand filter, Activated carbon filter), Advance treatment (Ultra-filtration and Reverse Osmosis (150 CMD).) with design capacity of 150 CMD.
- 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, 38 CMD domestic effluent is send to Effluent Treatment Plant for further treatment & disposal.
- 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 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	60.00
2.	Domestic purpose	40.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	100.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00



# Maharashtra Pollution Control Board

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Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
5.	Gardening	30

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/pro posed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Thermopac (2 x 2 Kcal/hr - 1 Standby)	Stack	30.00	HSD 48 Kg/Hr	1	SO <sub>2</sub>	23 Kg/Day
S-2	Boiler (2 x 2 TPH - 1 Standby)	Stack	33.00	FO 120 Kg/Hr	4.5	SO <sub>2</sub>	260 Kg/Day
S-3	DG Set (250 KVA)	Acoustic Enclosure/ Stack	4.00	HSD 50 Kg/Hr	1	SO <sub>2</sub>	24 Kg/Day
S-4	DG Set (500 KVA)	Acoustic Enclosure/ Stack	5.00	HSD 100 Kg/Hr	1	SO <sub>2</sub>	48 Kg/Day
S-5	DG Set (750 KVA)	Acoustic Enclosure/ Stack	6.00	HSD 150 Kg/Hr	1	SO <sub>2</sub>	72 Kg/Day
S-6	Process Vent-1 (BD-I)	Water Scrubber	3.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NO <sub>x</sub>	50 PPM
S-7	Process Vent-2 (BD-I)	Water Scrubber	6.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NO <sub>x</sub>	50 PPM
S-8	Process Vent-3 (BD-II)	Caustic Scrubber	6.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NO <sub>x</sub>	50 PPM
S-9	Process Vent-4 (BD-II)	Caustic Scrubber	4.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NO <sub>x</sub>	50 PPM
S-10	Process Vent-5 (BD-III)	Water Scrubber	6.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NO <sub>x</sub>	50 PPM
S-11	Process Vent-6 (BD-IV)	Water Scrubber	4.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NO <sub>x</sub>	50 PPM



# Maharashtra Pollution Control Board

## 60f5103d1296dd4f4f51262f

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant Standard	
S-12	Process Vent-7 (BD-IV)	Water Scrubber	9.00	-	-	HCl	35 Mg/Nm <sup>3</sup>
						NOx	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 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.
4. 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).
5. Solvent Management shall be carried out as follows:
  - a. Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
  - b. Reactors and solvent handling pumps shall have mechanical seals to prevent the leakages.
  - c. The condensers shall be provided with adequate Heat transfer area (HTA) and residence time so as to achieve more than 97% overall recovery
  - d. Solvents shall be stored in a separate space specified with all safety measures.
  - e. Proper earthing shall be provided in all the equipment's, wherever solvent handling is done.
  - f. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
  - g. All the solvent storage tanks shall be connected with vent condensers with Water / chilled water / Brine circulation.
  - h. Fugitive emissions shall be controlled at 99.95% with effective chillers.
  - i. Solvent transfer shall be through pump.
  - j. Metering and control of quantities of active ingredients to minimize wastes.
  - k. Use of automatic filling to minimize spillage.
  - l. Use of close feed system into batch reactors.
  - m. Venting equipment through vapour recovery system.



# Maharashtra Pollution Control Board

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### 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	C2R	2500000	Within 15 days	Towards O&M of pollution control systems and towards compliance of the Consent conditions	30.04.2024	31.08.2024

### BG Forfeiture History

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

### BG Return details

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

### SCHEDULE-IV General Conditions:

1. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. The Energy source for lighting purpose shall preferably be LED based
6. 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
7. 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.





# Maharashtra Pollution Control Board

## 60f5103d1296dd4f4f51262f

- 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.
8. The applicant shall maintain good housekeeping.
  9. 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.
  10. 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.
  11. 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.
  12. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
  13. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  14. 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.
  15. 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.
  16. 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.
  17. The PP shall provide personal protection equipment as per norms of Factory Act
  18. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.



# Maharashtra Pollution Control Board

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19. 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.
20. 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.
21. 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.
22. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
23. 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).
24. 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.
25. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
26. The industry should not cause any nuisance in surrounding area.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.



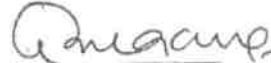
# Maharashtra Pollution Control Board

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32. 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.
33. 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.
34. 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.
35. 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.
36. 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).
37. 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,



  
(Ashok Shingare IAS),  
Member Secretary



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB.: H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.

Tel.: (02362) 223519 • E-mail: info@gadark.in • Website: www.gadark.in

OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/06

Test Report No.	GA/22/02/239	Test Report Date	01/03/2022
Customer Name and Address.	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date		Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :

Date of Measurement	23/02/2022
Location	Near Main Gate
Test Method	GLPL/SOP/AA/17:2014

Time (Hrs.)	Noise Level dB(A)	Time (Hrs.)	Noise Level dB(A)
06:00	63.2	22:00	55.8
07:00	62.5	23:00	53.9
08:00	63.1	00:00	55.2
09:00	61.7	01:00	56.0
10:00	60.0	02:00	55.8
11:00	53.8	03:00	56.7
12:00	56.2	04:00	58.1
13:00	53.9	05:00	58.6
14:00	56.6	06:00	64.0
15:00	58.1		
16:00	61.2		
17:00	60.5		
18:00	56.7		
19:00	57.9		
20:00	56.3		
21:00	59.1		
22:00	55.8		
Day Time Leq	59.6	Night Time Leq	58.3
M.P.C.B. LIMIT	75.0	M.P.C.B. LIMIT	70.0

End

For GADARK LAB PVT. LTD.

*Blit*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*SK*

**CHECKED BY**

**Note :**

1. The results relate only to the samples tested.
2. Test Report shall not be reproduced except in full, without written approval of the laboratory.
3. Test Results relate only to the conditions prevailing at the time of sampling.
4. Customer complaint register is available at laboratory.
5. Calibration details of the equipment's used in monitoring and / or analysis is back side of analysis report.

CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Sound Level Meter Sr. No..297 / 02 /20, ACD Model – S- 4000	04/06/2021	03/06/2022



# GADARK LAB PVT. LTD.

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OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83,

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/06

Test Report No.	GA/22/02/240	Test Report Date	01/03/2022
Customer Name and Address.	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :

Date of Measurement	23/02/2022
Location	Between BD III & D.P Store Area
Test Method	GLPL/SOP/AA/17:2014

Time (Hrs.)	Noise Level dB(A)	Time (Hrs.)	Noise Level dB(A)
06:10	60.1	22:10	53.4
07:10	59.3	23:10	56.7
08:10	56.9	00:10	55.3
09:10	54.7	01:10	57.8
10:10	57.5	02:10	54.6
11:10	58.4	03:10	58.0
12:10	56.2	04:10	56.9
13:10	58.7	05:10	59.2
14:10	59.6		
15:10	57.3		
16:10	55.2		
17:10	57.1		
18:10	58.9		
19:10	54.4		
20:10	55.6		
21:10	52.7		
Day Time Leq	57.2	Night Time Leq	56.8
M.P.C.B. LIMIT	75.0	M.P.C.B. LIMIT	70.0

End

For GADARK LAB PVT. LTD.

*R. K. K.*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*[Signature]*

**CHECKED BY**

**Note :**

1. The results relate only to the samples tested.
2. Test Report shall not be reproduced except in full, without written approval of the laboratory.
3. Test Results relate only to the conditions prevailing at the time of sampling.
4. Customer complaint register is available at laboratory.
5. Calibration details of the equipment's used in monitoring and / or analysis is back side of analysis report.

IN DETAILS OF EQUIPMENT USED FOR SAMPLING

Instrument Type	Calibrated On	Calibration Due Date
r Sr. No, 297 / 02 /20, 000	04/06/2021	03/06/2022



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

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## TEST REPORT

Doc.No : GLPL/QF/7.8/06

Test Report No.	GA/22/02/241	Test Report Date	01/03/2022
Customer Name and Address.	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :

Date of Measurement	23/02/2022
Location	Near Utility & ETP Area
Test Method	GLPL/SOP/AA/17:2014

Time (Hrs.)	Noise Level dB(A)	Time (Hrs.)	Noise Level dB(A)
06:45	63.3	22:45	58.4
07:45	61.6	23:45	55.7
08:45	60.8	00:45	54.9
09:45	64.2	01:45	56.2
10:45	61.5	02:45	57.1
11:45	63.4	03:45	59.5
12:45	60.9	04:45	60.8
13:45	64.1	05:45	62.3
14:45	57.5		
15:45	58.7		
16:45	56.8		
17:45	58.3		
18:45	57.1		
19:45	58.0		
20:45	51.2		
21:45	55.9		
Day Time Leq	60.5	Night Time Leq	58.8
M.P.C.B. LIMIT	75.0	M.P.C.B. LIMIT	70.0

End

For GADARK LAB PVT. LTD.

*[Signature]*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*[Signature]*

**CHECKED BY**

**Note :**

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5. Calibration details of the equipment's used in monitoring and / or analysis is back side of analysis report.



DETAILS OF EQUIPMENT USED FOR SAMPLING

Equipment Type	Calibrated On	Calibration Due Date
Ir. No. 207 / 02 /20, 0	04/06/2021	03/06/2022



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB.: H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525.

Tel.: (02362) 223519 • E-mail: info@gadark.in • Website: www.gadark.in

OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.  
Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/06

Test Report No.	GA/22/02/242	Test Report Date	01/03/2022
Customer Name and Address.	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :

Date of Measurement	23/02/2022
Location	Near D. G. Set Area
Test Method	GLPL/SOP/AA/17:2014

Time (Hrs.)	Noise Level dB(A)	Time (Hrs.)	Noise Level dB(A)
06:25	58.4	22:25	56.7
07:25	57.8	23:25	54.5
08:25	59.6	00:25	55.3
09:25	56.3	01:25	54.2
10:25	58.1	02:25	53.8
11:25	57.5	03:25	54.6
12:25	56.2	04:25	55.8
13:25	59.0	05:25	57.9
14:25	58.6		
15:25	55.8		
16:25	54.3		
17:25	57.4		
18:25	56.8		
19:25	54.9		
20:25	57.1		
21:25	53.5		
Day Time Leq	57.0	Night Time Leq	55.6
M.P.C.B. LIMIT	75.0	M.P.C.B. LIMIT	70.0

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

**CHECKED BY**

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Sound Level Meter Sr. No. 297 / 02 /20, ACD Model – S- 4000	04/06/2021	03/06/2022



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

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OFF.: 15, Hindustan Kohinoor Industrial Complex, L.B.S. Marg, Vikhroli (West), Mumbai - 83.

Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No : GLPL/QF/7.8/05

Test Report No.	GA/22/02/243	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date	---	Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :-

Date of Measurement	23/02/2022
Time of Measurement (Hrs.)	11:45
Test Method	GLPL/SOP/AA/17:2014

### NEAR D. G. SET NO. 1 (250 KVA) [S-5] :-

Sr. No.	Sampling Location 0.5 Meter Away from D.G. Set	Noise Level Measurement in dB(A)		
		Acoustic Door Open (X)	Acoustic Door Closed (Y)	Insertion Loss (X - Y)
1.	East	99.8	73.9	25.9
2.	West	98.7	73.2	25.5
3.	South	98.6	72.8	25.8
4.	North	97.0	71.3	25.7
MPCB Limit (X - Y)				> 25.0

End

For GADARK LAB PVT. LTD.

*Kailas*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*SK*

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5. Calibration details of the equipment's used in monitoring and / or analysis is back side of analysis report.

CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Sound Level Meter Sr. No. 297 / 02 /20, ACD Model -- S- 4000	04/06/2021	03/06/2022



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

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## TEST REPORT

Doc.No : GLPL/QF/7.8/05

Test Report No.	GA/22/02/244	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date		Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :-

Date of Measurement	23/02/2022
Time of Measurement (Hrs.)	12:00
Test Method	GLPL/SOP/AA/17:2014

### NEAR D. G. SET NO. 2 (500 KVA) [S-4] :-

Sr. No.	Sampling Location 0.5 Meter Away from D.G. Set	Noise Level Measurement In dB(A)		
		Acoustic Door Open (X)	Acoustic Door Closed (Y)	Insertion Loss (X - Y)
1.	East	100.3	74.5	25.8
2.	West	98.5	72.9	25.6
3.	South	99.7	74.0	25.7
4.	North	98.8	73.2	25.6
MPCB Limit (X - Y)				> 25.0

End

For GADARK LAB PVT. LTD.

*Reiter*

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

*SAH*

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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Sound Level Meter Sr. No, 297 / 02 /20, ACD Model – S- 4000	04/06/2021	03/06/2022



# GADARK LAB PVT. LTD.

## INDUSTRIAL ANALYSTS & CONSULTANTS

LAB.: H-54, Additional M.I.D.C. Kudal, Taluka - Kudal, District - Sindhudurg - 416 525

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Tel.: (022) 2577 7069 / 2577 7070 / 2085 0091 • +91 93213 12367

## TEST REPORT

Doc.No: GLPL/QF/7.8/05

Test Report No.	GA/22/02/245	Test Report Date	01/03/2022
Customer Name and Address	M/s. CIPLA LTD. D-22, MIDC INDUSTRIAL AREA, KURKUMBH, TAL. - DAUND, DIST. - PUNE.		
Letter Ref / Date		Page No.	1 of 1
Sampling Plan	GLPL/QF/7.3/06	Measurement Done By	GLPL

### NOISE LEVEL MEASUREMENT :-

Date of Measurement	23/02/2022
Time of Measurement (Hrs.)	12:20
Test Method	GLPL/SOP/AA/17:2014

### NEAR D. G. SET NO. 2 (750 KVA) [S-6] :-

Sr. No.	Sampling Location 0.5 Meter Away from D.G. Set	Noise Level Measurement in dB(A)		
		Acoustic Door Open (X)	Acoustic Door Closed (Y)	Insertion Loss (X - Y)
1.	East	98.6	73.0	25.6
2.	West	99.6	73.8	25.8
3.	South	97.9	72.3	25.6
4.	North	98.0	72.1	25.9
		MPCB Limit (X - Y)		> 25.0

End

For GADARK LAB PVT. LTD.

**AUTHORISED SIGNATORY**  
**[KAILAS V. CHITALKAR]**

**CHECKED BY**

#### Note :

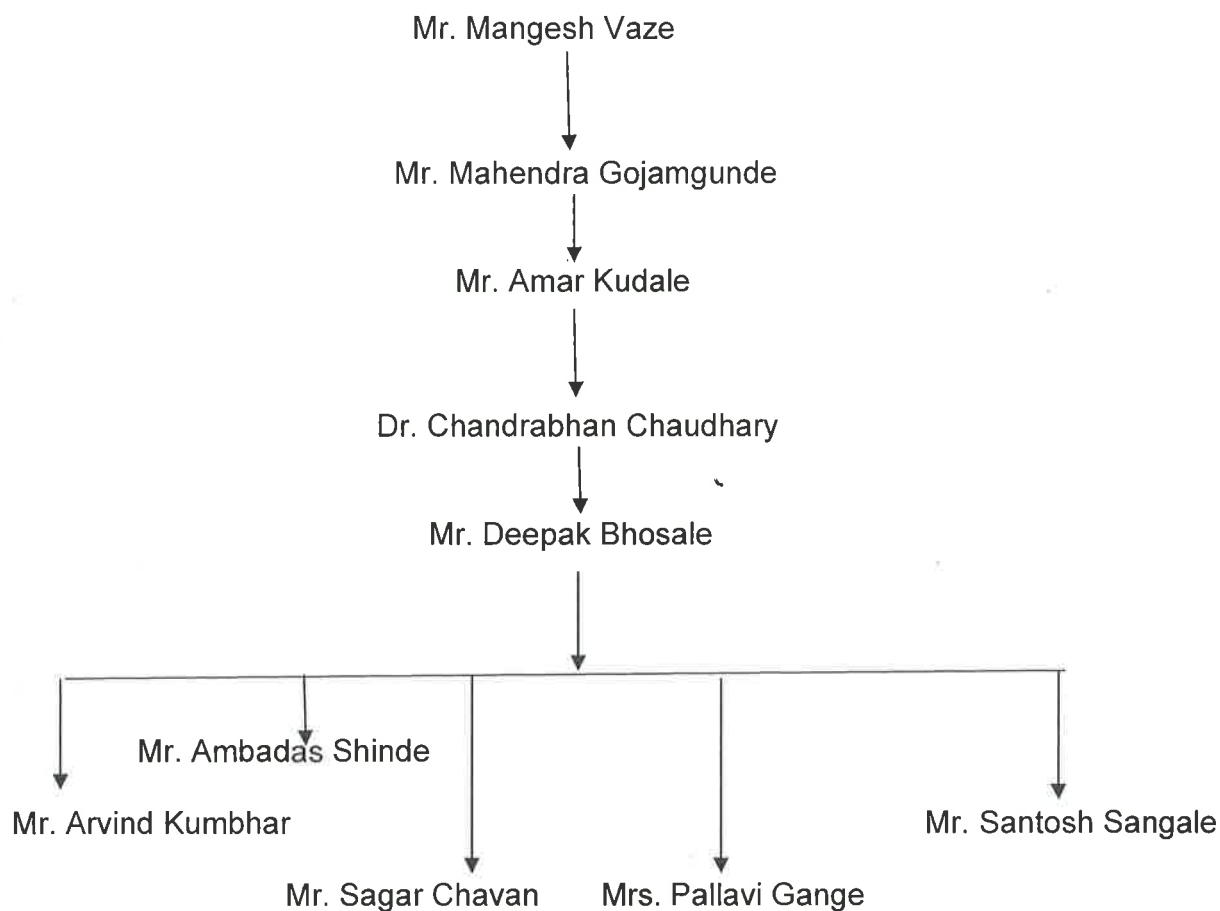
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CALIBRATION DETAILS OF EQUIPMENT USED FOR SAMPLING

Sr. No.	Instrument Type	Calibrated On	Calibration Due Date
1	Sound Level Meter Sr. No, 297 / 02 /20, ACD Model – S- 4000	04/06/2021	03/06/2022

## ENVIRONMENT MANAGEMENT CELL



Sr. No.	Name	Responsibility
1	Mr. Arvind Kumbhar	Documentation in ETP, Lab, O & M of ETP, Water Management.
2	Mr. Ambadas Shinde	AAQM & stack monitoring. Waste audit.
3	Mr. Santosh Sangale	Hazardous waste management, green belt maintenance.
4	Mr. Sagar Chavan	MEE VTFD, RO, ETP, Decanter operation, Waste management.
5	Mrs. Pallavi Gange	Lab Analysis, ETP Operation, Documentation of ETP

**Annexure-X** [65]

**Financial details:**

a) Capital cost of the project : Rs. 160.26 Crores

b) Cost for Environmental protection measures (Lakhs)

Sr. No.	Environmental protection measures	Recurring Cost per annum per Lakhs	Capital cost Lakhs
1	Air pollution control	10	43
2	Water pollution control	180	400
3	Noise pollution control	01	16
4	Environmental Monitoring and Management	05	02
5	Reclamation borrow / mined area	-	-
6	Occupational Health	02	01
7	Green belt	03	02
8	MEE+VTFD	30	186
<b>Total</b>		<b>231</b>	<b>650</b>

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Director: H. Dilip Singh, 100, 7th Flr, UIC  
D-22, K-20, Gurgaon, Haryana - 122 002  
Phone - 413312, 413313

