



# BENZO CHEM INDUSTRIES PRIVATE LIMITED

Works : B-24/25, 16/17, M.I.D.C. Area,  
DASARKHED, MALKAPUR - 443 112.  
DIST. BULDHANA,  
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Phone No. : (022) 43555888. Fax No. 022-24320924  
Corporate Identity No. U24100MH1986PTC041751  
E-mail : info@benzochemco.in. Website : www.bcipl.com

Date: 05/06/2024

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

Dear Sir,

**Subject:** Submission of the half yearly compliance report for Manufacturing of Agro and pharmaceutical intermediate project at Malkapur MIDC by M/s Benzo Chem Industries Pvt. Ltd. at Plot B-24 & B-25 , MIDC area , Dasarkhed, Tal : Malkapur ,District : Buldhana by Benzo Chem Industries. Pvt. Ltd.- Submission of the EC compliance report for the period October 2023 to March-2024.

**Ref:** Environmental Clearance letter no. EC (BENZO)-2009/155/CR 173/TC1 dated 30<sup>th</sup> January 2010, granted by SEIAA, Govt. of Maharashtra.

We have received the Environment Clearance from State Environment Impact Assessment Authority (SEIAA), Government of Maharashtra on 30<sup>th</sup> January, 2010 for proposed manufacturing of agro & pharmaceutical intermediate project.

We are submitting herewith the details of our project during the period of October 2023 to March-2024

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

1. Pointwise compliance report & current status of Project.

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

Thanking You,

For Benzo Chem Industries Pvt. Ltd.,

Authorized Signatory

### Point by Point comment on Environment Clearance letter

Sr No	Terms and conditions in EC	Compliance
i	Coal ash should be stored in covered area	Coal ash storage is provided along with proper shed arrangements.
ii	Stack emission should be treated as per Standards laid down by MPCB	Common stack height of 33 meter with sampling port is provided to boiler of capacity 6 TPH & Thermic Fluid Heater of capacity 16 Lakh Kcal. Stack emission monitoring done regularly. All reports are within standards.
iii	No land development / constructions work preliminary or otherwise relating to the project shall be taken up without obtaining due to clearance from respective authorities.	Noted. All the necessary approvals for construction work have been taken from respective authorities
iv	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land is used for any activity of the project.
v	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.	All temporary arrangements were done.
vi	No fuel other than mentioned above with said content without obtaining proper permission.	Noted & Agreed.
vii	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	The said dust emission controls were followed during construction & production activity.
viii	The coal will be transported through closed containers.	Provided PPE for coal handling. The transportation is done by authorized supplier in the vehicle covered by tarpaulin.
ix	Proper coal handling, transportation and handling system should be as per plan approved by MPCB.	Coal is handling as per standard operate procedure (SOP). Personal protective equipments (PPE) are always used. Coal is always received from authorized supplier in truck

		closed by tarpaulin.
x	Regular monitoring of the air quality, including SPM & SO <sub>2</sub> levels both in work zone and ambient air shall be carried out in and around the project and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	Ambient Air monitoring was done regularly at our manufacturing unit. The frequency has been decided in consultation with MPCB officials. Ambient air monitoring reports are attached.
xi	The process emissions and particulate matter from various 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 the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	We are regularly monitoring process scrubbers & boilers stacks. All process emissions and particulate matter from boilers are within standards. In the event of failure of pollution control system(s) unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
xii	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emission shall conform to the limits imposed by MPCB	We are regularly monitoring workroom air quality at production area. All reports are well within standards prescribed by MPCB.
xiii	During transfer of materials, spillage shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.	All transfer of materials is through pipeline only so there are no any chances of spillage. Proper drain system is provided to avoid mixing of accidental spillages with domestic waste and storm drains.
xiv	For control of process emission, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to the ETP for further treatment	For control of process emission, stack of appropriate height is provided. The scrubber effluent is treated in ETP.
xv	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Recharge of ground water is not allowed within the MIDC. The roof water harvesting is already provided.
xvi	Periodic monitoring of ground water shall the undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	Not applicable as source of water is MIDC.

xvii	The project Proponent shall treat the wastewater up the industry specific standards as notified in EPA or as laid down by the MPCB whichever are stringent.	We are treating wastewater upto the industry specific standards & reusing effluent. The unit is run on complete Zero Liquid Discharge basis. All reports are well within standards prescribed by MPCB.
xviii	Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. Shall be provided.	Noise levels are maintained as per standards by implementing various control measures. Proper PPE are provided for people working in high noise areas.
xix	The overall noise levels in and around the plant are shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods. Silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).	Noise levels in and around the plant are well within the standards. Noise monitoring is being done regularly. Reports of the same are attached. All reports are well within standards prescribed by MPCB.
xx	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Dept.	Green belt is well developed and maintained on 8010 Sq.m area. Total 4500 trees planted and green belt developed in plant.
xxi	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Company has full-fledged safety and fire department with implementation & monitoring of adequate safety measures. Risk Analysis, On - Site Emergency plan is prepared and regularly updated. Leak detection system is installed at strategic places.
xxii	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Medical checkup of the all workers are regularly done.
xxiii	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire fighting system is already available at project site.
xxiv	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous waste in accordance	The company is strictly complying with the rules and regulations with regard to handling and disposal of

	with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	hazardous waste in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. We have already taken permission from CHWTSDF, Butibori. Consent to establish & operate obtained from MPCB. (We have received the CTO & CTE from MPCB and we are strictly adhered to the stipulations, terms & conditions mentioned herein.)
xxv	<p>The company shall undertake following Waste Minimization Measures :</p> <ul style="list-style-type: none"> <li>a) Metering of quantities of active ingredients to minimize waste.</li> <li>b) Reuse of by – products from the process as raw materials or as raw material substitutes in other process.</li> <li>c) Maximizing Recoveries.</li> <li>d) Use of automated material transfer system to minimize spillage.</li> <li>e) Use of “Closed Feed” system into batch reactors.</li> </ul>	<p>Followed as per the requirement:</p> <ul style="list-style-type: none"> <li>(a) All raw materials are metered and controlled for its quantities to minimize waste.</li> <li>(b) Some of the by product we are reusing in the process as raw materials and remaining can be sold to authorized vendor with proper documentation.</li> <li>(c) We are recovering solvent used in process and it’s recycled in process.</li> <li>(d) Pumps are used to transfer liquids in closed pipelines.</li> <li>(e) We have provided day tanks with proper line for feeding tank in the close system in to batch reactors.</li> </ul>
xxvi	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required. If any, in the on-site management plan shall be ensured.	Regular fire and safety trainings, mock drills are carried out.
xxvii	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	We have separate environment management cell for implementation of the stipulated environmental safeguards.
xxviii	Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment	Already done.

	protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	
xxiv	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 <a href="http://envis/maharashtra.gov.in">http://envis/maharashtra.gov.in</a> .	We have not published the advertisement of the obtained Environmental Clearance in the newspapers by mistake. Hence, we are unable to submit the copy for same. We are regretting for that.
xxx	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	Noted & being done.
xxxii	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Noted & Agreed We have not received any suggestions and representations while processing the proposals from concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local and the local NGO. Hence this clearance copy not given to them but informed in the various meetings.
xxxiii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB and the SPCB. The criteria pollutants levels namely; SPM, RSPM, SO2 NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted & being done.

xxxiii	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted & being done.
xxxiv	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.	We are regularly submitting environment statement to MPCB.
xxxv	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 Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.	Noted.

Government of Maharashtra

No.: EC (BENZO)-  
2009/155/CR.173/TC.1  
Environment department  
Room No. 217, 2nd floor,  
Mantralaya Annexe,  
Mumbai 400 032  
Dated: 30<sup>th</sup> January, 2010.

To,  
M/s. Benzo Chem Industries Pvt. Ltd.  
B-24, 25, MIDC Area, Dasarkhed,  
Tal - Malkapur, Dist- Buldhana

**Sub: Proposed agro and pharmaceutical intermediate project at Malkapur MIDC by M/s. Benzo Chem Industries Pvt. Ltd. - Environmental clearance regarding.**

Sir,

This has reference to your communication Letter dated 27<sup>th</sup> April, 2009 on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee in its 10<sup>th</sup> & 17<sup>th</sup> meetings. SEAC in its 17<sup>th</sup> meeting recommended your proposal for prior Environment Clearance to State Level Environment Impact Assessment Authority (SEIAA) subject to submission of additional information on the points raised by SEAC. Subsequent information submitted by you, vide letter dated 20<sup>th</sup> August, 2009 has also been considered by State Level Environment Impact Assessment Authority in its 18<sup>th</sup> meeting held on 11<sup>th</sup> January, 2010.

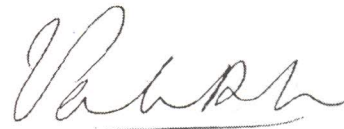
2. It is noted that the proposal is for grant of environmental clearance for proposed agro and pharmaceutical intermediate project at Malkapur MIDC by M/s. Benzo Chem Industries Pvt. Ltd. The project considered by SEAC under screening category 5 (f) of EIA Notification 2006.

**Project information from documents submitted by you & considered by SEAC & SEIAA is summarized as below:**

Name of the Project : Agro and pharmaceutical intermediate project  
Type of Project : Bulk drugs and intermediates category  
Project Proponent : M/s. Benzo Chem Industries Pvt. Ltd.  
Location of the project : B-24, 25, MIDC AREA, Dasarkhed , Tal - Malkapur, Dist- Buldhana  
Land : 23,888 sq. mts.  
Project built up area : 14115 sq. mts.  
Estimated cost of the project : Rs. 13.25 Crores

**Production capacity:**

Sr. No.	Product	Capacity MT/Month
1.	PARA CHLORO PHENYL ACETIC ACID / 4- CHLORO PHENYL ACETIC ACID	40
2.	ORTHO- METHYL BENZYL CYANIDE/ 2 METHYL BENZYL	40





	CYNIDE	
3.	2,4, DICHLORO PHENYL ACETIC ACID	30
4.	ORTHO CHLORO PHENYL ACETIC ACID	200
5.	2,5 DIMETHYL PHENYL ACETYL CHLORIDE	15
6.	PARA CHLORO META CRESOL	15
7.	ALPHA BROMO ORTHRO CHLORO PHENYL ACETIC ACID METHYL ESTER	05
8.	ALPHA BROMO ORTHRO CHLORO PHENYL ACETIC ACID	05
9.	2- METHYL PHENYL ACETIC ACID/ ORTHO- METHYL PHENYL ACETIC ACID	40
10.	2- COUMARANONE , 30 % WITH ACETIC ANHYDRIDE, 70 %	400
11.	2,4, DICHLORO BENZYL CYNIDE	30
12.	2,4,6 TRICHLORO PHENYL ACETYL CHLORIDE	05
13.	3 -ISO CROMANONE	20
14.	4- CHLORO PHENETHYL ALCOHOL	20
15.	ALPHA BROMO PARA CHLORO PHENYL ACETIC ACID	15
16.	2,4, DICHLORO PHENYL ACETYL CHLORIDE	25
17.	PROPARGYL - CM- ESTER, 55 % MONO CHLORO BENZENE	20

**By- Product:**

Sr. No.	By - Product	Capacity MT/Month
1.	HYDROCHLORIC ACID	400
2.	HYDROBROMIC ACID	20
3.	AMMONIA SOLUTIO N	150

**Water Requirement:**

Total Water requirement: 212 CMD (173 for industrial use, 39 CMD for domestic use & gardening)

**Effluent generated:** Domestic: 10 CMD; Plant operation: 80 CMD.

Entire effluent would be treated in Effluent Treatment Plant and treated effluent reused.

**Capacity of ETP:** 100 CMD

**Fuel requirement: coal:** 30 TPD

**Solid Waste Management:**

**Coal ash:** 25 MT/Month; disposal: sale to brick manufacturers.

**Chemical sludge from Effluent treatment plant:** 0.5MT/M disposal: would be sent to CHWTSDF, Taloja.

**Hazardous waste:**

**Category:** 20.3: 5 Kg/day

**Category:** 34.3: 0.3 Kg/day

**Scheduled - II: A -10:** 2 Kg/day

**Disposal:** on the sight of authorized waste management facility.

**Power requirement:** sanctioned load: 625 KVA; connected load: 400 KVA from MSEB;

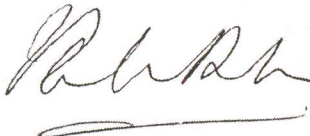
**Green Belt Development:** 2500 sq. m. area for green belt. Total 500nos.of trees will be planted.

**Environmental Management Plan:** Capital cost will be Rs. 1.28 crores and Recurring cost will be Rs. 7.50 Lakhs.

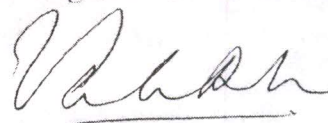


3. The proposal has been considered by SEIAA in its 18<sup>th</sup> meeting dated on 11<sup>th</sup> January, 2010 & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

- (i) Coal ash should be stored in covered area.
- (ii) Stack emission should be treated as per Standards laid down by MPCB.
- (iii) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.
- (iv) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (v) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water , medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after the completion of the project.
- (vi) No fuel other than mentioned above with said contents shall be used without obtaining proper permission.
- (vii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (viii) The coal will be transported through closed containers.
- (ix) Proper coal handling, transportation and handling system should be as per plan approved by MPCB.
- (x) Regular monitoring of the air quality, including SPM & SO<sub>2</sub> levels both in work zone and ambient air shall be carried out in and around the project 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.
- (xi) The process emissions and particulate matter from various 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, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (xii) Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by MPCB.
- (xiii) During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- (xiv) For control of process emissions, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to the ETP for further treatment.
- (xv) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xvi) 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.
- (xvii) The project proponent shall treat the wastewater up the industry specific standards as notified in EPA or as laid down by the MPCB whichever are stringent.
- (xviii) Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

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- (xix) The overall noise levels in and around the plant are shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (xx) 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.
- (xxi) 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.
- (xxii) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xxiii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xxiv) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xxv) The company shall undertake following Waste Minimization Measures :
- Metering of quantities of active ingredients to minimize waste.
  - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
  - Maximizing Recoveries.
  - Use of automated material transfer system to minimize spillage.
  - Use of "Closed Feed" system into batch reactors.
- (xxvi) 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.
- (xxvii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxviii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
- (xxix) 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>
- (xxx) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- (xxxi) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xxxii) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the



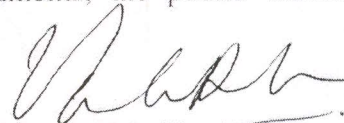
respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(xxxiii) 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.

(xxxiv) The environmental statement for each financial year ending 31<sup>st</sup> 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.

(xxxv) 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 Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.

4. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
5. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.
6. No further expansion or modifications in the plant shall be carried out without prior approval of SEIAA. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

  
(Valsa R Nair Singh)  
Secretary, Environment  
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502, Charleville, 'A' Road, Churchgate, Mumbai- 400 020, Maharashtra.

2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
3. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
4. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
5. Regional Office, MPCB, Amravati.
6. Collector, Buldhana.
7. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
8. Director(TC-1), Dy. Secretary(TC-2),Scientist-1,Environment department
9. Select file (TC-3).

# 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:- Format1.0/CC/UAN No.MPCB-  
CONSENT-0000125229/CR/2301001660**

**Date: 19/01/2023**

**To,**  
**M/s.BENZO CHEM INDUSTRIES PVT LTD**  
**B-24,25,B 16 &17 DASARKHED**  
**MALKAPUR,Buldhana**



Your Service is Our Duty

**Sub: Renewal of Consent to Operate in RED/LSI Category.**

- Ref:**
1. Consent to Renewal accorded by Board vide No. Format 1.0/CC/UAN No. 0000067060/CO-1910000801, dated 16/10/2019
  2. Minutes of 6th CC Meeting held on 27.06.2022.
  3. Earlier Consent to Renewal accorded by Board vide No. Format 1.0/CC/UAN No. 00000125229/CR-2208001327, dated 28.08.2022.
  4. Industry's request letter for issuance of corrigendum in the earlier consent issued dated 06.09.2022.

Your application No.MPCB-CONSENT-0000125229 Dated 10.11.2021

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 28/02/2025**
2. **The capital investment of the project is Rs.58.5136 Crs. (As per C.A Certificate submitted by industry Existing 47.01+Expansion 11.50)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	ParaCholoro Phenyl Acetic Acid	40	MT/M
2	Alpha Bromo Ortho Chloro Phenyl Acetic Acid Methyl Ester	5	MT/M
3	Alpha Bromo Para Chloro Phenyl Acetic Acid	5	MT/M
4	TRISPHENOL	5	MT/M
5	Methyl 2- ( 2-Chloromethyl ) phenyl Acetate (MCPMA)	15	MT/M

Sr No	Product	Maximum Quantity	UOM
6	4-Chloro Phenethyl Alcohol 2-(4 Chlorophenyl) Ethanol	20	MT/M
7	2-Chloro- 4,6 Dimethoxy - 1,3,5 Triazine (CDMT)	15	MT/M
8	3 - ISO Chromanone	60	MT/M
9	ISOPROPYL-3-CHLORO 4-METHYL BENZOATE (ICMB)	20	MT/M
10	Ortho Chloro Phenyl Acetic Acid	150	MT/M
11	2-Methyl Phentl Acetic / Ortho Methyl Phenyl Acetic Acid	40	MT/M
12	Salt Solution (By-product)	200	MT/M
13	Propargyl-CM-Estaer 55% Monochloro Benzene	20	MT/M
14	2,4,6 Trimethyl Benzaldehyde 84% in Acetone	25	MT/M
15	Methyl (E) 3-Methoxy-2-( 2-Chloromethyl Phenyl)-2-Propenoate (METHYL ACRELATE)	5	MT/M
16	3-CHLORO 2-METHYL ANISOL	40	MT/M
17	2-Coumaranone 30% with Acetic Anthydride 70%	400	MT/M
18	ORTHO HYDROXY PHENYL ACETIC ACID (OHPAA	30	MT/M

The total production quantity shall not exceed 895 MT/M and also, the quantity of By-product shall not exceed 1704.705 MT/M

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

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	34.73	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	10.0	As per Schedule-I	STP

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	S1	BOILER (6 TPH) capacity	1	As per Schedule -II
2	S2	Thermic Fluid Heater (2 Nos. 8 Lac Kcal/Hr.) capacity	1	As per Schedule -II
3	S3	D.G. Set (1020 KVA)	1	As per Schedule -II
4	S4	Chlorination	1	As per Schedule -II
5	S5	Hydrolysis	1	As per Schedule -II
6	S6	Bromination	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	PAPER WASTE	10	Kg/M	Sale	Sale to authorized party
2	METAL WASTE	100	Kg/M	Sale	Sale to authorized party
3	WOODEN WASTE	400	Kg/M	Sale	Sale to authorized party

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
4	GLASS WASTE	25	Kg/M	Sale	Sale to authorized party
5	COAL ASH	12	MT/Day	Sale	Sale to Brick Manufacturer

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

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	20.3 Distillation residues	4.52	Kg/Day	Incineration	CHWTSDF
2	35.3 Chemical sludge from waste water treatment	30	Kg/Day	Landfill after treatment	CHWTSDF
3	Schedule-II, A-11 Cyanide Compound II, A-11 Cyanide Compound	1.5	Kg/Day	Landfill after treatment	CHWTSDF
4	Sodium Bisulphite solution / Sodium sulphite solution	17.64	MT/M	Recycle*	Sale to authorised party / CHWTSDF
5	HYDROBROMIC ACID 40-50%	17.69	MT/M	Recycle*	Sale to authorised party / CHWTSDF
6	HYDROCHLORIC ACID ( 30%-32% )	399.6	MT/M	Recycle*	Sale to authorised party / CHWTSDF
7	LIQUOR AMMONIA 25%	144.79	MT/M	Recycle*	Sale to authorised party / CHWTSDF
8	Sodium Sulphate	800	MT/M	Recycle*	Sale to authorised party / CHWTSDF
9	Sodium Bromide Solution in water	25	MT/M	Recycle*	Sale to authorised party / CHWTSDF
10	Sodium Chloride	100	MT/M	Recycle*	Sale to authorised party / CHWTSDF
11	37.3 Concentration or evaporation residues	100	MT/M	Recycle/Secured landfill	Sale to authorised party / CHWTSDF

**\* Industry shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016**



8. **Conditions under Plastic Waste Management Rules, 2016 (Notification dtd. 18/03/2016):**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	Plastic	200.00	Kg/M	Sale to authorized recycler/re-processor

9. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
11. The industry shall also comply with the Industry specific standards notified under Environment (Protection) Act, 1986.
12. The industry shall provide water metering system including for the use of treated effluent.
13. Industry shall install online monitoring system i.e. IP Camera and flow meter to ensure the Zero Liquid Discharge and its connectivity to the MPCB server. Industry shall also install separate energy meter to the pollution control devices.
14. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. EC (BENZO)-2009/155/CR.173/TC.1, dated 30/01/2010.
15. The applicant shall not carry out any excess production or produce new products without consent of the Board and without an Environment Clearance, wherever it requires.
16. This Consent is issued without prejudice to the Order Passed or may be Passed by The Hon'ble NGT, Western Zone, Bench, Pune in the matter of Application No. 124/2017 (WZ), M.A. 299/2017 filed by Arvind Mahajan & ors. V/s. M/s. Benzo Chem Industries Pvt. Ltd., Plot No. B-24/25, MIDC, Village Dasarkhed, Tal. Malkapur, Dist. Buldhana.
17. The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
18. The applicant shall properly collect, transport & regularly dispose-off the Hazardous Waste to CHWTSDf, in compliance of the Hazardous and other Waste (M & TH) Rule-2016 and keep proper manifest thereof.
19. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the Consent to Operate.
20. The existing Bank Guarantee of Rs 5.0 Lakhs is being forfeited as industry has not carried out verification by NEERI of decontamination work; no provision to arrest the contaminated rainwater runoff; no upgradation of ETP was done before 30.06.2022.
21. Industry shall submit top up Bank Guarantee of Rs 10 Lakhs towards compliance of consent conditions and O & M of PCS also submit B.G. of RS.1.0 lakh for installation of OCMS before 30.08.2022.
22. This consent is issued pursuant to the decision of 6 th CC Meeting held on 27.06.2022.

23. This consent is issued with n overriding effect on earlier consent granted by the board vide no. Format 1.0/CC/UAN No. 00000125229/CR-2208001327, dated 28.08.2022.
24. Industry should not carry out any activity on newly added plot no.B-16 &17 till obtaining amended EC for incorporation of the said plot nos. in Environmental clearance.
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



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Signed by: **Dr. J.B.Sangewar**  
Assistant Secretary (Technical)  
For and on behalf of,  
**Maharashtra Pollution Control Board**  
ast@mpcb.gov.in  
2023-01-19 15:44:48 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	500000.00	TXN2111000622	11/11/2021	Online Payment
2	50000.00	TXN2111000781	12/11/2021	Online Payment

**The balance fees of Rs.2,00,000/-will be adjusted in the next renewal of consent.**

**Copy to:**

1. Regional Officer, MPCB, Amravati and Sub-Regional Officer, MPCB, Akola  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC desk- for record & website Updation purpose.

## **SCHEDULE-I**

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

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 120.00 CMD consisting of Primary (Collection tank, Oil Separation Tank, Neutralization (2 nos), Primary Clarifier), Secondary (Aeration Tank, Secondary Clarifier), Tertiary (Pressure sand filter, Activated carbon filter), Advanced treatment (3 stage Multi Effect Evaporator), Sludge treatment (Sludge drying bed) for the treatment of 34.73 CMD of trade effluent.  
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] Industry shall install online monitoring system i.e. IP Camera and flow meter to ensure the Zero Liquid Discharge and its connectivity to the MPCB server. Industry shall also install separate energy meter to the pollution control devices.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity As per your application, you provided Septic tank for partial treatment of the sewage generated and further, shall treat the overflow of septic tank in Effluent Treatment Plant. CMD for the treatment of 10.0 CMD of sewage.  
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

<b>Sr.No</b>	<b>Parameters</b>	<b>Standards (mg/l)</b>	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27°C	Not to exceed	30

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:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	97.00
2.	Domestic purpose	15.00

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	74.29
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0.00

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:

<b>Stack No.</b>	<b>Source</b>	<b>APC System provided/proposed</b>	<b>Stack Height(in mtr)</b>	<b>Type of Fuel</b>	<b>Sulphur Content(in %)</b>	<b>Pollutant</b>	<b>Standard</b>
S1	Boiler	Multi Cyclone Separator followed by Bag Filter	33.00	COAL OR BRIQUETTES 30 MT/Day	0.5	TPM	150 Mg/Nm <sup>3</sup>
						SO2	240 Kg/Day
						SOX=41 MG/NM3	-
S2	Thermic Fluid Heater	Multi Cyclone Separator followed by Bag Filter	33.00	COAL OR BRIQUETTES 20 MT/Day	0.5	TPM	150 Mg/Nm <sup>3</sup>
						SO2	204 Kg/Day
S3	DG Set	Acoustic Enclosure	3.50	HSD 300 Lit/Day	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	6 Kg/Day
S4	Chlorination	Scrubber	13.00	-	-	Chlorine	03 PPM
S5	Hydrolysis	Scrubber	13.00	-	-	NH3	50 PPM
S6	Bromination	Scrubber	13.00	-	-	HBr	03 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:

<b>Parameters</b>	<b>Standards (mg/l)</b>
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4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. Solvent Management shall be carried out as follows:
- Reactors shall be connected to Water / Chilled Water /Brine Condenser system.
  - 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.



### SCHEDULE-III

#### Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	Rs. 10 Lakh	15 days	Towards Operation & Maintenance of Pollution Control Systems & Compliance of Consent Conditions	28/02/2027	30/06/2027
2	C to R	Rs. 1 Lakh	15 days	Towards installation of OCEMS before 30.08.2022.	28/02/2027	30/06/2027

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

#### 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
1	C to R	5,00,000	15 DAYS	Towards Operation & Maintenance of Pollution Control Systems & Compliance of Consent Conditions	5,00,000/-	not carried out verification by NEERI of decontamination work; no provision to arrest the contaminated rainwater runoff; no upgradation of ETP was done before 30.06.2022.

#### BG Return details

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

### SCHEDULE-IV

#### General Conditions:

1. The waste generator shall.-
  - a) take steps to minimize generation of plastic waste and segregate plastic waste at source in accordance with the Plastic Waste Management Rules, 2016 or as amended from time to time.
  - b) not litter the plastic waste and ensure segregated storage of waste at source and handover segregated waste to urban local body or gram panchayat or agencies appointed by them or registered waste pickers', registered recyclers or waste collection agencies;

2. All institutional generators of plastic waste, shall segregate and store the waste generated by them in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time and handover segregated wastes to authorized waste processing or disposal facilities or deposition centers either on its own or through the authorized waste collection agency.
3. All waste generators shall pay such user fee or charge as may be specified in the byelaws of the local bodies for plastic waste management such as waste collection or operation of the facility thereof, etc.;
4. Every person responsible for organizing an event in open space, which involves service of food stuff in plastic or multilayered packaging shall segregate and manage the waste generated during such events in accordance with the Plastic Waste Management Rules, 2016 amendment from time to time.
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.
  - 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 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.
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](http://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.
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 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.
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.

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**This certificate is digitally & electronically signed.**

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**STACK EMISSION MONITORING REPORT**

Sample ID : SA/02/24/3273	Report No. SA/02/24/3273	Report Date	21/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	Acid Mist (HCl): 30 ml x 1 no. plastic bottle	Date - Sampling	10/02/2024
		Date - Receipt of Sample	14/02/2024
Sampling Procedure	IS 11255 (Part 3):2018	Date - Start of Analysis	14/02/2024
Order Reference	Quotation Ref. No. AEC/BS/Q-25 Dated. 08.02.2024	Date - Completion of Analysis	20/02/2024
<b>Stack Details</b>			
~ Stack Identity	Stack No.2		
~ Stack attached to	HCl Scrubber		
~ Material of construction	M.S		
~ Stack height above ground level	15 m		
~ Stack diameter	0.53 m		
~ Stack shape at top	Round		
~ Type of Fuel	-		
~ Fuel Consumption	-		
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Method</b>
<b>Chemical Testing; Group: Atmospheric Pollution</b>			
Flue Gas Temperature	<b>33</b>	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	<b>7.8</b>	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	<b>5768</b>	Nm <sup>3</sup> /h	IS 11255 (Part 3) : 2018
Acid Mist (as HCl)	<b>17.2</b>	mg/Nm <sup>3</sup>	Titrimetric Method

  
Ninad Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



**Note:**

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

**Disclaimer**

Information is supplied by the customer (~) and can affect the validity of results.



**STACK EMISSION MONITORING REPORT**

Sample ID : SA/02/24/3274	Report No. SA/02/24/3274	Report Date	21/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	Ammonia (NH <sub>3</sub> ) : 30 ml x 1 no. plastic bottle	Date - Sampling	10/02/2024
		Date - Receipt of Sample	14/02/2024
Sampling Procedure	IS 11255 (Part 3):2018	Date - Start of Analysis	14/02/2024
Order Reference	Quotation Ref. No. AEC/BS/Q-25 Dated. 08.02.2024	Date - Completion of Analysis	20/02/2024
<b>Stack Details</b>			
~ Stack Identity	Stack No.3		
~ Stack attached to	NH <sub>3</sub> Scrubber		
~ Material of construction	M.S		
~ Stack height above ground level	15 m		
~ Stack diameter	0.53 m		
~ Stack shape at top	Round		
~ Type of Fuel	-		
~ Fuel Consumption	-		
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Method</b>
<b>Chemical Testing; Group: Atmospheric Pollution</b>			
Flue Gas Temperature	<b>32</b>	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	<b>8.4</b>	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	<b>6276</b>	Nm <sup>3</sup> /h	IS 11255 (Part 3) : 2018
Ammonia (NH <sub>3</sub> )	<b>7.3</b>	mg/Nm <sup>3</sup>	IS 11255 (Part 6):1999

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### STACK EMISSION MONITORING REPORT

Sample ID : SA/02/24/5497	Report No. SA/02/24/5497	Report Date	21/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 x 1 no. thimble SO <sub>2</sub> : 30 ml x 1 no. plastic bottle NO <sub>2</sub> : 25 ml x 1 no. plastic bottle CO <sub>2</sub> , O <sub>2</sub> , CO: 1 x 1 no. bladder	Date - Sampling	11/02/2024
		Date - Receipt of Sample	14/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018, (Part 7):2017	Date - Start of Analysis	14/02/2024
Order Reference	Quotation Ref.No. AEC/BS/Q-25 Dated. 08.02.2024	Date - Completion of Analysis	20/02/2024
<b>Stack Details</b>			
~ Stack Identity	Stack-4		
~ Stack attached to	DG Set 1010 KVA		
~ Material of construction	M.S		
~ Stack height above ground level	8 m		
~ Stack diameter	0.3 m		
~ Stack shape at top	Round		
~ Type of Fuel	Diesel		
~ Fuel Consumption	164 L/h		
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Method</b>
<b>Chemical Testing; Group: Atmospheric Pollution</b>			
Flue Gas Temperature	158	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	16.7	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	2795	Nm <sup>3</sup> /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	26	mg/Nm <sup>3</sup>	IS 11255 (Part 1): 2019
Sulphur Dioxide (SO <sub>2</sub> )	12.3	mg/Nm <sup>3</sup>	IS 11255 (Part 2): 2019
Sulphur Dioxide (SO <sub>2</sub> )	1.25	kg/d	IS 11255 (Part 2): 2019
Oxides of Nitrogen (NO <sub>2</sub> )	12.5	mg/Nm <sup>3</sup>	IS 11255 (Part 7): 2017
Carbon Dioxide (CO <sub>2</sub> )	3	%	IS 13270: 2019
Oxygen (O <sub>2</sub> )	5	%	IS 13270:1992
Carbon Monoxide (CO)	4	%	IS 13270: 2019

  
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Technical Manager (Chemical)  
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Sample ID : SA/02/24/5497	Report No. SA/02/24/5497	Report Date	21/02/2024
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*[Signature]*

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**Technical Manager (Chemical)**  
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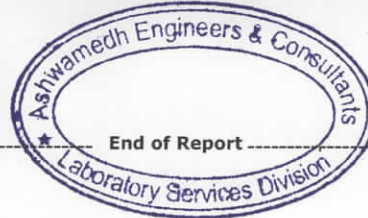
## AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/5493	Report No. AA/02/24/5493	Report Date	20/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Admin Office	Date - Sampling	10/02/2024
Sample Quantity / Packing	PM <sub>10</sub> : 1 x 1 no. filter paper SPM: 1 no. zip bag SO <sub>2</sub> ,NO <sub>2</sub> : 30 ml x 2 no. plastic bottle each	Date - Receipt of Sample	14/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	14/02/2024
Order Reference	Quotation Ref. No. AEC/BS/Q-25 Dated. 08.02.2024	Date - Completion of Analysis	19/02/2024

### Meteorological Data / Environmental Conditions

Average Wind Velocity 6.4 km/h	Wind Direction N-E	Relative Humidity (Max./Min.): 74/52%	Temperature (Max./Min.): 33/28°C	Duration of Survey 8 h
Parameter	Result	Unit	Method	
<b>Chemical Testing; Group: Atmospheric Pollution</b>				
Sulphur Dioxide (SO <sub>2</sub> )	<b>8.4</b>	µg/m <sup>3</sup>	IS 5182 (Part 2/Sec 1): 2023	
Nitrogen Dioxide (NO <sub>2</sub> )	<b>9.2</b>	µg/m <sup>3</sup>	IS 5182 (Part 6): 2017	
Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	<b>36</b>	µg/m <sup>3</sup>	IS 5182 (Part 23): 2017	
Suspended Particulate Matter (SPM)	<b>64</b>	µg/m <sup>3</sup>	IS 5182 (Part 4): 2019	

  
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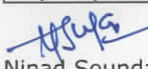


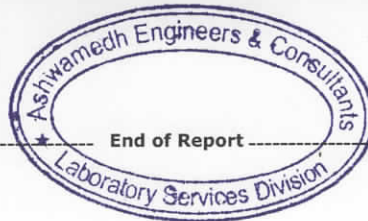
## AMBIENT AIR QUALITY MONITORING REPORT

Sample ID : AA/02/24/5494	Report No. AA/02/24/5494	Report Date	20/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Engineering Store	Date - Sampling	10/02/2024
Sample Quantity / Packing	PM <sub>10</sub> : 1 x 1 no. filter paper SPM: 1 no. zip bag SO <sub>2</sub> ,NO <sub>2</sub> : 30 ml x 2 no. plastic bottle each	Date - Receipt of Sample	14/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	14/02/2024
Order Reference	Quotation Ref. No. AEC/BS/Q-25 Dated. 08.02.2024	Date - Completion of Analysis	19/02/2024

### Meteorological Data / Environmental Conditions

Average Wind Velocity 6.4 km/h	Wind Direction N-E	Relative Humidity (Max./Min.): 74/52%	Temperature (Max./Min.): 33/28°C	Duration of Survey 8 h
Parameter	Result	Unit	Method	
<b>Chemical Testing; Group: Atmospheric Pollution</b>				
Sulphur Dioxide (SO <sub>2</sub> )	<b>9.6</b>	µg/m <sup>3</sup>	IS 5182 (Part 2/Sec I): 2023	
Nitrogen Dioxide (NO <sub>2</sub> )	<b>6.7</b>	µg/m <sup>3</sup>	IS 5182 (Part 6): 2017	
Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	<b>44</b>	µg/m <sup>3</sup>	IS 5182 (Part 23): 2017	
Suspended Particulate Matter (SPM)	<b>72</b>	µg/m <sup>3</sup>	IS 5182 (Part 4): 2019	

  
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**AMBIENT AIR QUALITY MONITORING REPORT**

Sample ID : AA/02/24/5495	Report No. AA/02/24/5495	Report Date	20/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Back Side Of R.M Store	Date - Sampling	11/02/2024
Sample Quantity / Packing	PM <sub>10</sub> : 1 x 1 no. filter paper SPM: 1 no. zip bag SO <sub>2</sub> ,NO <sub>2</sub> : 30 ml x 2 no. plastic bottle each	Date - Receipt of Sample	14/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	14/02/2024
Order Reference	Quo. Ref. No. AEC/BS/Q-25 Dated:08.02.2024	Date - Completion of Analysis	19/02/2024

**Meteorological Data / Environmental Conditions**

Average Wind Velocity 6.1 km/h	Wind Direction S-E	Relative Humidity (Max./Min.): 72/54%	Temperature (Max./Min.): 34/27°C	Duration of Survey 8 h
Parameter	Result	Unit	Method	
<b>Chemical Testing; Group: Atmospheric Pollution</b>				
Sulphur Dioxide (SO <sub>2</sub> )	<b>7.2</b>	µg/m <sup>3</sup>	IS 5182 (Part 2/Sec I): 2023	
Nitrogen Dioxide (NO <sub>2</sub> )	<b>8.2</b>	µg/m <sup>3</sup>	IS 5182 (Part 6): 2017	
Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	<b>48</b>	µg/m <sup>3</sup>	IS 5182 (Part 23): 2017	
Suspended Particulate Matter (SPM)	<b>52</b>	µg/m <sup>3</sup>	IS 5182 (Part 4): 2019	

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**WORK ROOM ENVIRONMENT MONITORING REPORT**

Sample ID : WR/02/24/5498	Report No. WR/02/24/5498	Report Date	17/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra	Order Reference : As per Quotation No. AEC/JL/Q-05 DT. 11.05.023	
Sampling done by	Laboratory	Sample Description / Type	Workplace Environment
Sampling Location	Production Department (2nd Floor)	Date - Sampling	11/02/2024
Sample Quantity / Packing	RSPM: 1 no. Filter paper SPM: 1 no. zip bag Cl <sub>2</sub> , HCl, NH <sub>3</sub> : 30 ml x 1 no. plastic bottle each	Date - Receipt of Sample	14/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	14/02/2024
Duration of Sampling	8 h	Date - Completion of Analysis	16/02/2024

Parameter	Result	Limit as per Second schedule of factories Act/OSHA#	Unit	Method
		TWA (8 h)		
<b>Chemical Testing; Group: Atmospheric Pollution</b>				
Respirable Suspended Particulate Matter (RSPM)	<b>0.1</b>	5#	mg/m <sup>3</sup>	NIOSH 0500, Aug: 1994
TWA : Time Weighted Average				
Note: Sample ID WR/02/24/5498 bears two Test Reports - WR/02/24/5498 and WR/02/24/5498N				

  
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**WORK ROOM ENVIRONMENT MONITORING REPORT**

Sample ID : WR/02/24/5498	Report No. WR/02/24/5498N	Report Date	17/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra	Order Reference : As per Quotation No. AEC/JL/Q-05 DT. 11.05.023	
Sampling done by	Laboratory	Sample Description / Type	Workplace Environment
Sampling Location	Production Department (2nd Floor)	Date - Sampling	11/02/2024
Sample Quantity / Packing	RSPM: 1 no. Filter paper SPM: 1 no. zip bag Cl <sub>2</sub> , HCl, NH <sub>3</sub> : 30 ml x 1 no. plastic bottle each	Date - Receipt of Sample	14/02/2024
Sampling Procedure	As per method reference	Date - Start of Analysis	14/02/2024
Duration of Sampling	8 h	Date - Completion of Analysis	16/02/2024

Parameter	Result	Limit as per Second schedule of factories Act/OSHA#	Unit	Method
		TWA (8 h)		
<b>Chemical Testing; Group: Atmospheric Pollution</b>				
Suspended Particulate Matter (SPM)	<b>0.13</b>	15#	mg/m <sup>3</sup>	NIOSH 0500, Aug: 1994
Ammonia (NH <sub>3</sub> )	<b>4.7</b>	18	mg/m <sup>3</sup>	NIOSH 6015, Aug: 1994
Acid Fumes (as HCl)	<b>5.46</b>	7	mg/m <sup>3</sup>	Titrimetric Method
Chlorine (Cl <sub>2</sub> )	<b>0.58</b>	3	mg/m <sup>3</sup>	IS 5182 (Part XIX): 2019

TWA : Time Weighted Average

Note: Sample ID WR/02/24/5498 bears two Test Reports - WR/02/24/5498 and WR/02/24/5498N

  
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AEC/F/REP/1-F

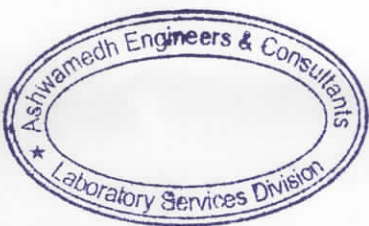
**NOISE LEVEL MEASUREMENT REPORT**

Sample ID: N/02/24/5531	Report No.: N/02/24/5531	Report Date	12/02/2024
Name and Address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> B - 24 /25, M.I.D.C. Area, Dasarkhed. Malkapur - 443101 Dist. Buldhana		
Monitoring Done By	Laboratory	Sample Description/Type	Ambient Noise
Order Reference	Quo. Ref. No. AEC/BS/Q-25 dated 08.02.2024	Date of Monitoring	10/02/2024

Chemical Testing; Group: Atmospheric Pollution				
Sr. No.	Location	Time (h)	Result Noise Level dB (A)	Method
1.	Near Admin. Office	10:10	65.4	CPCB Protocol for Ambient Level Noise Monitoring, July:2015
		22:10	58.1	
2.	Near Godown	10:20	72.0	
		22:20	67.7	
3.	Near E.T.P.	10:30	73.8	
		22:30	70.5	
4.	Near Boiler House	10:40	74.7	
		22:40	70.9	

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

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**NOISE LEVEL MEASUREMENT REPORT**

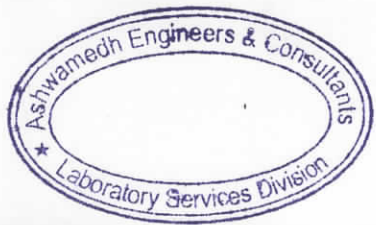
Sample ID: N/02/24/5532	Report No.: N/02/24/5532	Report Date	12/02/2024
Name and Address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> B - 24 /25, M.I.D.C. Area, Dasarkhed. Malkapur - 443101 Dist. Buldhana		
Monitoring Done By	Laboratory	Sample Description/Type	Workplace Noise
Order Reference	Quo. Ref. No. AEC/BS/Q-25 dated 08.02.2024	Date of Monitoring	10/02/2024

Chemical Testing; Group: Atmospheric Pollution				
Sr. No.	Location	Time (h)	Result Noise Level dB (A)	Method
1.	Production Department (1 <sup>st</sup> Floor)	11:00	73.4	CPCB Protocol for Ambient Level Noise Monitoring, July:2015
		23:00	70.1	
2.	Quality Control Lab	11:15	65.6	
		23:15	57.3	

Limit	
Permissible Exposure Period as Per Maharashtra Factories Rules,1963, Schedule XXIV Table 1	
Total hours of sound exposure per day	Level
Hours	dB(A)
8	90
6	92
4	95

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

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**NOISE LEVEL MEASUREMENT REPORT**

Sample ID: N/02/24/3286	Report No.: N/02/24/3286N	Report Date	14/02/2024
Name and Address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> B - 24 /25, M.I.D.C. Area, Dasarkhed. Malkapur - 443101 Dist. Buldhana		
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise
Order Reference	Quo. Ref. No. AEC/BS/Q-25 dated 08.02.2024	Date-Monitoring	11/02/2024

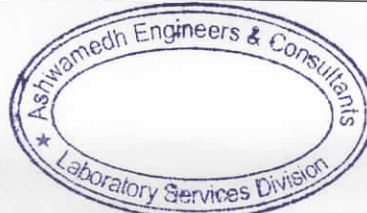
**Chemical Testing; Group: Atmospheric Pollution**

Sr. No.	Location	Time (h)	Sound Level dB (A) Fast Response				Difference
			A	Inside	B	Outside	
1.	DG SET 1010 KVA	14:00	A1	98	A2	73	25
		14:05	B1	96	B2	70	26
		14:10	C1	98	C2	71	27
		14:15	D1	-	D2	-	-
			<b>Average</b>		<b>Average</b>		

**Note:** Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

*AP/UG*

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**STACK EMISSION MONITORING REPORT**

Sample ID : SA/02/24/5496	Report No. SA/02/24/5496	Report Date	21/02/2024
Name and address of Customer	<b>Benzo Chem Industries Pvt. Ltd.</b> Plot No. B - 24/25, Dasarkhed MIDC Area, Malkapur, Dist. Buldhana (M.S.) - 443101, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 x 1 no. thimble SO <sub>2</sub> : 30 ml x 1 no. plastic bottle NO <sub>2</sub> : 25 ml x 1 no. plastic bottle CO <sub>2</sub> , O <sub>2</sub> , CO: 1 x 1 no. bladder	Date - Sampling	10/02/2024
		Date - Receipt of Sample	14/02/2024
Sampling Procedure	IS 11255 (Part 1):2019, (Part 2):2019, (Part 3):2018, (Part 7):2017	Date - Start of Analysis	14/02/2024
Order Reference	Quotation Ref.No. AEC/BS/Q-25 Dated. 08.02.2024	Date - Completion of Analysis	20/02/2024

Stack Details	
~ Stack Identity	Stack No. 1
~ Stack attached to	Boiler & Thermo pack
~ Material of construction	M.S
~ Stack height above ground level	33 m
~ Stack diameter	1.1 m
~ Stack shape at top	Round
~ Type of Fuel	Coal
~ Fuel Consumption	12 t/d

Parameter	Result	Limits as per MPCB Consent	Unit	Method
<b>Chemical Testing; Group: Atmospheric Pollution</b>				
Flue Gas Temperature	145	-	°C	IS 11255 (Part 3) : 2018
Flue Gas Velocity	11.3	-	m/s	IS 11255 (Part 3) : 2018
Flue Gas Flow Rate	26118	-	Nm <sup>3</sup> /h	IS 11255 (Part 3) : 2018
Particulate Matter (PM)	122	150	mg/Nm <sup>3</sup>	IS 11255 (Part 1) : 2019
Sulphur Dioxide (SO <sub>2</sub> )	8.21	Not specified	mg/Nm <sup>3</sup>	IS 11255 (Part 2) : 2019
Sulphur Dioxide (SO <sub>2</sub> )	5.15	240	kg/d	IS 11255 (Part 2) : 2019
Oxides of Nitrogen (NO <sub>2</sub> )	17.3	Not specified	mg/Nm <sup>3</sup>	IS 11255 (Part 7) : 2017
Carbon Dioxide (CO <sub>2</sub> )	6	Not specified	%	IS 13270 : 2019
Oxygen (O <sub>2</sub> )	9	Not specified	%	IS 13270:1992
Carbon Monoxide (CO)	4.6	Not specified	%	IS 13270 : 2019

  
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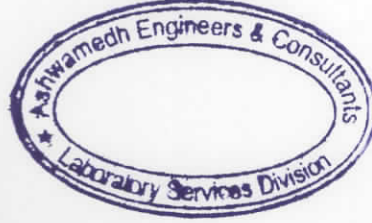


End of Report



Sample ID : SA/02/24/5496	Report No. SA/02/24/5496	Report Date	21/02/2024
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