

Ref. No. MOEF&CC/05/25/1373

Date: 15.05.2025

The IGF& In charge,
GOI, MoEF&CC, Integrated Regional Office, Kolkata
IB – 198, Sector-III, Salt Lake City,
Kolkata - 700106

Sub: Six monthly status reports on the Compliance of the Conditions of the Environment Clearance for new plant.

**Ref: Environment Clearance No: J-11011/139/2006-IA II (I) Dated. June 19, 2006
& MOEF&CC EC Transfer: J-11011/139/2006-IA II (I) Dated: 19.01.2021**

Dear Sir / Madam,

We are enclosing herewith the EC compliance status report for the period **October '2024 – March'2025** on the point wise compliance to the conditions as mentioned in Environmental clearance for your kind perusal. It may kindly be noted that all the Annexure mentioned in this letter as supplementary evidence/report are common & attached with the status report of Compliance of the Environment Clearance of Existing PTA plant.

The necessary 'Consent to Operate' under the Air & Water Act, Public Liability Insurance Policy, and authorization for hazardous waste etc. is being periodically renewed and updated. We sincerely hope that the above compliance status report is in line with the approval letter accorded by MoEF&CC for our new plant and will meet your requirements. We are ready to provide any further clarifications, if necessary.

Thanking You,

Sincerely yours,
For **MCPI Private Limited**



A. C. Mishra
Plant Head

Encl: as stated.

**CC: Environmental Engineer-In-Charge, HRO, WBPCB
Sr. Env. Engineer (Planning), WBPCB
Sr. Env. Engineer, CPCB, Kolkata**

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS

1. Name of the Project: **M/s MCPI Private Limited – Haldia (West Bengal)**
2. MOEF&CC EC Clearance: J-11011/139/2006-IA II (I) Dated:19.06.2006.
&
MOEF&CC EC Transfer: J-11011/139/2006-IA II (I) Dated: 19.01.2021.
3. **Period of Compliance Report: From 01.04.2024 to 31.03.2025**

| Sl. No | Specific conditions | Compliance Status |
|--------|---|--|
| (i) | The gaseous emissions (SO ₂ , NO _x , HC & VOCs) from the various process units shall conform to the standards prescribed under Environment (Protection) Rules, 1986 or norms stipulated by the SPCB whichever is more stringent. At no time, the emissions level shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the units, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. | It is complied. |
| (ii) | Requisite numbers of ambient air quality monitoring stations, [SPM, SO ₂ , NO _x , &HC] shall be set up in the Petrochemical complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind i.e maximum impact zone. The monitoring network must be decided based on modeling exercise to represent short-term GLCs. Continuous on-line stack monitoring equipment shall be installed for measurement of SO ₂ and NO _x . Data on VOCs shall be monitored and submitted to the SPCB / Ministry. | <p>Emissions are monitored from various units and within the permissible limit. Stack monitoring is being done by an approved third party. The result of stack emission is attached herewith. Refer Annexure – I</p> <p>The Ambient Air Quality monitoring started in Oct'24 and continued up to Mar'25 at six different locations (Five outside the factory & One inside the factory). Results enclosed in Annexure- IIa.</p> <p>An online Continuous ambient air quality monitoring station was commissioned in the month of April'2012. Result of Oct'24 to Mar'25 is enclosed in Annexure – IIb Online stack monitoring data is transferring to WBPCB & CPCB server.</p> <p>Online effluent monitoring data is transferring to CPCB /WBPCB server.</p> |



| Sl. No | Specific conditions | Compliance Status |
|--------|---|--|
| (iii) | The company shall take measures for control of fugitive emissions for storage of Para –Xylene. Measures shall be taken for provision of double mechanical seals to all the pumps handling high vapors pressure materials, sensors for detecting HC/ toxic gas leakages at strategic locations, regular inspection of fixed roof tanks, maintenance of valves and other equipments. | Work environment monitoring is being done by the on-line static gas detectors, which are installed at various strategic locations inside the process plant & Tank farm area. These are being continuously monitored from DCS, which are provided with audio-visual signal & alarm. Work zone air quality monitoring was done in the month of December'24 for SPM, RPM, organic and inorganic vapors throughout the plant by third party. The result is enclosed in Annexure – Ilc. |
| (iv) | All new standards/norms that are being proposed by the CPCB for petrochemical plants shall be applicable for the proposed PTA plant. The company shall conform to the proposed vent standards for organic chemicals including non-VOCs and all possible VOCs i.e. TOCs standard and process vent standards for top priority chemicals. The company shall install online monitors for VOC measurements. The project authorities shall take necessary measures to comply with the above proposed emission norms including monitoring facilities and intimate the same to this Ministry. | The new standards are being followed. The process of vents is being monitored regularly. Online VOC monitors have been installed at various strategic locations. |
| (v) | M/s MCPI shall adopt Leak Detection and Repair (LDAR) program for quantification and control of fugitive emissions. | LDAR monitoring was done in our new plant. LDAR report is enclosed as Annexure-IId. |
| (vi) | To mitigate NOx emissions, the company shall install low NOx burners for hot oil heaters. Adequate stack height for discharge of flue gas emissions from the hot oil heater, the DG set and incinerator shall be provided as per the CPCB guidelines. | Low NOx burner already provided for HOH. Adequate stack heights for HOH, DEG & Incinerator made as per CPCB guidelines. |
| (vii) | The company shall undertake measures for control of emissions by installation of scrubbers with adequate height as per the CPCB guidelines. All vents from the scrubber units shall be connected to off gas combustion system for complete incineration of off gases. | Scrubbers installed at various stages of the process & the vents from the scrubbers are connected to off-gas unit for complete destruction. |



| Sl.No | Specific conditions | Compliance Status |
|--------|---|---|
| (viii) | As reflected in the EIA/EMP reports, the effluent generation shall not exceed 20832 m3/d (8100 m3/d of process effluent, 6615 m3/d from DM plant, and 120 m3/d of domestic effluent and 600 m3/d from other sources). The treated effluent after primary and secondary treatment shall comply with the standards stipulated by WBPCB/ Central Pollution Control Board. The treated effluent shall be discharged into the river Hooghly after conforming the prescribed standards. | The treated effluent is discharged to river Hooghly only after meeting the prescribed standards. A separate effluent treatment plant has been constructed and the treated water of both the plants is being discharged through a common outlet. Monitoring data is attached herewith. (Refer Annexure – III) |
| (ix) | The company shall install incinerator for incineration of ETP and process sludge. The incinerator shall meet CPCB specifications. | The new incinerator was installed based on CPCB specifications & norms. At present Incinerator was stopped on temporary basis. Process and utility Sludge (ETP) send to OCL India Ltd (Cement Unit) for Co-processing and WBWML (authorized TSDF) for safe disposal. |
| (x) | Green belt shall be provided to mitigate the effects of fugitive emissions all around the plant in an area of 10 ha in consultation with DFO as per CPCB guidelines. | Total plantations around the project have been completed & yearly maintenance of green belt is going on. Taken consultation from DFO – Enclosed copy of letter received from DFO as Annexure -VIII and as per recommendations we will further develop by plantation with local plants in existing green belt. Every Year we are celebrating World Environment Day and distributing plants to local community and doing plantation inside our Factory Green Belt, some photographs are enclosed as Annexure -VI |
| (xi) | Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. | The Occupational health surveillance is conducted for the existing plant as well as new plant. |



| Sl.No | General conditions | Compliance Status |
|-------|---|---|
| (i) | The project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board and the State Government. | Complied |
| (ii) | No further expansion or modernization in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. | No expansion is done |
| (iii) | At no time, the emissions should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective units should be immediately put out of operation and should not be restarted until the desired efficiency has been achieved. | Yes, it is complied |
| (iv) | All the recommendations made in the EIA/EMP report and risk assessment reports should be implemented. | The recommendations of the EIA/ EMP report and risk assessment report have been completed. |
| (v) | The overall noise levels in and around the plant area should 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). | Noise levels are being monitored periodically in the work environment as well as the ambient noise levels. Test Reports are enclosed as Annexure-VII |
| (vi) | The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project. | All the relevant provisions of the Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended till date will be followed. Approval/ License from CCOE, Nagpur already taken for Storage for Petroleum products. (No. P/HQ/WB/15/854(P28267) |



| Sl.No | General conditions | Compliance Status |
|--------|--|---|
| (vii) | 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 Wastes (Management and Handling) Rules, 2008. Authorization from the State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes. | All the relevant provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended till date followed and necessary approval/ amendment is being taken from WBPCB. |
| (viii) | The project authorities will provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes. | Adequate funds for recurring and non-recurring for the implementation of the Environment Management Plan (EMP) have already been allocated. Separate HSE expense budget prepared and approved. Last 3 years Environmental Expenditure details are also attached as Annexure IX |
| (ix) | The stipulated conditions will be monitored the Regional of this Ministry at Bhubaneswar Kolkata (new Regional office was established in Kolkata in the year 2020)/Central Pollution Control Board/State Pollution Control Board. A six-monthly compliance report and the monitored data shall be submitted to them regularly. | Six monthly compliance report and monitoring data submitted to new MoEF&CC, Regional Office located in Kolkata, periodically. |
| (x) | 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 available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in . This should 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 region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office. | Complied |
| (xi) | The Project Authorities should 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 commencing of the land development work. | Complied |



Ref. No. MOEF&CC /05/25/1372

Date: 15.05.2025

The IGF& In charge,
GOI, MoEF &CC, Integrated Regional Office, Kolkata
IB – 198, Sector-III, Salt Lake City,
Kolkata - 700106

Sub: Six Monthly Status Report on the Compliance of the Conditions of the Environment Clearance for the Old plant.

**Ref: Environment Clearance no. J-11011/33/97. IA. II (I) dated 20/7/98.
& MoEF&CC EC Transfer: J-11011/33/97. IA. II (I) dated 19.01.2021.**

Dear Sir / Madam,

We are enclosing herewith the status report for the period from **October'2024–March'25** on the point wise compliance to the conditions as mentioned in the Environmental clearance.

The necessary 'Consent to Operate' under Air & Water Act, Public Liability Insurance Policy, and authorization for hazardous waste etc. is being periodically renewed and updated. We sincerely hope that the above compliance status report is in line with the approval letter accorded by MoEF&CC for our Old plant and would meet your requirement. We are ready to provide any further clarifications, if necessary.

Thanking You,

Sincerely yours,
For **MCPI Private Limited**



A.C. Mishra
Plant Head

Encl: as stated.

**CC: Environmental Engineer-In-Charge, HRO, WBPCB
Sr. Env. Engineer (Planning), WBPCB
Sr. Env. Engineer, CPCB, Kolkata**

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS

1. Name of the Project: **M/s MCPI Private Limited – Haldia (West Bengal)**
2. MOEF&CC EC Clearance: J-11011/33/97. IA. II (I) dated 20/07/1998.
&
MoEF&CC EC Transfer: J-11011/33/97. IA. II (I) dated 19.01.2021.
3. **Period of Compliance Report: From 01.10.2024 to 31.03.2025**

| Sl. No | Conditions | Compliance Status |
|--------|--|---|
| (i) | Gaseous and emissions (SPM, SO ₂ , CO, HC & NO _x) from the various process units should conform to the standards prescribed by the competent authorities from time to time. At no time, the emissions level should go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be put out of operation immediately and should not be restarted until the control measures are rectified to achieve the desired efficiency. | It is complied. |
| (ii) | <p>Adequate number of air quality monitoring station should be set up in the down wind direction as well as where maximum ground level concentrations of SPM, SO₂, NO_x are anticipated in consultation with the State Pollution Control Board. The air quality monitoring stations should be selected based on modeling exercise to represent short term ground level concentrations, sensitive targets etc.,</p> <p>Stack emission should be monitored regularly by setting stack monitoring devices in consultation with the state pollution control board.</p> <p>Data on stack emissions and ambient air quality including work zone should be submitted to this Ministry once in six months and the state pollution control Board once in three months along with the statistical analysis.</p> | <p>We have conducted ambient air quality monitoring from different locations inside as well as outside of the Factory (Within 10 km radius) depending upon predominant wind direction with the help of the approved vendor of WBPCB from each location on 24 hourly bases.</p> <p>The monitoring started in Nov'24 and continued up to March'25 at six different locations (Five outside the factory & One inside the factory). Results enclosed in Annexure- IIa.</p> <p>An online ambient air quality monitoring station was commissioned in the month of April'12. Result of Oct'24 to March'25 is enclosed in Annexure – IIb</p> |



| Sl. No | Conditions | Compliance Status |
|--------|---|--|
| | | <p>We had been continuing our monitoring of various Stacks with the help of approved Vendor of WBPCB / MoEF&CC on periodic basis. Only quarterly monitoring of stacks is required as per the guidelines of the Air Consent letter & WBPCB is monitoring the same on quarterly basis. Analysis results from these stacks are enclosed as Annexure - I.</p> <p>Attached Stack Monitoring and AAQM monitoring vendor's NABL / MOEF&CC approval copies as Annexure-1a</p> |
| (iii) | Work area air quality should meet the standards prescribed by the competent authorities/ OSHA. Fugitive emissions (HC) should be controlled, regularly monitored and data recorded. | <p>Work environment monitoring is being done by the on-line static gas detectors, which are installed at various strategic locations inside the process plant & Tank farm area. These are being continuously monitored from DCS, which are provided with audio-visual signal & alarm. Work zone air quality monitoring was done in the month of December'24 for SPM, RPM, organic and inorganic vapors throughout the plant by third party. The result is enclosed in Annexure – IIc. LDAR monitoring was done in our DP plant. Report is enclosed as Annexure -IId</p> |
| (iv) | Liquid effluents coming out of the plant and the township should conform to the standards prescribed by the competent authorities from time to time. Recycling and reuse of the treated wastewater should be maximized to the extent possible. Tertiary treatment facilities should be provided as committed in the EMP | <p>Our Effluent Treatment Plant is operated under activated sludge with diffused aeration system. The treated effluent is being monitored on-line (pH & Temp.) regularly through DCS. WBPCB also collects samples of final discharge treated effluent every month.</p> <p>The Final discharge effluent quality results are enclosed as Annexure-III.</p> |



| Sl.No | Conditions | Compliance Status |
|-------|--|--|
| (v) | Guard ponds of sufficient holding capacity should be provided to cope up with the effluents discharge during the process disturbances. The contributing units should be immediately shut down and should not be restarted without bringing the system back to normalacy. | <p>We have installed four number of wastewater storage tanks having sufficient holding capacity for storage of Wastewater coming from various process discharges of the plant.</p> <p>This influence is being fed to the Aeration Tank at controlled rate as per their BOD & COD load through DCS. Besides, we have ETP pit of capacity 16,250 m³ (Big pit) & Small pit (17.85 m³) from where the treated effluent is pumped and discharged to the river Hoogly through underground pipeline after monitoring pH, Temperature, COD, BOD & TSS.</p> |
| (vi) | Adequate number of effluent quality monitoring stations should be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for PH, SS, BOD, COD. The monitored data along with statistical analysis and interpretation in the form of a report should be submitted to this ministry once in six months and the SPCB once in three months. | <p>Effluent Quality Monitoring Station has been installed in the final effluent discharge stream. The treated effluent from ETP is collected in the ETP pit from where it is discharged through underground pipeline through sluice gate by pump to the river after continuously monitoring pH, Temp. by on-line analyzers. As the final treated effluent discharge is through a closed system there is no chance of any contamination/mixing.</p> <p>In view of the above one monitoring station in the final effluent discharge stream is considered adequate. This was also physically inspected by WBPCB, Kolkata & Haldia officials. The total Effluent Treatment Plant is being monitored through DCS (Distributed Control System).</p> <p>The analysis of different waste-water streams (COD & BOD) is being done by Laboratory regularly and the results are fed to DCS. Thus, the feed rate of different wastewater streams (Influent loads) to the inlet of ETP is controlled, so that the treated effluent quality meets the permissible limit. Hence the Effluent Treatment Plant operated smoothly.</p> |



| Sl.No | Conditions | Compliance Status |
|--------|---|---|
| | | <p>The final treated effluent samples before discharge are tested for all the parameters at our own laboratory once in a month, which is well equipped with all testing facilities. The test result of the final discharge effluent is enclosed as Annexure-III.</p> <p>Online effluent monitoring system was installed at final discharge point and the online effluent monitoring data is transferring to CPCB server & WBPCB website.</p> |
| (vii) | A study to assess the impact on Hooghly River due to disposal of treated effluent should be carried out. The marine outfall point, and route of the pipeline should be finalized based on the recommendation of the marine impact study before commissioning the project. Approval from WBPCB should be obtained for the above. | The Marine Impact Assessment study for assessing the impact on Hooghly River due to disposal of treated effluent had been done and the same report had been submitted to MOEF&CC & WBPCB, Kolkata before commissioning of the Project. From the report it was concluded that no impact on the river body is envisaged due to discharge of our treated effluent. |
| (viii) | Permission under CRZ Notification must be obtained for the proposed facilities in the coastal stretch, if applicable and the conditions strictly adhered to. | Permission under CRZ notification is not necessary for the location of our Factory as per the notification since Haldia development area is categorized as CRZ-II. The distance prescribed for CRZ-II is 100m for HTL. A Certificate on this issue provided by Haldia Development Authority along with the endorsed drawing of site-location had already been submitted to your office earlier. |
| (ix) | A secured double lined landfill should be developed for disposal of solid waste by providing impervious liner and leachate collection system. The design of the landfill site should be submitted within 3 months for Ministry's consideration and approval. | All the hazardous & non-hazardous wastes are stored at our site in an integrated scrap yard in a segregated manner. Refer Annexure – IV for details. The hazardous waste is finally disposed through CHW-TSDF at Haldia & CPCB approved parties from the Scrap yard complying with all the necessary legal requirements. A separate shed for used oil & waste oil had been constructed for storage of some to avoid environmental pollution. The number of hazardous wastes disposed to TSDF during this period is enclosed. Refer Annexure – V . |



STACK EMISSION MONITORING & ANALYSIS DATA BASE

(Oct'24 to March'25)

Stack Physical Parameters

| Existing Plant | | | Expansion Plant & CHH Plant | | |
|--|--------------------|------------------------------------|-----------------------------|--------------------|------------------------------------|
| Stack connected to | Height from GL (m) | Internal dia at sampling point (m) | Stack connected to | Height from GL (m) | Internal dia at sampling point (m) |
| DEG | 58 | 3.16 | Hot oil Heater | 30 | 1.4 |
| Hot oil Heater | 69 | 1.9 | DEG & Incinerator | 70 | 2.2 |
| Boiler/Incinerator | 88 | 1.7 | Off Gas Combustion Unit | 30 | |
| PX oxidation off gas (PX - Paraxylene) | 21.85 | 2.2 | Coal Based Hot Oil Heater-A | 52 | 2 |
| Vent gas scrubber -I (Scrubbing of Process off gas from) | 18.35 | 1.6 | Coal Based Hot Oil Heater-B | 52 | 2 |
| Vent gas scrubber -II (PTA Storage Scrubber) | 15.15 | 2.1 | Coal Based Hot Oil Heater-C | 52 | 2 |

Note:

- Stack emissions are monitored wrt to PM, CO, SO₂, NO₂. However as per the Air & Water Consent to operate only PM & CO are to be monitored. Hydrocarbon monitoring done on quarterly basis in Hot oil heater stacks.
- As there is no PM, SO₂ & NO₂ from Process emission (PX off gas, Vent gas scrubber-I & II, off gas combustion unit)
- Incinerator emission is through Boiler stack ie Boiler & Incinerator stack is common in the existing plant.
- Boiler not running during normal operation. It is operated only during start up & shut down of the Plant.
- Stack sampling from Hot Oil Heater, DEG, Incinerator in the Existing & Expansion Plant are conducted by third party, whereas for vent gas scrubber I, II, PX Off Gas stack, off gas combustion emission sampling is conducted in-house.

ANALYSIS RESULTS

Month-October'24

| S No. | Parameter | Existing Plant | | | Expansion Plant | | | | | |
|-------|---------------------------------------|----------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|----------------|--------------------|--------------------|
| | | Hot oil heater | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | PX off gas Stack | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | Hot Oil Heater | DEG & Incinerat or | Off Gas Combustion |
| 1 | PM (mg/Nm ³) | 52.29 | | | | 34.29 | 37.15 | 59.68 | | |
| 2 | CO (ppm) | 36.60 | | | | 57.20 | 61.5 | 28.70 | | - |
| 3 | SO ₂ (mg/Nm ³) | 148.30 | stop** | stop* | 0.11 | 296.00 | 311.6 | 136.70 | Standby | - |
| 4 | NO ₂ (mg/NM ³) | 97.80 | | | | 172.70 | 187.5 | 89.80 | | - |





National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

MITRA S.K. PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

**BUILDING NO. P-48,UDAYAN INDUSTRIAL ESTATE,3, PAGLADANGA ROAD, KOLKATA, WEST BENGAL,
INDIA**

in the field of

TESTING

Certificate Number: TC-6950

Issue Date: 18/09/2023

Valid Until:

17/09/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: MITRA S.K. PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



ANALYSIS RESULTS

Month - November'24

| Existing Plant | | | | Expansion Plant | | | |
|----------------|---------------------------------------|----------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|
| S No. | Parameter | Hot oil heater | DEG | Incinerator | PX off gas Stack | Vent gas scrubber-I | Hot Oil Heater |
| S No. | Parameter | Hot oil heater | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | PX off gas Stack | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B |
| 1 | PM (mg/Nm ³) | 47.63 | stop** | stop* | 0.13 | 35.43 | 43.21 |
| 2 | CO (ppm) | 51.60 | | | | 72.40 | 76.4 |
| 3 | SO ₂ (mg/Nm ³) | 161.80 | | | | 289.50 | 310 |
| 4 | NO ₂ (mg/Nm ³) | 119.20 | | | | 178.60 | 182.8 |
| | | | | | | | 88.90 |
| | | | | | | | Standby |
| | | | | | | | Off Gas Combustion |

| Existing Plant | | | | Expansion Plant | | | |
|----------------|------------|----------------|--------|-----------------|----------------|----------------------|------|
| S No. | Parameter | Hot oil heater | DEG | Incinerator | Hot Oil Heater | DEG & Incinerator or | stop |
| 1 | NMHC (ppm) | <2.0 | stop** | stop | <2.0 | stop | stop |

WBPCB SAMPLING:

| November'24 | | | | November'24 | | | |
|----------------|--------------------------|----------------|--------|-----------------|----------------|-------------------|------|
| Existing Plant | | | | Expansion Plant | | | |
| S No. | Parameter | Hot oil heater | DEG | Incinerator | Hot Oil Heater | DEG & Incinerator | stop |
| 1 | PM (mg/Nm ³) | 5.28 | stop** | stop | 2.58 | stop | stop |

ANALYSIS RESULTS

Month -December'24

| Existing Plant | | | | Expansion Plant | | | |
|----------------|---------------------------------------|----------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|
| S No. | Parameter | Hot oil heater | DEG | Incinerator | PX off gas Stack | Vent gas scrubber-I | Hot Oil Heater |
| S No. | Parameter | Hot oil heater | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | PX off gas Stack | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B |
| 1 | PM (mg/Nm ³) | 35.50 | stop** | stop* | 0.11 | 30.76 | 20.71 |
| 2 | CO (ppm) | 52.40 | | | | 70.80 | 75.6 |
| 3 | SO ₂ (mg/Nm ³) | 141.10 | | | | 309.30 | 362.9 |
| 4 | NO ₂ (mg/Nm ³) | 80.60 | | | | 200.40 | 234.3 |
| | | | | | | | 81.80 |
| | | | | | | | Standby |
| | | | | | | | Off Gas Combustion |



ANALYSIS RESULTS

Month - January'25

| S No. | Parameter | Existing Plant | | | | Expansion Plant | | |
|-------|---------------------------------------|----------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|-------------------------------------|
| | | Hot oil heater | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | PX off gas Stack | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | Hot Oil Heater or DEG & Incinerator |
| 1 | PM (mg/Nm ³) | 36.10 | | | | 27.40 | 24.3 | 26.60 |
| 2 | CO (ppm) | 58.00 | | | 0.11 | 67.00 | 78 | 62.00 |
| 3 | SO ₂ (mg/Nm ³) | 133.00 | stop** | stop* | | 417.00 | 167 | 158.00 |
| 4 | NO _x (mg/Nm ³) | 75.00 | | | | 152.00 | 78 | 77.00 |

ANALYSIS RESULTS

Month-February'25

| S No. | Parameter | Existing Plant | | | | Expansion Plant | | |
|-------|---------------------------------------|----------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|-------------------------------------|
| | | Hot oil heater | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | PX off gas Stack | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | Hot Oil Heater or DEG & Incinerator |
| 1 | PM (mg/Nm ³) | 18.51 | | | | 18.91 | 28.68 | 20.46 |
| 2 | CO (ppm) | 48.00 | | | 0.15 | 80.70 | 99.3 | 62.20 |
| 3 | SO ₂ (mg/Nm ³) | 161.00 | stop** | stop* | | 502.00 | 477 | 145.00 |
| 4 | NO ₂ (mg/Nm ³) | 78.00 | | | | 185.00 | 152 | 64.00 |

| February'25 | | Existing Plant | | Expansion Plant | |
|-------------|------------|----------------|--------|-----------------|-------------------------------------|
| S No. | Parameter | Hot oil heater | DEG | Incinerator | Hot Oil Heater or DEG & Incinerator |
| 1 | NMHC (ppm) | <2.5 | stop** | stop | <2.5 |

WBPCB SAMPLING:

February'25

| S No. | Parameter | Existing Plant | | Expansion Plant | |
|-------|--------------------------|----------------|--------|-----------------|-------------------------------------|
| | | Hot oil heater | DEG | Incinerator | Hot Oil Heater or DEG & Incinerator |
| 1 | PM (mg/Nm ³) | 8.98 | stop** | stop | 2.58 |

ANALYSIS RESULTS

Month-March'25

| S No. | Parameter | Existing Plant | | | | Expansion Plant | | |
|-------|---------------------------------------|----------------|-----------------------------|-----------------------------|------------------|-----------------------------|-----------------------------|-------------------------------------|
| | | Hot oil heater | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | PX off gas Stack | Coal Based Hot Oil Heater-A | Coal Based Hot Oil Heater-B | Hot Oil Heater or DEG & Incinerator |
| 1 | PM (mg/Nm ³) | 24.50 | | | | 27.90 | 20.9 | 13.50 |
| 2 | CO (ppm) | 61.50 | | | 0.13 | 77.80 | 91.2 | 65.30 |
| 3 | SO ₂ (mg/Nm ³) | 152.00 | stop** | stop* | | 458.00 | 425 | 132.00 |
| 4 | NO ₂ (mg/Nm ³) | 79.20 | | | | 161.00 | 172 | 68.20 |

* Co- processing activity is on process with M/S Orisha Cement Ltd (Dalmia) as per CPCB approval 3rd party Laboratory Vendor's NABL / MOEFCC approval copies as Annexure-1a, NA- Not Analyzed

** April'2015 onwards we are using Grid power & Bothe the In-house Incinerators are in stop condition.



TABLE-A
 AMBIENT AIR QUALITY RESULTS
 MONITORING STATION: MCPI Plant
 Annexure-IIa

| SL. | DATE | Pollutant's Concentration | | | | | | | | | | | |
|-------------------|----------------|---------------------------------------|--|--------------------------------------|--------------------------------------|---|-----------------------------------|-------------|--|--|--|--------------------------------------|-------------------------------------|
| | | PM ₁₀ μg/m ³ | PM _{2.5} μg/m ³ | SO ₂ μg/m ³ | NO ₂ μg/m ³ | Ozone (O ₃) μg/m ³ | Lead (Pb) μg/m ³ | CO mg/m3 | Ammonia (NH ₃) μg/m ³ | Benzene (C ₆ H ₆) μg/m ³ | Benzo(a)Pyrene (BaP) ng/m ³ | Arsenic (As) ng/m ³ | Nickel (Ni) ng/m ³ |
| 1 | 04.11-05.11.24 | 98.50 | 53.60 | 9.20 | 45.60 | 26.6 | 0.03 | 0.73 | 24.5 | BDL | BDL | BDL | 8.52 |
| 2 | 07.11-08.11.24 | 82.20 | 46.60 | 10.20 | 30.20 | | | 0.96 | | | | | |
| 3 | 10.11-11.11.24 | 86.80 | 48.90 | 8.50 | 35.50 | | | 0.85 | | | | | |
| 4 | 13.11-14.11.24 | 97.50 | 51.50 | 9.20 | 28.60 | | | 0.75 | | | | | |
| 5 | 16.11-17.11.24 | 82.70 | 52.60 | 10.80 | 30.60 | | | 0.57 | | | | | |
| 6 | 19.11-20.11.24 | 75.50 | 54.70 | 9.60 | 24.80 | | | 0.64 | | | | | |
| 7 | 22.11-23.11.24 | 80.20 | 57.50 | 8.60 | 37.50 | | | 0.56 | | | | | |
| 8 | 25.11-26.11.25 | 85.90 | 49.90 | 7.60 | 51.30 | | | 0.63 | | | | | |
| 9 | 28.11-29.11.24 | 81.80 | 38.20 | 8.50 | 42.70 | | | 0.45 | | | | | |
| 10 | 01.12-02.12.24 | 75.40 | 39.10 | 6.20 | 45.90 | | | 0.22 | | | | | |
| 11 | 04.12-05.12.24 | 61.30 | 35.30 | 7.10 | 29.60 | | | 0.36 | | | | | |
| 12 | 07.12-08.12.24 | 72.20 | 32.40 | 6.60 | 34.80 | | | 0.49 | | | | | |
| 13 | 10.12-11.12.24 | 68.40 | 28.10 | 7.90 | 31.50 | | | 0.71 | | | | | |
| 14 | 13.12-14.12.24 | 66.30 | 35.90 | 6.70 | 28.30 | | | 0.58 | | | | | |
| 15 | 16.12-17.12.24 | 58.40 | 24.90 | 7.40 | 36.50 | | | 0.66 | | | | | |
| 16 | 19.12-20.12.24 | 63.30 | 27.60 | 6.50 | 36.70 | | | 0.49 | | | | | |
| AVERAGE | | 77.28 | 42.30 | 8.16 | 35.63 | 26.6 | 0.03 | 0.60 | 24.5 | BDL | BDL | BDL | 8.52 |
| Limit as per CPCB | | 100 | 60 | 80 | 80 | 180 | 1 | 2 | 400 | 5 | 1 | 6 | 20 |



TABLE-B
AMBIENT AIR QUALITY RESULTS
MONITORING STATION: Girishmore

| SL. | DATE | Pollutant's Concentration | | | | | | | | | | | |
|-------------------|----------------|---------------------------------------|--|--------------------------------------|--------------------------------------|---|-----------------------------------|-------------|--|--|--|--------------------------------------|-------------------------------------|
| | | PM ₁₀ µg/m ³ | PM _{2.5} µg/m ³ | SO ₂ µg/m ³ | NO ₂ µg/m ³ | Ozone (O ₃) µg/m ³ | Lead (Pb) µg/m ³ | CO mg/m3 | Ammonia (NH ₃) µg/m ³ | Benzene (C ₆ H ₆) µg/m ³ | Benzo(a)Pyrene (BaP) ng/m ³ | Arsenic (As) ng/m ³ | Nickel (Ni) ng/m ³ |
| 1 | 05.11-06.11.24 | 93.80 | 50.70 | 9.60 | 51.20 | 31.50 | 0.03 | 0.95 | 28.5 | BDL | BDL | BDL | 10.2 |
| 2 | 08.11-09.11.24 | 84.50 | 45.50 | 9.90 | 32.50 | | | 1.11 | | | | | |
| 3 | 11.11-12.11.24 | 92.20 | 52.20 | 8.50 | 30.70 | | | 1.02 | | | | | |
| 4 | 14.11-15.11.24 | 94.50 | 54.50 | 8.70 | 38.50 | | | 0.74 | | | | | |
| 5 | 17.11-18.11.24 | 81.20 | 46.60 | 7.80 | 42.70 | | | 0.98 | | | | | |
| 6 | 20.11-21.11.24 | 78.80 | 48.50 | 9.20 | 34.50 | | | 0.83 | | | | | |
| 7 | 23.11-24.11.24 | 92.20 | 53.30 | 9.40 | 46.60 | | | 0.87 | | | | | |
| 8 | 26.11-27.11.24 | 94.50 | 55.70 | 8.70 | 51.30 | | | 0.85 | | | | | |
| 9 | 29.11-30.11.24 | 66.30 | 38.30 | 8.10 | 42.50 | | | 0.91 | | | | | |
| 10 | 02.12-03.12.24 | 78.50 | 42.50 | 6.80 | 55.80 | | | 0.63 | | | | | |
| 11 | 05.12-06.12.24 | 96.80 | 58.30 | 9.80 | 40.10 | | | 0.77 | | | | | |
| 12 | 08.12-09.12.24 | 84.20 | 44.60 | 7.40 | 36.90 | | | 0.74 | | | | | |
| 13 | 11.12-12.12.24 | 72.70 | 38.30 | 7.00 | 44.80 | | | 0.62 | | | | | |
| 14 | 14.12-15.12.24 | 64.80 | 35.70 | 6.60 | 25.70 | | | 0.75 | | | | | |
| 15 | 17.12-18.12.24 | 79.20 | 44.80 | 7.20 | 39.20 | | | 0.49 | | | | | |
| 16 | 20.12-21.12.24 | 88.70 | 39.30 | 8.40 | 32.70 | | | 0.58 | | | | | |
| AVERAGE | | 83.93 | 46.80 | 8.32 | 40.36 | 31.50 | 0.03 | 0.80 | 28.5 | BDL | BDL | BDL | 10.2 |
| Limit as per CPCB | | 100 | 60 | 80 | 80 | 180 | 1 | 2 | 400 | 5 | 1 | 6 | 20 |



TABLE-C
AMBIENT AIR QUALITY RESULTS
MONITORING STATION:RAMNAGAR

| SL. | DATE | Pollutant's Concentration | | | | | | | | | | | |
|-------------------|----------------|---------------------------------------|--|--------------------------------------|--------------------------------------|---|-----------------------------------|-------------|--|--|--|--------------------------------------|-------------------------------------|
| | | PM ₁₀ μg/m ³ | PM _{2.5} μg/m ³ | SO ₂ μg/m ³ | NO ₂ μg/m ³ | Ozone (O ₃) μg/m ³ | Lead (Pb) μg/m ³ | CO mg/m3 | Ammonia (NH ₃) μg/m ³ | Benzene (C ₆ H ₆) μg/m ³ | Benzo(a)Pyrene (BaP) ng/m ³ | Arsenic (As) ng/m ³ | Nickel (Ni) ng/m ³ |
| 1 | 04.11-05.11.24 | 93.50 | 48.40 | 7.20 | 38.50 | 40.20 | 0.02 | 0.48 | 28.50 | BDL | BDL | BDL | BDL |
| 2 | 07.11-08.11.24 | 80.20 | 50.20 | 8.20 | 30.20 | | | 0.69 | | | | | |
| 3 | 10.11-11.11.24 | 74.50 | 36.50 | 9.50 | 28.60 | | | 0.58 | | | | | |
| 4 | 13.11-14.11.24 | 68.50 | 34.70 | 9.80 | 31.50 | | | 0.34 | | | | | |
| 5 | 16.11-17.11.24 | 55.70 | 30.20 | 7.50 | 38.50 | | | 0.62 | | | | | |
| 6 | 19.11-20.11.24 | 78.90 | 46.60 | 9.60 | 30.20 | | | 0.58 | | | | | |
| 7 | 22.11-23.11.24 | 84.50 | 52.20 | 8.50 | 37.50 | | | 0.68 | | | | | |
| 8 | 25.11-26.11.25 | 61.10 | 25.90 | 6.80 | 25.40 | | | 0.45 | | | | | |
| 9 | 28.11-29.11.24 | 52.60 | 20.70 | | 32.90 | | | 0.33 | | | | | |
| 10 | 01.12-02.12.24 | 49.30 | 22.80 | | 29.80 | | | 0.69 | | | | | |
| 11 | 04.12-05.12.24 | 58.70 | 33.60 | 7.60 | 40.10 | | | 0.52 | | | | | |
| 12 | 07.12-08.12.24 | 69.50 | 32.40 | 7.20 | 35.60 | | | 0.54 | | | | | |
| 13 | 10.12-11.12.24 | 45.70 | 20.90 | | 31.10 | | | 0.47 | | | | | |
| 14 | 13.12-14.12.24 | 70.30 | 42.80 | 6.50 | 39.80 | | | 0.40 | | | | | |
| 15 | 16.12-17.12.24 | 75.40 | 41.10 | 6.60 | 28.10 | | | 0.29 | | | | | |
| 16 | 19.12-20.12.24 | 51.90 | 27.90 | | 22.70 | | | 0.42 | | | | | |
| AVERAGE | | 66.89 | 35.43 | 7.92 | 32.53 | 40.20 | 0.02 | 0.51 | 28.50 | BDL | BDL | BDL | BDL |
| Limit as per CPCB | | 100 | 60 | 80 | 80 | 180 | 1 | 2 | 400 | 5 | 1 | 6 | 20 |



TABLE-D
AMBIENT AIR QUALITY RESULTS
MONITORING STATION: BASUDEVPUR

| SL. | DATE | Pollutant's Concentration | | | | | | | | | | | |
|---------|----------------|---------------------------------------|--|--------------------------------------|--------------------------------------|---|-----------------------------------|-------------------------|--|--|--|--------------------------------------|-------------------------------------|
| | | PM ₁₀ μg/m ³ | PM _{2.5} μg/m ³ | SO ₂ μg/m ³ | NO ₂ μg/m ³ | Ozone (O ₃) μg/m ³ | Lead (Pb) μg/m ³ | CO mg/m ³ | Ammonia (NH ₃) μg/m ³ | Benzene (C ₆ H ₆) μg/m ³ | Benzo(a)Pyrene (BaP) ng/m ³ | Arsenic (As) ng/m ³ | Nickel (Ni) ng/m ³ |
| 1 | 05.11-06.11.24 | 85.60 | 47.30 | 7.60 | 30.20 | 22.50 | BDL | 0.44 | <20.0 | BDL | BDL | BDL | 7.2 |
| 2 | 08.11-09.11.24 | 75.50 | 45.50 | 9.50 | 25.20 | | | 0.65 | | | | | |
| 3 | 11.11-12.11.24 | 66.60 | 46.60 | 10.50 | 26.30 | | | 0.54 | | | | | |
| 4 | 14.11-15.11.24 | 76.60 | 54.70 | 8.80 | 18.50 | | | 0.68 | | | | | |
| 5 | 17.11-18.11.24 | 75.80 | 41.20 | 9.60 | 34.50 | | | 0.56 | | | | | |
| 6 | 20.11-21.11.24 | 68.50 | 38.50 | 10.50 | 25.70 | | | 0.78 | | | | | |
| 7 | 23.11-24.11.24 | 88.50 | 45.60 | 9.70 | 34.60 | | | 0.48 | | | | | |
| 8 | 26.11-27.11.24 | 55.80 | 22.30 | 6.30 | 29.40 | | | 0.64 | | | | | |
| 9 | 29.11-30.11.24 | 51.30 | 25.80 | | 22.20 | | | 0.62 | | | | | |
| 10 | 02.12-03.12.24 | 42.50 | 24.10 | 6.90 | 25.80 | | | 0.55 | | | | | |
| 11 | 05.12-06.12.24 | 62.40 | 40.30 | 6.60 | 37.30 | | | 0.71 | | | | | |
| 12 | 08.12-09.12.24 | 58.30 | 28.20 | 7.20 | 31.50 | | | 0.52 | | | | | |
| 13 | 11.12-12.12.24 | 61.70 | 38.60 | | 37.40 | | | 0.36 | | | | | |
| 14 | 14.12-15.12.24 | 64.30 | 30.40 | | 30.80 | | | 0.38 | | | | | |
| 15 | 17.12-18.12.24 | 72.20 | 40.90 | 6.50 | 40.30 | | | 0.47 | | | | | |
| 16 | 20.12-21.12.24 | 66.30 | 37.20 | | 31.10 | | | 0.41 | | | | | |
| AVERAGE | | 66.99 | 37.95 | 8.31 | 30.05 | 22.50 | BDL | 0.55 | <20.0 | BDL | BDL | BDL | 7.2 |



| Limit as per CPCB | 100 | 60 | 80 | 80 | 180 | 1 | 2 | 400 | 5 | 1 | 6 | 20 |
|-------------------|-----|----|----|----|-----|---|---|-----|---|---|---|----|
|-------------------|-----|----|----|----|-----|---|---|-----|---|---|---|----|

TABLE-E
AMBIENT AIR QUALITY RESULTS
MONITORING STATION:- KUMARCHAK

| SL. | DATE | Pollutant's Concentration | | | | | | | | | | | |
|-------------------|----------------|---------------------------------------|--|--------------------------------------|--------------------------------------|---|-----------------------------------|-------------------------|--|--|--|--------------------------------------|-------------------------------------|
| | | PM ₁₀ µg/m ³ | PM _{2.5} µg/m ³ | SO ₂ µg/m ³ | NO ₂ µg/m ³ | Ozone (O ₃) µg/m ³ | Lead (Pb) µg/m ³ | CO mg/m ³ | Ammonia (NH ₃) µg/m ³ | Benzene (C ₆ H ₆) µg/m ³ | Benzo(a)Pyrene (BaP) ng/m ³ | Arsenic (As) ng/m ³ | Nickel (Ni) ng/m ³ |
| 1 | 05.11-06.11.24 | 86.20 | 48.30 | 8.40 | 41.30 | 31.50 | 0.02 | 0.53 | 31.60 | BDL | BDL | BDL | BDL |
| 2 | 08.11-09.11.24 | 65.50 | 35.50 | 8.50 | 38.50 | | | 0.56 | | | | | |
| 3 | 11.11-12.11.24 | 71.20 | 40.20 | 9.90 | 41.20 | | | 0.62 | | | | | |
| 4 | 14.11-15.11.24 | 80.20 | 43.20 | 8.50 | 35.50 | | | 0.25 | | | | | |
| 5 | 17.11-18.11.24 | 68.90 | 34.20 | 9.50 | 39.30 | | | 0.65 | | | | | |
| 6 | 20.11-21.11.24 | 75.80 | 41.20 | 7.80 | 34.20 | | | 0.87 | | | | | |
| 7 | 23.11-24.11.24 | 64.50 | 34.50 | 8.20 | 26.60 | | | 0.45 | | | | | |
| 8 | 26.11-27.11.24 | 75.20 | 32.80 | 6.90 | 43.20 | | | 0.69 | | | | | |
| 9 | 29.11-30.11.24 | 89.10 | 54.30 | | 38.60 | | | 0.84 | | | | | |
| 10 | 02.12-03.12.24 | 93.40 | 58.50 | 8.40 | 52.70 | | | 0.70 | | | | | |
| 11 | 05.12-06.12.24 | 78.60 | 40.60 | 7.20 | 41.10 | | | 0.94 | | | | | |
| 12 | 08.12-09.12.24 | 66.50 | 30.40 | 6.30 | 32.90 | | | 0.51 | | | | | |
| 13 | 11.12-12.12.24 | 74.00 | 41.00 | 7.50 | 24.30 | | | 0.62 | | | | | |
| 14 | 14.12-15.12.24 | 59.30 | 27.90 | 6.80 | 34.60 | | | 0.73 | | | | | |
| 15 | 17.12-18.12.24 | 51.20 | 27.30 | | 31.30 | | | 0.58 | | | | | |
| 16 | 20.12-21.12.24 | 84.20 | 47.80 | 6.90 | 44.90 | | | 0.78 | | | | | |
| AVERAGE | | 73.99 | 39.86 | 7.91 | 37.51 | 31.5 | 0.02 | 0.65 | 31.6 | BDL | BDL | BDL | BDL |
| Limit as per CPCB | | 100 | 60 | 80 | 80 | 180 | 1 | 2 | 400 | 5 | 1 | 6 | 20 |



TABLE-F
AMBIENT AIR QUALITY RESULTS
MONITORING STATION:- JHIKURKHALI

| SL. | DATE | Pollutant's Concentration | | | | | | | | | | | |
|-------------------|----------------|---------------------------------------|--|--------------------------------------|--------------------------------------|---|-----------------------------------|-------------|--|--|--|--------------------------------------|-------------------------------------|
| | | PM ₁₀ μg/m ³ | PM _{2.5} μg/m ³ | SO ₂ μg/m ³ | NO ₂ μg/m ³ | Ozone (O ₃) μg/m ³ | Lead (Pb) μg/m ³ | CO mg/m3 | Ammonia (NH ₃) μg/m ³ | Benzene (C ₆ H ₆) μg/m ³ | Benzo(a)Pyrene (BaP) ng/m ³ | Arsenic (As) ng/m ³ | Nickel (Ni) ng/m ³ |
| 1 | 05.11-06.11.24 | 81.50 | 46.30 | 7.80 | 35.40 | 28.20 | BDL | 0.41 | 24.20 | BDL | BDL | BDL | 6.80 |
| 2 | 08.11-09.11.24 | 87.50 | 45.10 | 8.50 | 46.60 | | | 0.89 | | | | | |
| 3 | 11.11-12.11.24 | 98.50 | 56.60 | 10.80 | 41.20 | | | 1.02 | | | | | |
| 4 | 14.11-15.11.24 | 92.20 | 51.20 | 10.20 | 38.50 | | | 0.94 | | | | | |
| 5 | 17.11-18.11.24 | 67.50 | 34.50 | 8.50 | 29.60 | | | 1.15 | | | | | |
| 6 | 20.11-21.11.24 | 97.10 | 58.50 | 11.20 | 42.20 | | | 0.97 | | | | | |
| 7 | 23.11-24.11.24 | 88.60 | 45.50 | 9.60 | 38.50 | | | 0.86 | | | | | |
| 8 | 26.11-27.11.24 | 55.70 | 29.30 | 6.60 | 40.20 | | | 0.32 | | | | | |
| 9 | 29.11-30.11.24 | 68.30 | 40.70 | 7.10 | 32.60 | | | 0.43 | | | | | |
| 10 | 02.12-03.12.24 | 69.60 | 36.90 | 6.40 | 28.90 | | | 0.36 | | | | | |
| 11 | 05.12-06.12.24 | 79.10 | 32.40 | 6.90 | 35.80 | | | 0.51 | | | | | |
| 12 | 08.12-09.12.24 | 72.40 | 44.70 | 7.10 | 46.70 | | | 0.59 | | | | | |
| 13 | 11.12-12.12.24 | 75.90 | 35.10 | 6.30 | 39.30 | | | 0.45 | | | | | |
| 14 | 14.12-15.12.24 | 82.60 | 41.80 | 6.80 | 34.30 | | | 0.62 | | | | | |
| 15 | 17.12-18.12.24 | 61.30 | 26.60 | 7.50 | 45.80 | | | 0.52 | | | | | |
| 16 | 20.12-21.12.24 | 70.40 | 37.30 | 6.70 | 41.10 | | | 0.38 | | | | | |
| AVERAGE | | 78.01 | 41.41 | 8.00 | 38.54 | 28.20 | BDL | 0.65 | 24.20 | BDL | BDL | BDL | 6.80 |
| Limit as per CPCB | | 100 | 60 | 80 | 80 | 180 | 1 | 2 | 400 | 5 | 1 | 6 | 20 |



Annexure - 16.

MCPI PVT. LTD.
CAAQMS DATA
DAILY AVERAGE
MONTH- OCTOBER-2024

| DATE | Parameter | | | | | | | | |
|------------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|----------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 | TEMP degreC |
| 10/1/2024 | 29.59 | 11.7 | 16.73 | 0.7 | 21.22 | 15.1 | 14.7 | 0.59 | 32 |
| 10/2/2024 | 31.94 | 10.7 | 11.93 | 0.6 | 26.38 | 14.1 | 15.1 | 0.41 | 28.63 |
| 10/3/2024 | 44.69 | 14.1 | 11.94 | 0.6 | 22.36 | 14.1 | 15 | 0.66 | 29.6 |
| 10/4/2024 | 23.71 | 10.7 | 11.19 | 0.53 | 20.25 | 14.9 | 15.1 | 0.48 | 27.62 |
| 10/5/2024 | 22.98 | 7.9 | 11.56 | 0.63 | 21.49 | 15.8 | 15.2 | 0.54 | 27.46 |
| 10/6/2024 | 19.37 | 6.4 | 12.25 | 0.62 | 20.75 | 16.7 | 15.1 | 0.49 | 28.47 |
| 10/7/2024 | 15.65 | 8.3 | 11.01 | 0.47 | 18.29 | 17.3 | 14.9 | 0.56 | 29.26 |
| 10/8/2024 | 12.76 | 3.1 | 12.38 | 0.52 | 18.07 | 17.8 | 15.2 | 0.58 | 29.28 |
| 10/9/2024 | 14.55 | 5.2 | 12.38 | 0.63 | 19.96 | 15.6 | 15.3 | 0.68 | 29.23 |
| 10/10/2024 | 12.53 | 4.3 | 12.72 | 0.55 | 19.3 | 14.9 | 15.2 | 0.96 | 29.58 |
| 10/11/2024 | 10.53 | 3.2 | 12.61 | 0.59 | 15.6 | 15.5 | 15.1 | 1.11 | 29.94 |
| 10/12/2024 | 11.41 | 4.4 | 12.52 | 0.52 | 16.38 | 16.2 | 14.7 | 0.8 | 29.76 |
| 10/13/2024 | 23.81 | 6.4 | 11.74 | 0.58 | 20.89 | 16.3 | 14.9 | 0.42 | 29.56 |
| 10/14/2024 | 38.09 | 13.4 | 13.83 | 0.51 | 19.24 | 18.1 | 15 | 0.41 | 30.24 |
| 10/15/2024 | 53.21 | 20.8 | 13.58 | 0.58 | 28.44 | 14.3 | 15 | 0.41 | 30.08 |
| 10/16/2024 | 42.09 | 15.5 | 12.27 | 0.57 | 24.28 | 15.6 | 15 | 0.52 | 28.96 |
| 10/17/2024 | 29.38 | 11.6 | 13.13 | 0.44 | 20.13 | 14.8 | 15.1 | 0.63 | 29.81 |
| 10/18/2024 | 16.5 | 4.4 | 13.51 | 0.59 | 20.27 | 15.9 | 15.2 | 0.83 | 29.45 |
| 10/19/2024 | 17.05 | 5.6 | 11.12 | 0.6 | 23.3 | 16.8 | 15.2 | 0.59 | 28.05 |
| 10/20/2024 | 36.39 | 14.5 | 11.84 | 0.49 | 22.69 | 15.7 | 15.3 | 0.8 | 28.54 |
| 10/21/2024 | 49.8 | 18.4 | 11.84 | 0.56 | 22.96 | 15.8 | 15.2 | 0.61 | 28.29 |
| 10/22/2024 | 36.09 | 13.3 | 13.06 | 0.59 | 21.55 | 17.5 | 15.3 | 0.51 | 28.47 |
| 10/23/2024 | 27.26 | 10.8 | 13.34 | 0.55 | 21.88 | 16.5 | 15.2 | 1.53 | 26.99 |
| 10/24/2024 | 19.24 | 6.3 | 13.63 | 0.58 | 22.51 | 15 | 15.4 | 3 | 25.99 |
| 10/25/2024 | 18.69 | 8.2 | 13.25 | 0.58 | 27.44 | 14 | 15.3 | 1.62 | 26.34 |
| 10/26/2024 | 19.96 | 7.2 | 10.64 | 0.59 | 17.76 | 15.9 | 15.2 | 1.45 | 27.95 |
| 10/27/2024 | 25.36 | 9.9 | 11.76 | 0.44 | 21.43 | 16.6 | 15.3 | 0.8 | 28.05 |
| 10/28/2024 | 21.82 | 9.2 | 12.22 | 0.56 | 23.53 | 15.8 | 15.3 | 0.51 | 28.73 |
| 10/29/2024 | 23.68 | 8 | 11.49 | 0.5 | 23.1 | 17.2 | 15.4 | 0.45 | 28.45 |
| 10/30/2024 | 19 | 5.2 | 12.47 | 0.56 | 19.54 | 17.7 | 15.5 | 0.62 | 28.9 |
| 10/31/2024 | 19.48 | 5.3 | 12.87 | 0.53 | 22.8 | 14 | 15.4 | 0.77 | 28.72 |
| Minimum | 10.53 | 3.1 | 10.64 | 0.44 | 15.6 | 14 | 14.7 | 0.41 | 25.99 |
| Maximum | 53.21 | 20.8 | 16.73 | 0.7 | 28.44 | 18.1 | 15.5 | 3 | 32 |
| Average | 25.37 | 9.2 | 12.48 | 0.56 | 21.41 | 15.9 | 15.2 | 0.79 | 28.79 |



MCPI PVT. LTD.
CAAQMS DATA
DAILY AVERAGE
MONTH- NOVEMBER-2024

| DATE | Parameter | | | | | | | |
|------------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 |
| 11/1/2024 | 47.24 | 14.8 | 13.13 | 0.51 | 32.18 | 12.9 | 15.4 | 0.36 |
| 11/2/2024 | 63.83 | 22.6 | 14.12 | 0.55 | 32.67 | 12.7 | 15.5 | 0.37 |
| 11/3/2024 | 63.02 | 19.2 | 16.79 | 0.56 | 28.97 | 16.4 | 15.5 | 0.38 |
| 11/4/2024 | 60.28 | 20 | 14.67 | 0.57 | 27.52 | 18.3 | 15.6 | 0.3 |
| 11/5/2024 | 56.87 | 19.8 | 13.51 | 0.53 | 28.49 | 15.7 | 15.6 | 0.49 |
| 11/6/2024 | 29.62 | 11.9 | 13.36 | 0.5 | 28.33 | 15.9 | 14.4 | 0.76 |
| 11/7/2024 | 39.26 | 13.2 | 14.38 | 0.51 | 25.3 | 16.7 | 12.3 | 1.04 |
| 11/8/2024 | 41.27 | 14.1 | 15.34 | 0.51 | 26.29 | 16.5 | 12.4 | 1.08 |
| 11/9/2024 | 35.6 | 11.1 | 20.44 | | 39.41 | 17.3 | 12.5 | 1.07 |
| 11/10/2024 | 39.83 | 11.7 | 13.12 | 0.52 | 40.67 | 21.5 | 12.5 | 1.38 |
| 11/11/2024 | 38.15 | 12.5 | 16.31 | 0.49 | 39.39 | 16.5 | 12.4 | 1.48 |
| 11/12/2024 | 45.05 | 13.2 | 17.65 | 0.49 | 38.43 | 15.3 | 12.3 | 1.35 |
| 11/13/2024 | 54.74 | 15.2 | 15.16 | 0.51 | 34 | 13.8 | 12.4 | 1.32 |
| 11/14/2024 | 83.05 | 24.8 | 15.09 | 0.5 | 34.1 | 13.6 | 13.3 | 1.3 |
| 11/15/2024 | 76.49 | 21.2 | 16.12 | 0.51 | 32.39 | 13.1 | 12.3 | 1.1 |
| 11/16/2024 | 77.06 | 20.7 | 16.52 | 0.51 | 35.85 | 12.3 | 12.3 | 1.31 |
| 11/17/2024 | 87.52 | 25.1 | 18.01 | 0.51 | 40.06 | 11 | 12.6 | 1.08 |
| 11/18/2024 | 76.35 | 22.5 | 15.54 | 0.51 | 37.87 | 11.9 | 12.9 | 1.19 |
| 11/19/2024 | 84.19 | 23.3 | 16.27 | 0.51 | 45.75 | 10.2 | 12.6 | 1.09 |
| 11/20/2024 | 87.36 | 26.1 | 16.12 | 0.51 | 37.61 | 11.7 | 12.5 | 1.06 |
| 11/21/2024 | 74.36 | 19.5 | 15.61 | 0.5 | 34.76 | 12.2 | 12.4 | 1.18 |
| 11/22/2024 | 84.97 | 25.3 | 14.43 | 0.5 | 33.74 | 12.9 | 12.3 | 1.24 |
| 11/23/2024 | 81.95 | 26.3 | 14.88 | 0.51 | 37.77 | 11.9 | 12.3 | 1.12 |
| 11/24/2024 | 85.53 | 24.2 | 15.88 | 0.5 | 36.03 | 12.9 | 12.4 | 1.12 |
| 11/25/2024 | 98.68 | 25.5 | 15.79 | 0.5 | 35.06 | 11.9 | 12.4 | 1.12 |
| 11/26/2024 | 102.41 | 31.7 | 17.8 | 0.5 | 40.96 | 11.6 | 12.4 | 1.18 |
| 11/27/2024 | 93.16 | 23.8 | 14.87 | 0.51 | 35.16 | 12.8 | 13.2 | 1.23 |
| 11/28/2024 | 85.66 | 17.2 | 15.63 | 0.5 | 33.77 | 13.6 | 12.2 | 1.51 |
| 11/29/2024 | 223.86 | 20.3 | 14.38 | 0.51 | 36.82 | 11.4 | 12.2 | 1.32 |
| 11/30/2024 | 103.03 | 15.3 | 23.92 | 0.51 | 29.27 | 13.5 | 12.4 | 1.6 |
| Minimum | 29.62 | 11.1 | 13.12 | 0.49 | 25.3 | 10.2 | 12.2 | 0.3 |
| Maximum | 223.86 | 31.7 | 23.92 | 0.57 | 45.75 | 21.5 | 15.6 | 1.6 |
| Average | 74.01 | 19.7 | 15.83 | 0.51 | 34.62 | 13.9 | 13.1 | 1.07 |



MCPI PVT. LTD.
CAAQMS DATA
DAILY AVERAGE
MONTH- MARCH-2025

| DATE | Parameter | | | | | | | |
|-----------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 |
| 3/1/2025 | 62.94 | 29.7 | 12.87 | 0.51 | 25.14 | 19.5 | 17 | 2.39 |
| 3/2/2025 | 51.83 | 26.9 | 14.09 | 0.51 | 26.74 | 20.4 | 13.9 | 2.22 |
| 3/3/2025 | 56.76 | 26.3 | 12.19 | 0.5 | 24.68 | 25.4 | 20.2 | 1.75 |
| 3/4/2025 | 62.91 | 24.5 | 14.39 | 0.5 | 27.73 | 25.1 | 17.9 | 1.56 |
| 3/5/2025 | 108.13 | 27.7 | 12.89 | 0.5 | 30.62 | 21.7 | 12.3 | 1.39 |
| 3/6/2025 | 98.56 | 26.3 | 12.93 | 0.51 | 33.19 | 22.3 | 11.7 | 1.83 |
| 3/7/2025 | 94.72 | 31.7 | 16.26 | 0.5 | 41.11 | 18.6 | 12.5 | 1.46 |
| 3/8/2025 | 74.22 | 26.4 | 14.63 | 0.51 | 26.32 | 21.6 | 13.5 | 2.03 |
| 3/9/2025 | 50.69 | 25 | 13.39 | 0.51 | 21.8 | 22.6 | 14.4 | 1.77 |
| 3/10/2025 | 64.66 | 27.4 | 12.86 | 0.5 | 25.63 | 23.6 | 15.2 | 1.52 |
| 3/11/2025 | 57.07 | 25 | 14 | 0.5 | 23.58 | 22.6 | 14.3 | 1.89 |
| 3/12/2025 | 54.37 | 25.8 | 13.45 | 0.51 | 23.99 | 20.2 | 16.7 | 2.29 |
| 3/13/2025 | 40.28 | 21.8 | 14.03 | 0.51 | 17.92 | 20.3 | 13.2 | 2.71 |
| 3/14/2025 | 34.75 | 20.9 | 14.28 | 0.51 | 17.58 | 20.8 | 12.5 | 2.57 |
| 3/15/2025 | 34.88 | 21 | 13.12 | 0.51 | 19.12 | 22.4 | 12.8 | 2.12 |
| 3/16/2025 | 39.03 | 16.8 | 12.59 | 0.51 | 17.26 | 21.5 | 12.9 | 2.6 |
| 3/17/2025 | 42.67 | 20.5 | 12.64 | 0.5 | 17.25 | 23.7 | 12.3 | 1.72 |
| 3/18/2025 | 45.19 | 21.5 | 13.41 | 0.5 | 20.37 | 26.7 | 12.5 | 1.59 |
| 3/19/2025 | 52.3 | 26 | 12.84 | 0.49 | 16.69 | 26 | 12.9 | 1.68 |
| 3/20/2025 | 28.86 | 18.8 | 12.24 | 0.5 | 15.7 | 24.3 | 12.6 | 2.03 |
| 3/21/2025 | 48.03 | 24.8 | 13.61 | 0.5 | 18.68 | 25.5 | 13.7 | 1.82 |
| 3/22/2025 | 30.64 | 17.4 | 11.41 | 0.5 | 17.87 | 25.4 | 14 | 1.86 |
| 3/23/2025 | 39.14 | 21 | 14.03 | 0.51 | 17.1 | 28 | 16.4 | 1.36 |
| 3/24/2025 | 54.77 | 27.3 | 14.46 | 0.51 | 15.92 | 28.9 | 15.2 | 1.27 |
| 3/25/2025 | 55.58 | 24.4 | 13.31 | 0.51 | 16.46 | 26.6 | 13.8 | 1.54 |
| 3/26/2025 | 43.97 | 22.9 | 13.55 | 0.52 | 14.46 | 21.7 | 13 | 2.1 |
| 3/27/2025 | 45.83 | 23.8 | 12.86 | 0.5 | 10.48 | 20.1 | 13.2 | 1.26 |
| 3/28/2025 | 59.75 | 29.1 | 14.12 | 0.49 | 14.73 | 22.2 | 13.4 | 1.22 |
| 3/29/2025 | 70.73 | 27.4 | 13.84 | 0.49 | 15.03 | 26.5 | 14.1 | 1.09 |
| 3/30/2025 | 51.43 | 25 | 13.21 | 0.5 | 14.35 | 26.2 | 16.2 | 1.17 |
| 3/31/2025 | 44.69 | 24.5 | 13.25 | 0.49 | 13.21 | 21.5 | 17.5 | 1.72 |
| | | | | | | | | |
| Minimum | 28.86 | 16.8 | 11.41 | 0.49 | 10.48 | 18.6 | 11.7 | 1.09 |
| Maximum | 108.13 | 31.7 | 16.26 | 0.52 | 41.11 | 28.9 | 20.2 | 2.71 |
| Average | 54.82 | 24.4 | 13.44 | 0.5 | 20.67 | 23.3 | 14.3 | 1.79 |



MCPI PVT. LTD.
CAAQMS DATA
DAILY AVERAGE
MONTH- JANUARY-2025

| DATE | Parameter | | | | | | | |
|-----------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 |
| 1/1/2025 | 79.32 | 15.6 | 12.02 | 0.51 | 31.95 | 12.3 | 12.2 | 1.62 |
| 1/2/2025 | 75.56 | 17.1 | 14.38 | 0.51 | 32.49 | 12.1 | 12.2 | 1.82 |
| 1/3/2025 | 99.69 | 21.5 | 15.84 | 0.51 | 34.58 | 11.7 | 12.9 | 1.42 |
| 1/4/2025 | maint | 32.6 | maint | maint | 59.22 | 16.5 | maint | 1.17 |
| 1/5/2025 | maint | 27.6 | maint | maint | 75.42 | 22.8 | maint | 1.28 |
| 1/6/2025 | maint | 24 | maint | maint | 58.54 | 17.2 | maint | 1.2 |
| 1/7/2025 | 66.09 | 17.2 | 13 | 0.53 | 36.37 | 16.2 | 13.3 | 1.22 |
| 1/8/2025 | 61.81 | 20 | 13.67 | 0.49 | 34.4 | 17.3 | 12.9 | 2.11 |
| 1/9/2025 | 61.24 | 18.5 | 15.14 | 0.5 | 34.76 | 15 | 14.4 | 1.74 |
| 1/10/2025 | 91.27 | 26.5 | 15.26 | 0.5 | 48.89 | 9.8 | 12.7 | 1.33 |
| 1/11/2025 | 97.03 | 24.9 | 14.57 | 0.5 | 41.65 | 11.6 | 12.6 | 1.33 |
| 1/12/2025 | 80.08 | 23.6 | 15.62 | 0.5 | 42.73 | 11 | 13.4 | 1.13 |
| 1/13/2025 | 109.39 | 26 | 17.72 | 0.5 | 49.53 | 8.5 | 15.8 | 1.11 |
| 1/14/2025 | 91.68 | 33.8 | 15.14 | 0.5 | 41.89 | 11.5 | 15.9 | 1.55 |
| 1/15/2025 | 75.83 | 28.6 | 14.04 | 0.51 | 38.67 | 11.8 | 23.4 | 1.56 |
| 1/16/2025 | 83.37 | 23.1 | 15.95 | 0.51 | 41.26 | 11.1 | 22.9 | 1.58 |
| 1/17/2025 | 82.1 | 22.6 | 15.45 | 0.51 | 41.6 | 11 | 22.8 | 1.54 |
| 1/18/2025 | 73.92 | 25.4 | 16.97 | 0.51 | 43.25 | 10.2 | 30.6 | 1.47 |
| 1/19/2025 | 81.33 | 25.1 | 15.71 | 0.51 | 46.97 | 9.2 | 31.8 | 1.52 |
| 1/20/2025 | 89.33 | 24.4 | 16.29 | 0.51 | 48.08 | 8.5 | 27.5 | 1.13 |
| 1/21/2025 | 60.96 | 21.9 | 15.29 | 0.52 | 41.57 | 10.8 | 21.3 | 1.4 |
| 1/22/2025 | 77.87 | 21.1 | 16.13 | 0.51 | 47.13 | 8.5 | 20.5 | 1.12 |
| 1/23/2025 | 62.23 | 23 | 13.77 | 0.51 | 38.15 | 11.3 | 19.4 | 1.16 |
| 1/24/2025 | 81.74 | 30.2 | 14.22 | 0.52 | 33.11 | 14.1 | 17 | 1.23 |
| 1/25/2025 | 86.57 | 31 | 15.03 | 0.52 | 37.37 | 13.3 | 12.4 | 1.43 |
| 1/26/2025 | 80.98 | 26.1 | 15.07 | 0.5 | 40.61 | 12 | 12.4 | 1.68 |
| 1/27/2025 | 74.59 | 22.4 | 15.71 | 0.51 | 41.58 | 12.1 | 13.5 | 1.32 |
| 1/28/2025 | 61.22 | 23.3 | 14.86 | 0.51 | 40.73 | 12.4 | 16.3 | 1.34 |
| 1/29/2025 | 201.16 | 17.8 | 13.15 | 0.53 | 27.06 | 15.9 | 18.9 | 1.47 |
| 1/30/2025 | 81.2 | 16.3 | 12.95 | 0.51 | 22.59 | 16.6 | 18.5 | 2.19 |
| 1/31/2025 | 41.63 | 16.5 | 13.56 | 0.51 | 23.93 | 15.7 | 17.5 | 2.04 |
| | | | | | | | | |
| Minimum | 41.63 | 15.6 | 12.02 | 0.49 | 22.59 | 8.5 | 12.2 | 1.11 |
| Maximum | 201.16 | 33.8 | 17.72 | 0.53 | 75.42 | 22.8 | 31.8 | 2.19 |
| Average | 82.47 | 23.5 | 14.88 | 0.51 | 41.16 | 12.8 | 17.7 | 1.46 |



MCPI PVT. LTD.
CAAQMS DATA
DAILY AVERAGE
MONTH- FEBRUARY-2025

| DATE | Parameter | | | | | | | |
|-----------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 |
| 2/1/2025 | 33.91 | 11.9 | 14.31 | 0.51 | 22.8 | 17.2 | 18.1 | 1.69 |
| 2/2/2025 | 51.12 | 16.3 | 14.85 | 0.52 | 25.4 | 18.1 | 18.5 | 1.37 |
| 2/3/2025 | 61.76 | 19.4 | 12.16 | 0.51 | 30.58 | 16.7 | 14.6 | 1.51 |
| 2/4/2025 | 63.4 | 20.6 | 14.95 | 0.5 | 38.26 | 13.6 | 11.7 | 1.28 |
| 2/5/2025 | 68.26 | 19.8 | 13.4 | 0.51 | 35.26 | 14.2 | 12 | 1.37 |
| 2/6/2025 | 55.96 | 17.9 | 14.29 | 0.52 | 29.97 | 16.6 | 13.7 | 1.61 |
| 2/7/2025 | 85.83 | 37 | 16.54 | 0.51 | 45.32 | 13.1 | 12.2 | 1.61 |
| 2/8/2025 | 82.56 | 36.2 | 17.04 | 0.51 | 41.84 | 13.8 | 12 | 1.63 |
| 2/9/2025 | 94.13 | 40.8 | 18.21 | 0.51 | 47.64 | 11.5 | 12.1 | 1.19 |
| 2/10/2025 | 90.06 | 39 | 15.12 | 0.51 | 33.06 | 15.6 | 13.2 | 1.65 |
| 2/11/2025 | 63.04 | 31.2 | 15.28 | 0.5 | 28.99 | 15.5 | 12.8 | 2.22 |
| 2/12/2025 | 50.93 | 26.4 | 11.93 | 0.51 | 25.79 | 16.9 | 13.4 | 1.84 |
| 2/13/2025 | 76.58 | 31.7 | 14.7 | 0.51 | 32.24 | 17 | 12.1 | 1.31 |
| 2/14/2025 | 97.92 | 33.7 | 14.81 | 0.5 | 36.72 | 15.9 | 12.2 | 1.64 |
| 2/15/2025 | 77.54 | 30.1 | 16.01 | 0.5 | 37.17 | 15.7 | 12.7 | 1.32 |
| 2/16/2025 | 65.68 | 30.9 | 14.26 | 0.51 | 29.28 | 17.1 | 12.9 | 1.8 |
| 2/17/2025 | 46.22 | 25.9 | 13.84 | 0.51 | 23.64 | 17.9 | 12.3 | 2.08 |
| 2/18/2025 | 36.9 | 22.3 | 12.82 | 0.5 | 24.06 | 18.3 | 12.2 | 1.84 |
| 2/19/2025 | 43.64 | 38.2 | 13.52 | 0.5 | 26.4 | 18.8 | 12.8 | 1.56 |
| 2/20/2025 | 30.92 | 14.3 | 12.4 | 0.5 | 25.32 | 19.1 | 12.1 | 1.74 |
| 2/21/2025 | 78.99 | 25.6 | 14.25 | 0.51 | 36.39 | 16.7 | 12.2 | 1.65 |
| 2/22/2025 | 35.78 | 23.2 | 13.03 | 0.5 | 28.43 | 20.3 | 12.1 | 1.61 |
| 2/23/2025 | 45.99 | 23.9 | 12.55 | 0.5 | 30.43 | 20.7 | 12.4 | 1.39 |
| 2/24/2025 | 73.41 | 35.2 | 14.45 | 0.51 | 34.44 | 19.8 | 12.4 | 1.53 |
| 2/25/2025 | 87.83 | 40.7 | 14.73 | 0.5 | 34.39 | 18.9 | 12.4 | 1.47 |
| 2/26/2025 | 90.8 | 40.6 | 13.43 | 0.5 | 31.98 | 19.4 | 12.3 | 1.47 |
| 2/27/2025 | 84.39 | 36.4 | 14.42 | 0.5 | 32.27 | 18.8 | 12.7 | 1.52 |
| 2/28/2025 | 56.61 | 29.6 | 13.67 | 0.51 | 28.04 | 20 | 12.4 | 1.97 |
| Minimum | 30.92 | 11.9 | 11.93 | 0.5 | 22.8 | 11.5 | 11.7 | 1.19 |
| Maximum | 97.92 | 40.8 | 18.21 | 0.52 | 47.64 | 20.7 | 18.5 | 2.22 |
| Average | 65.36 | 28.5 | 14.32 | 0.51 | 32 | 17 | 12.9 | 1.6 |



MCPI PVT. LTD.

CAAQMS DATA

DAILY AVERAGE

MONTH- DECEMBER-2024

| DATE | Parameter | | | | | | | |
|------------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 |
| 12/1/2024 | 295.95 | 10.9 | 15.4 | 0.5 | 26.97 | 14.4 | 12.4 | 1.5 |
| 12/2/2024 | 86.17 | 15.4 | 13.98 | 0.5 | 28.18 | 13.2 | 12.3 | 1.43 |
| 12/3/2024 | 85.11 | 23.2 | 16.67 | 0.51 | 36.65 | 10.8 | 12.9 | 1.22 |
| 12/4/2024 | 96.08 | 24 | 15.14 | 0.51 | 41.88 | 10.1 | 13.2 | 1.23 |
| 12/5/2024 | 92.16 | 22.1 | 16.2 | 0.5 | 50.46 | 10.1 | 12.2 | 1.04 |
| 12/6/2024 | 221.79 | 15.9 | 17.57 | 0.51 | 36.3 | 12.4 | 12.4 | 1.17 |
| 12/7/2024 | Fault | 18.8 | 19.27 | 0.5 | 41.26 | 10.9 | 12.9 | 1.1 |
| 12/8/2024 | Fault | 18.8 | 17.98 | 0.51 | 33.99 | 12.6 | 12.6 | 1.26 |
| 12/9/2024 | Fault | 20.2 | 16.56 | 0.51 | 32.24 | 12.9 | 13 | 1.22 |
| 12/10/2024 | 97.3 | 19.6 | 18.25 | 0.51 | 30.4 | 13.1 | 12.8 | 1.44 |
| 12/11/2024 | 90.51 | 19.8 | 16.28 | 0.5 | 37.9 | 11.6 | 13.9 | 1.46 |
| 12/12/2024 | 155.4 | 23.1 | 15.95 | 0.51 | 39.55 | 11.1 | 12.2 | 1.23 |
| 12/13/2024 | 55.88 | 22.4 | 27.58 | 0.5 | 40.26 | 11.7 | 12.4 | 1.35 |
| 12/14/2024 | 98.33 | 24 | 31 | 0.51 | 39.26 | 12.7 | 12.6 | 1.74 |
| 12/15/2024 | 292.85 | 17.5 | 13.45 | 0.5 | 38.84 | 12.5 | 13.1 | 1.44 |
| 12/16/2024 | 0 | 21.2 | 16.58 | 0.51 | 44.25 | 11.6 | 12.2 | 1.14 |
| 12/17/2024 | 0 | 18.8 | 15.79 | 0.5 | 46.88 | 12 | 12.7 | 1.1 |
| 12/18/2024 | 0 | 18.5 | 26.45 | 0.5 | 38.03 | 14 | 16.9 | 1.28 |
| 12/19/2024 | 0 | 17.3 | 26.5 | 0.5 | 45.81 | 11.2 | 13 | 1.36 |
| 12/20/2024 | 0 | 17.5 | 13.78 | 0.5 | 48.13 | 11 | 12.2 | 1.35 |
| 12/21/2024 | 0 | 19.8 | 14.74 | 0.51 | 29.32 | 14.2 | 12.2 | 1.21 |
| 12/22/2024 | 0 | 11.1 | 12.25 | 0.5 | 29.45 | 15.5 | 12.2 | 1.41 |
| 12/23/2024 | 0 | 20.4 | 12.99 | 0.51 | 36.69 | 14.8 | 12.2 | 1.46 |
| 12/24/2024 | 22.5 | 23 | 14.45 | 0.5 | 54.41 | 10.8 | 12.2 | 1.23 |
| 12/25/2024 | 80.1 | 24 | 15.64 | 0.5 | 39.95 | 12.7 | 12.2 | 1 |
| 12/26/2024 | 73.62 | 20 | 15.85 | 0.5 | 37.26 | 14.4 | 12.2 | 1.46 |
| 12/27/2024 | 77.55 | 20.4 | 14.38 | 0.5 | 43.47 | 12.8 | 12.2 | 1.31 |
| 12/28/2024 | 81.65 | 21.5 | 15.7 | 0.5 | 43.95 | 12.9 | 12.1 | 1.08 |
| 12/29/2024 | 89.86 | 21.3 | 15.78 | 0.51 | 45.37 | 12.4 | 12.1 | 1.08 |
| 12/30/2024 | 90.6 | 17.5 | 12.78 | 0.5 | 34.8 | 14.4 | 12.7 | 1.37 |
| 12/31/2024 | 65 | 14.2 | 13.57 | 0.51 | 31.71 | 13.3 | 19.8 | 1.73 |
| Minimum | 0 | 10.9 | 12.25 | 0.5 | 26.97 | 10.1 | 12.1 | 1 |
| Maximum | 295.95 | 24 | 31 | 0.51 | 54.41 | 15.5 | 19.8 | 1.74 |
| Average | 80.3 | 19.4 | 17.05 | 0.5 | 38.83 | 12.5 | 12.9 | 1.3 |



MCPI PVT. LTD.
CAAQMS DATA
DAILY AVERAGE
MONTH- APRIL-2025

| DATE | Parameter | | | | | | | |
|-----------|---------------|---------------|------------|-------------|--------------|--------------|--------------|------------------|
| | PM10 ug/m3 | PM25 ug/m3 | SO2 ppb | CO mg/m3 | NO2 ug/m3 | NH3 ug/m3 | OZONE ppb | BENZENE ug/m3 |
| 4/1/2025 | 43.17 | 23.2 | 13.05 | 0.5 | 13.96 | 20.6 | 19 | 2.34 |
| 4/2/2025 | 31.84 | 18.3 | 13.08 | 0.5 | 13.3 | 21.3 | 17.7 | 2.21 |
| 4/3/2025 | 31.22 | 19.7 | 13.65 | 0.52 | 15.39 | 21.8 | 15.6 | 1.76 |
| 4/4/2025 | 43.48 | 21.9 | 13.39 | 0.5 | 16.38 | 22.9 | 16 | 1.37 |
| 4/5/2025 | 47.92 | 23.4 | 12.97 | 0.51 | 17.7 | 23.3 | 15.3 | 1.89 |
| 4/6/2025 | 31.5 | 20.4 | 13.67 | 0.51 | 15.93 | 22.1 | 16.1 | 2.47 |
| 4/7/2025 | 21.59 | 14.5 | 12.02 | 0.52 | 14.07 | 24.3 | 17.8 | 1.92 |
| 4/8/2025 | 20.62 | 14.6 | 14.1 | 0.53 | 15.21 | 24.5 | 18.3 | 1.9 |
| 4/9/2025 | 20.13 | 13.2 | 12.04 | 0.53 | 15.45 | 22.8 | 14.5 | 2.12 |
| 4/10/2025 | 23.76 | 13.7 | 11.65 | 0.5 | 16.13 | 22.4 | 15.7 | 2.39 |
| 4/11/2025 | 35.16 | 14.2 | 12.42 | 0.52 | 16.72 | 26.9 | 15.1 | 1.47 |
| 4/12/2025 | 19.05 | 15 | 12.74 | 0.54 | 15.83 | 24.4 | 13.3 | 2.38 |
| 4/13/2025 | 42.33 | 21.4 | 14.82 | 0.52 | 20.13 | 24.1 | 17.6 | 1.46 |
| 4/14/2025 | 41.98 | 21.6 | 14.48 | 0.5 | 17.49 | 25.9 | 18.5 | 1.46 |
| 4/15/2025 | 43.35 | 24.2 | 13.81 | 0.51 | 19.27 | 25.1 | 16.3 | 1.43 |
| 4/16/2025 | 35.43 | 19.2 | 17.42 | 0.83 | 20.83 | 21.3 | 17.2 | 1.85 |
| 4/17/2025 | 41.39 | 22.9 | 9.55 | 1.29 | 22.58 | 8.4 | 18.6 | 2.56 |
| 4/18/2025 | 27.9 | 18.9 | 12.14 | 1.37 | 28.28 | 5.5 | 15.7 | 1.8 |
| 4/19/2025 | 34.31 | 17 | 12.45 | 0.97 | 27.74 | 2.6 | 13.1 | 1.57 |
| 4/20/2025 | 37.33 | 18.3 | 12.25 | 0.31 | 20.79 | 3.6 | 12.1 | 2.53 |
| 4/21/2025 | 36.87 | 15.4 | 12.94 | 0.34 | 20.66 | 4.1 | 12.4 | 2.67 |
| 4/22/2025 | 42.54 | 18.8 | 12.31 | 0.63 | 21.14 | 4.3 | 12.1 | 3.12 |
| 4/23/2025 | 43.82 | 19.3 | 11.82 | 0.71 | 23.04 | 3.5 | 11.6 | 3.17 |
| 4/24/2025 | 38.25 | 17.2 | 12.43 | 0.57 | 20.01 | 3.8 | 11.4 | 2.97 |
| 4/25/2025 | 30.28 | 16 | 12.75 | 0.69 | 19.62 | 3.6 | 11.5 | 2.97 |
| 4/26/2025 | 33.09 | 16 | 13.4 | 0.54 | 20.31 | 4.2 | 12.1 | 3.34 |
| 4/27/2025 | 36.51 | 17.6 | 13.87 | 0.96 | 30.33 | 1.3 | 15 | 1.59 |
| 4/28/2025 | 38.11 | 18.4 | 12.63 | 0.64 | 28.16 | 1.6 | 13.7 | 1.83 |
| 4/29/2025 | 26.32 | 16.4 | 14.51 | 2.33 | 32.09 | 1 | 16.6 | 1.42 |
| 4/30/2025 | 43.86 | 16.5 | 13.93 | 0.36 | 31.5 | 1.9 | 13.2 | 1.08 |
| Minimum | 19.05 | 13.2 | 9.55 | 0.31 | 13.3 | 1 | 11.4 | 1.08 |
| Maximum | 47.92 | 24.2 | 17.42 | 2.33 | 32.09 | 26.9 | 19 | 3.34 |
| Average | 34.77 | 18.2 | 13.08 | 0.68 | 20.33 | 14.1 | 15.1 | 2.1 |



Annexure-IIc

WORK ZONE MONITORING REPORT OF DP PLANT

| WORK ZONE MONITORING REPORT OF DP PLANT | | | | | | | | |
|---|-------------------|---------------------------------------|------------------------------|-----------------|-----------------|----------------------------------|-----------------------------|-------------|
| No. | Department / Area | Locations/ Activity | Date of sampling | Parameters | No. of samples | Results in (mg/m ³) | TWA in (mg/m ³) | |
| 1 | DP Utility | Water Treatment plant | 28.12.2024 | Chlorine | 3 | 0.82 | 3 | |
| | | | | Sulphuric acid | 3 | ND | 1 | |
| | | | | Carbon Monoxide | 3 | 0.2961 | 55 | |
| | | | | Carbon Dioxide | 3 | 10.41 | No Limit | |
| | | | | VOC as Benzene | 3 | ND | 20 | |
| | | | | VOC as Toluene | 3 | ND | 375 | |
| 2 | | Waste Water Treatment plant, DP Plant | 28.12.2024 | Ammonia | 3 | 6.07 | 18 | |
| | | | | Carbon Monoxide | 3 | 0.3172 | 55 | |
| | | | | Carbon Dioxide | 3 | 11.16 | No Limit | |
| | | | | VOC as Benzene | 3 | ND | 20 | |
| | | | | VOC as Toluene | 3 | ND | 375 | |
| | | | | 3 | Residue Pit | 06.01.2025 | Ammonia | 3 |
| Carbon Monoxide | | 3 | 0.3012 | | | | 55 | |
| Carbon Dioxide | | 3 | 10.73 | | | | No Limit | |
| Hydrogen Sulphide | | 3 | 3.28 | | | | 14 | |
| VOC as Benzene | | 3 | ND | | | | 20 | |
| VOC as Toluene | | 3 | ND | | | | 375 | |
| 4 | | Process (CTA) | Main Reactor Bottom | 07.01.2025 | Methyl acetate | 3 | ND | No Limit |
| | Acetic Acid | | | | 3 | 2.35 | 25 | |
| | VOC as Benzene | | | | 3 | ND | 20 | |
| | VOC as Toluene | | | | 3 | ND | 375 | |
| | P'xylene | | | | 3 | 15.81 | 435 | |
| | Carbon Dioxide | | | | 3 | 10.54 | No Limit | |
| | 5 | | HBr Charging area(unloading) | 06.01.2025 | Carbon Monoxide | 3 | 0.2922 | 55 |
| | | | | | Carbon Monoxide | 3 | 0.3001 | 55 |
| | | | | | Carbon Dioxide | 3 | 10.46 | No Limit |
| | | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | | 6 | Belt filter 13 mtr (During mtc.) | 07.01.2025 | Acetic Acid |
| VOC as Benzene | 3 | | ND | 20 | | | | |
| VOC as Toluene | 3 | | ND | 375 | | | | |
| Carbon Monoxide | 3 | | 0.2836 | 55 | | | | |
| Carbon Dioxide | 3 | | 10.59 | No Limit | | | | |
| p'Xylene | 3 | | 4.65 | 435 | | | | |
| 7 | Process (CTA) | | Main Reactor Top | 08.01.2025 | Methyl acetate | 3 | ND | No Limit |
| | | Acetic Acid | | | 3 | 1.96 | 25 | |
| | | VOC as Benzene | | | 3 | ND | 20 | |
| | | VOC as Toluene | | | 3 | ND | 375 | |
| | | P'xylene | | | 3 | 32.56 | 435 | |
| | | Carbon Dioxide | | | 3 | 11.16 | No Limit | |
| | | Carbon Monoxide | | | 3 | 0.2861 | 55 | |



WORK ZONE MONITORING REPORT OF DP PLANT

| No. | Department / Area | Locations/ Activity | Date of sampling | Parameters | No. of samples | Results in(mg/m ³) | TWA in (mg/m ³) |
|-----------------|-------------------|----------------------------|------------------|-----------------|-----------------|--------------------------------|-----------------------------|
| 8 | Process (PTA) | Recovery Section | 08.01.2025 | Acetic acid | 3 | 1.23 | 25 |
| | | | | Carbon Monoxide | 3 | 0.279 | 55 |
| | | | | Carbon Dioxide | 3 | 10.32 | No Limit |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | P'Xylene | 3 | 9.78 | 435 |
| 9 | DP Logistic | Tank Farm area near F-4904 | 10.01.2025 | p'Xylene | 3 | ND | 435 |
| | | | | Acetic Acid | 3 | ND | 25 |
| | | | | Carbon Dioxide | 3 | 10.31 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.28 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| 10 | | Tank Farm area near F-4901 | 10.01.2025 | p'Xylene | 3 | ND | 435 |
| | | | | Acetic Acid | 3 | ND | 25 |
| | | | | Carbon Dioxide | 3 | 11.56 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2876 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| 11 | DP Logistic | Packing area -1 | 31.12.2024 | SPM | 3 | 0.552 | 10 |
| | | | | RPM | 3 | 0.0986 | 5 |
| | | | | Carbon Dioxide | 3 | 10.48 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2861 | 55 |
| 12 | | Packing area -2 | 02.01.2025 | SPM | 3 | 1.379 | 10 |
| | | | | RPM | 3 | 0.631 | 5 |
| | | | | Carbon Dioxide | 3 | 11.01 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2972 | 55 |
| 13 | | Bulk Silo F-6955 | 31.12.2024 | RPM | 3 | 0.329 | 5 |
| | | | | Carbon Dioxide | 3 | 10.85 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2852 | 55 |
| | | | | 14 | PWH 90 deg side | 03.01.2025 | RPM |
| Carbon Monoxide | | 3 | 0.2899 | | | | 55 |
| Carbon Dioxide | | 3 | 10.5 | | | | No Limit |
| 15 | | PWH 180 deg side | 04.01.2025 | | | | RPM |
| | | | | Carbon Monoxide | 3 | 0.2847 | 55 |
| | Carbon Dioxide | | | 3 | 10.36 | No Limit | |



WORK ZONE MONITORING REPORT OF HP PLANT

| No. | Department / Area | Locations/ Activity | Date of sampling | Parameters | No. of samples | Results in (mg/m ³) | TWA in (mg/m ³) |
|-----|-------------------|-----------------------------|------------------|-------------------|----------------|---------------------------------|-----------------------------|
| 16 | HP Utility | Waste Water Treatment plant | 20.12.2024 | Ammonia | 3 | 0.91 | 18 |
| | | | | Carbon Dioxide | 3 | 10.83 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.276 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| 17 | | Water Treatment plant | 20.12.2024 | Chlorine | 3 | 0.84 | 3 |
| | | | | Sulphuric acid | 3 | 9.26 | 1 |
| | | | | Carbon Dioxide | 3 | 0.2904 | No Limit |
| | | | | Carbon Monoxide | 3 | ND | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| 18 | | Residue Pit Top | 19.12.2024 | VOC as Toluene | 3 | ND | 375 |
| | | | | Hydrogen Sulphide | 3 | 0.41 | 14 |
| | | | | Ammonia | 3 | 5.44 | 18 |
| | | | | Carbon Dioxide | 3 | 9.58 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2812 | 55 |
| 19 | | Residue Pit Bottom | 19.12.2024 | VOC as Benzene | 3 | ND | 20 |
| | | | | Hydrogen Sulphide | 3 | 0.36 | 14 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | Hydrogen Sulphide | 3 | 0.28 | 14 |
| | | | | Ammonia | 3 | 2.57 | 18 |
| 20 | | Main Reactor top | 24.12.2024 | Carbon Dioxide | 3 | 9.45 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2905 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | Xylene (P-isomer) | 3 | 62.83 | 435 |
| 21 | | Main Reactor bottom | 23.12.2024 | Acetic acid | 3 | 3.25 | 25 |
| | | | | Carbon Dioxide | 3 | 11.15 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2804 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| 22 | | CTA Decenter 5 mtr | 21.12.2024 | Methyl Acetate | 3 | ND | No Limit |
| | | | | Xylene (P-isomer) | 3 | 56.97 | 435 |
| | | | | Acetic acid | 3 | 3.86 | 25 |
| | | | | Carbon Dioxide | 3 | 11.13 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2834 | 55 |
| 22 | HP Proceass(CTA) | CTA Decenter 5 mtr | 21.12.2024 | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | Methyl Acetate | 3 | ND | No Limit |
| | | | | Xylene (P-isomer) | 3 | 51.53 | 435 |
| | | | | Acetic acid | 3 | 2.25 | 25 |



| | | | | | | | |
|----|------------------|---------------------|------------|-------------------|---|--------|----------|
| 23 | | CTA Decenter 13 mtr | 23.12.2024 | Xylene (P-isomer) | 3 | 41.8 | 435 |
| | | | | Acetic acid | 3 | 2.36 | 25 |
| | | | | Carbon Dioxide | 3 | 10.86 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2814 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | Methyl Acetate | 3 | ND | No Limit |
| 24 | | CTA Decenter 20 mtr | 21.12.2024 | Xylene (P-isomer) | 3 | 56.61 | 435 |
| | | | | Acetic acid | 3 | 2.57 | 25 |
| | | | | Carbon Dioxide | 3 | 10.44 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2745 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | Methyl Acetate | 3 | ND | No Limit |
| 25 | HP Process (PTA) | Recovery Section | 24.12.2024 | Acetic Acid | 3 | 2.16 | 25 |
| | | | | Carbon Dioxide | 3 | 11.12 | No Limit |
| | | | | Carbon Monoxide | 3 | 0.2931 | 55 |
| | | | | VOC as Benzene | 3 | ND | 20 |
| | | | | VOC as Toluene | 3 | ND | 375 |
| | | | | P'Xylene | 3 | 39.39 | 435 |
| 26 | HP Logistics | Packing area-1 | 26.12.2024 | RPM | 3 | 0.812 | 5 |
| | | | | SPM, | 3 | 1.505 | 10 |
| | | | | CO2 | 3 | 11.18 | No Limit |
| | | | | CO | 3 | 0.2875 | 55 |
| 27 | | Packing area-2 | 12.01.2024 | RPM | 3 | 0.569 | 5 |
| | | | | SPM, | 3 | 1.414 | 10 |
| | | | | CO2 | 3 | 10.84 | No Limit |
| | | | | CO | 3 | 0.2852 | 55 |



LEAK DETECTION AND REPAIR PROGRAMME



Report on Leak Detection And Repair (LDAR)

SAMPLING LOCATION



MCPI Private Limited

**Bhuniaraichak (Vill. & P.O.), Via: Sutahata (Haldia),
Purba Medinipur, West Bengal-721 635, India**

**DP Plant -Sampling Duration
(02-01-2025 to 09-01-2025)**

CONDUCTED BY



M/s Bureau Veritas (India) Pvt. Ltd., Chennai

**# F2, Thiru Vi Ka Industrial Estate, Phase III,
Ekkattuthangal, Guindy, Chennai - 600 032**



LEAK DETECTION AND REPAIR PROGRAMME



Report on Leak Detection And Repair (LDAR)

SAMPLING LOCATION



MCPI Private Limited

**Bhuniaraichak (Vill. & P.O.), Via: Sutahata (Haldia),
Purba Medinipur, West Bengal-721 635, India**

**HP Plant -Sampling Duration
(16-12-2024 to 31-12-2024)**

CONDUCTED BY



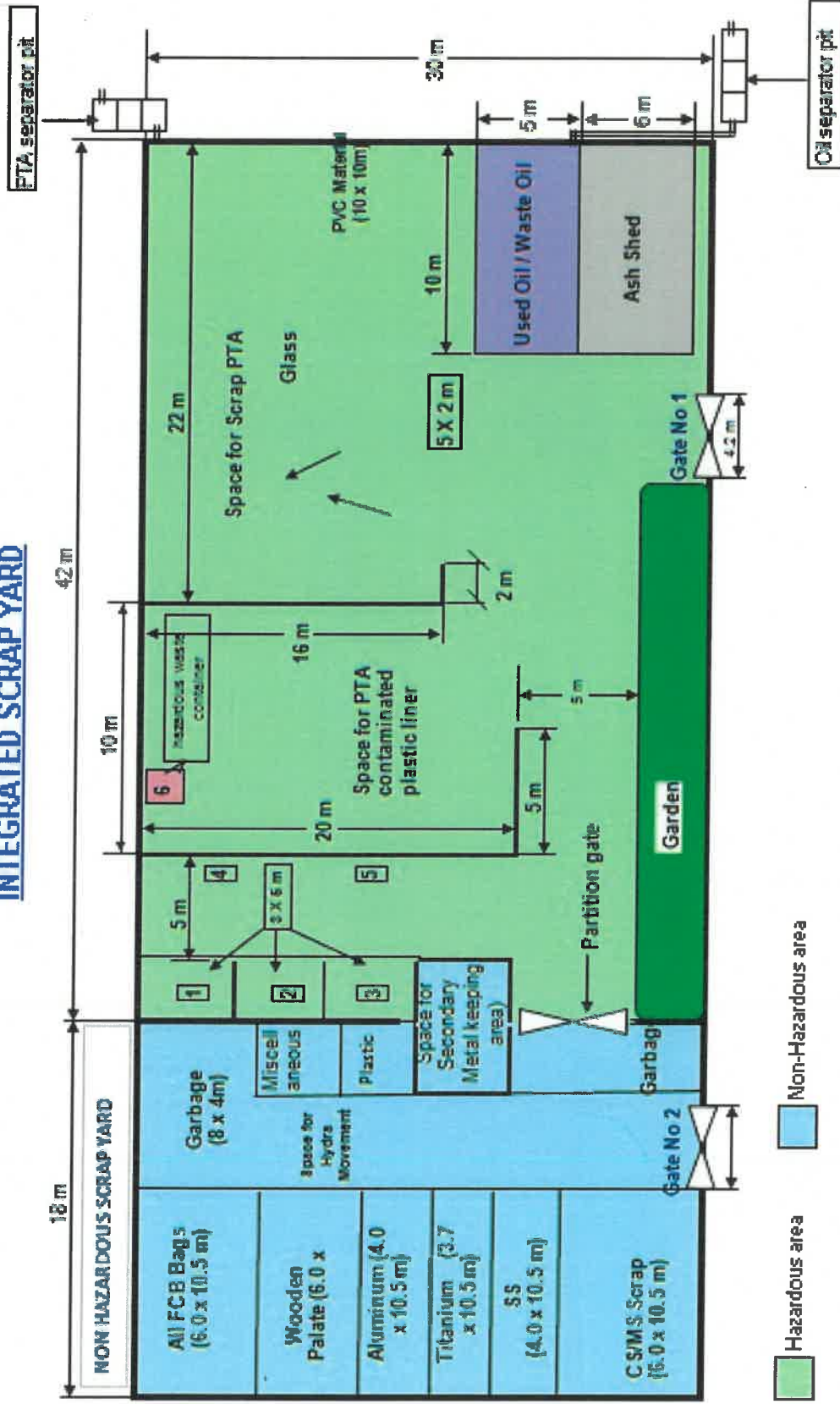
M/s Bureau Veritas (India) Pvt. Ltd., Chennai
F2, Thiru Vi Ka Industrial Estate, Phase III,
Ekkattuthangal, Guindy, Chennai - 600 032



Discharge Effluent Quality Result October'2024 ~March'2025

| Parameter | Unit | Permissible Limit | Oct'24 | | Nov'24 | | | Dec'24 | |
|----------------------------|--------|-------------------|-----------|-------|--------|-----------|-------|-----------|-------|
| | | | 3rd Party | MCPI | WBPCB | 3rd Party | MCPI | 3rd Party | MCPI |
| pH | | 6.5-8.5 | 7.87 | 8.10 | | 7.96 | 8.20 | 8.06 | 8.40 |
| COD | mg/Lit | 250.00 | 72.00 | 78.00 | 63.00 | 64.00 | 74.00 | 56.00 | 96.00 |
| BOD | " | 30.00 | 18.0 | 15.00 | 11.00 | 15.0 | 15.00 | 16.0 | 20.00 |
| O & G | " | 10.00 | 5.00 | 2.90 | | 5.00 | 5.00 | 5.00 | 5.00 |
| Flouride (F) | " | 2.00 | 0.51 | 0.77 | | 0.54 | 0.69 | BDL | 1.32 |
| Hexavalent Chromium (Cr+6) | " | 0.10 | BDL | 0.02 | | BDL | 0.01 | BDL | 0.01 |
| Iron (Fe) | " | 3.00 | BDL | 0.37 | | 0.25 | 0.29 | 0.28 | 0.42 |
| Total Chromium (Cr) | " | 2.00 | BDL | <0.01 | | BDL | <0.01 | BDL | <0.01 |
| Manganese (Mn) | " | 2.00 | 0.18 | 0.520 | | 0.41 | 0.560 | 0.59 | 0.590 |
| TSS | " | 100.00 | 19.00 | 9.00 | | 28.00 | 9.00 | 12.00 | 12.00 |
| Cyanide (CN) | " | 0.20 | BDL | <0.01 | | BDL | <0.01 | BDL | <0.01 |
| Phenolic Compound | " | 1.00 | BDL | <0.01 | | BDL | <0.01 | BDL | <0.01 |
| Sulfide | " | 2.00 | BDL | <0.1 | | BDL | <0.1 | BDL | <0.1 |
| | | | Jan'25 | | Feb'25 | | | March'25 | |
| Parameter | Unit | Permissible Limit | 3rd Party | MCPI | WBPCB | 3rd Party | MCPI | 3rd Party | MCPI |
| pH | | 6.5-8.5 | 8.91 | 8.10 | | 8.21 | 8.20 | 7.65 | 8.40 |
| COD | mg/Lit | 250.00 | 52.00 | 81.00 | 55.60 | 56 | 83.00 | 60.00 | 90.00 |
| BOD | " | 30.00 | 13.0 | 16.00 | 8.30 | 14.7 | 17.00 | 16.00 | 19.00 |
| O & G | " | 10.00 | 5.00 | 3.20 | | 10 | 2.70 | 5 | 3.00 |
| Flouride (F) | " | 2.00 | BDL | 0.95 | | 0.2 | 0.93 | 0.240 | 0.58 |
| Hexavalent Chromium (Cr+6) | " | 0.10 | BDL | 0.01 | | BDL | <0.01 | BDL | 0.02 |
| Iron (Fe) | " | 3.00 | 0.24 | 0.50 | | BDL | 0.60 | BDL | 0.26 |
| Total Chromium (Cr) | " | 2.00 | BDL | <0.01 | | BDL | <0.01 | BDL | <0.01 |
| Manganese (Mn) | " | 2.00 | 0.50 | 0.680 | | 0.63 | 0.670 | 0.36 | 0.470 |
| TSS | " | 100.00 | 5.00 | 9.00 | | 12.10 | 6.00 | BDL | 9.00 |
| Cyanide (CN) | " | 0.20 | BDL | <0.01 | | BDL | <0.01 | BDL | <0.01 |
| Phenolic Compound | " | 1.00 | BDL | <0.01 | | BDL | <0.01 | BDL | <0.01 |
| Sulfide | " | 2.00 | BDL | <0.1 | | BDL | <0.1 | BDL | <0.1 |



INTEGRATED SCRAP YARD

- | | |
|---|---|
| 4 | Space for Rejected water treatment resin |
| 5 | Space for undeclared hazardous wastes |
| 6 | Allotted for oil & chemical soaked cotton waste |

- | | |
|---|--|
| 1 | Space for Lead Acid Battery |
| 2 | Space for asbestos cloth & CAF gasket |
| 3 | Space for Empty paint & dye penetration containers |



HAZARDOUS WASTE DISPOSED TO TSDF AND CO PROCESSING
(West Bengal Waste Management Limited – WBWML and OCL India Limited
(Dalmia Cement Unit) - OCL)
DURING OCTOBER'24 to MARCH'25

| Sl. No. | Hazardous Waste | Generated quantity (Ton) |
|---------|---|--------------------------|
| 1 | Ash from De-Sox | 0.00 |
| 2 | Scrap PTA | 0.00 |
| 3 | Empty PTA contaminated plastic liners | 0.00 |
| 4 | Empty paint & Dye penetration container | 45.15 |
| 5** | Oil & Chemical-soaked cotton waste | 1.021 |
| 6 | Water treatment Resin | 0.00 |
| 7** | Mixture of Process & Utility Sludge | 6258.59 |
| 8* | Used Oil | 27.72 |
| 9* | Waste Oil | 29.384 |
| 10 | Asbestos | 0.00 |

* Disposed through registered recycler & re-processor of WBPCB

** Disposed through Co-processing by OCL & through WBWML



Annexure - VI



Ref. No: WBPCB/07/24/1292

Dated: 23.07.2024

Dr. Kalyan Rudra,
Chairman,
West Bengal Pollution Control Board,
Paribesh Bhavan 10A, Block-LA, Sector III, Salt Lake
Kolkata – 700 106

Sub: MCPI's Celebration's on World Environment Day, 5th June 2024

Dear Sir,

I am glad to inform you that, like every year this year we have also celebrated World Environment Day on 5th June 2024 by organizing various programs throughout the day. Our celebration included awareness programs for Plant employees and residents of our residential Complex as well as our surrounding community in Haldia.

Also 2700 Local Tree plantations will be done in the MCPI green belt, and it will be completed within August-2024.

We have conducted various awareness programs and plantation drives at residential complexes and plant green belts. World Environment Day-2024 celebration detail with photographs is attached herewith for your kind perusal.

This is for your kind information and record.

Thanking You.

Yours faithfully,
For **MCPI Private Limited**

A handwritten signature in blue ink, appearing to read 'A.C. Mishra', is written over a circular blue stamp.

A.C. Mishra
Plant Head

Enclosed : As stated above.

CC:

1. **Environmental Engineer & In-Charge**, WBPCB, Haldia Regional Office, Raghunathchak, PO – Barghasipur, PS- Bhabanipur, District - Purba Medinipur, Pin: 721657.
2. **The IGF& In charge**, GOI, MoEF&CC, Integrated Regional Office, Kolkata, IB – 198, Sector-III, Salt Lake City, Kolkata – 700106.
3. **In-charge**, CPCB, Eastern Zonal Office, 02'SOUTHEND CONCLAVE' 1582, Rajdanga Main Road, Kolkata – 700 107.





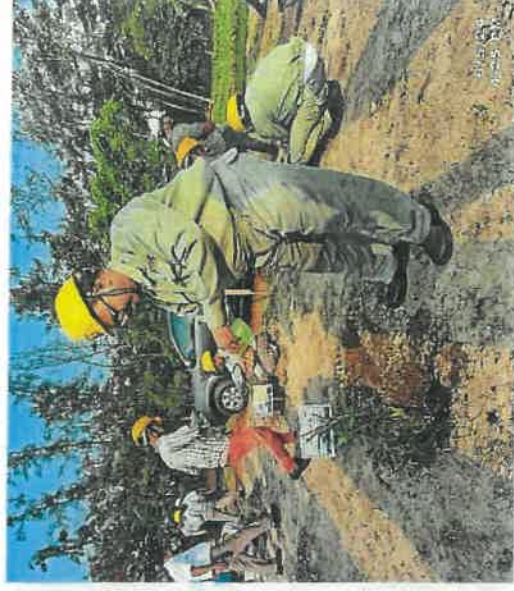
Details of World Environment Day Celebrations, 2024 in MCPI

1. 100 Tree Plantation in MCPI Residential Complexes Shataku-1, under the leadership of Plant Head, All the residents participated in this plantation program.
2. 50 Tree Plantation in MCPI Residential Complexes Shataku-2, under the leadership of Plant Head, All the residents participated in this plantation program.
3. Conducted drawing competition Total 84 students participated and winner's prize distributed by Plant Head.
4. Conducted inter department environmental quiz competition total 11 no's team participated and winner's prize distributed by Plant Head.
5. Quiz programs for Students & Housewife organized at both colonies and maximum participation from the students and family members.
6. Campaigning on Environmental Awareness nearby School: Environment pictures, WED-2024 Theme, messages, and Environmental awareness lectures by our plant head and other senior members of MCPI.
7. A special Spot Quiz on Environment was conducted at different departments in MCPI, around 150 employees and workers participated in this spot quiz.
8. Distribution of 100 saplings nearby MCPI Alichack School Students.
9. 200 Tree plantation in our Company Green belt by MCPI employees on 5th June'24
10. Chairman, Dr. Himadri Sekhar Debnath, West Bengal Biodiversity Board visited our plant on 6th June 2024. During the visit, Dr. Debnath planted a tree in our green belt as part of WED-2024.
11. In-charge, Haldia Regional office, WBPCB, Mr. Sisir Mondal attended our World Environment Day celebration, and he planted a tree on this occasion.
12. Top management is committed for plantation of around 3000 plants per year in company green belt to improve the Environment.





- World Environment Day celebrated at Shataku-1, Shataku-2 and plant on 5th & 6th June . Different awareness activities and plantation done.
- Environmental Day Poster Competition:
 - Total Submissions: 84Nos:



World Environment Day Activities - 2024



@ Shataku-1

6/5/24
8:07 AM



@ Green belt MCPI

6/5/24
4:05 PM



World Environment Day Activities - 2024



Inter-Department Quiz Program

04/06/2024 14:55



1st Position - QA/QI

04/06/2024 15:25

2nd Position - TDD & Project

3rd Position - Fire



Skit by HR Security

04/06/2024 18:59



Skit by Samsaptak (External)

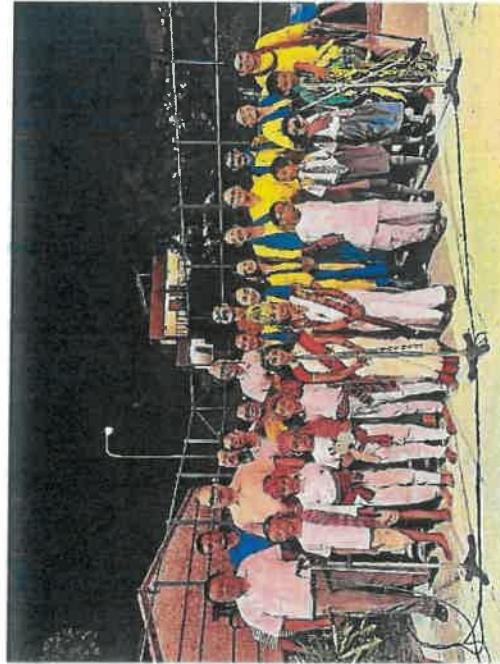
World Environment Day Activities - 2024



@ Shataku -2
WED Celebration
- Plantation
- QUIZ
- SKIT
- Prize distribution



World Environment Day Activities - 2024





Our team (Mr. Dibyendu Kundu & Mr. Prasenjit Pal –QI dept.) attended IOC Inter Industry Environmental Quiz and bagged **3rd position**.

- In-charge, Haldia Regional office, WBPCB, Mr. Sisir Mondal attended our World Environment Day celebration, and he planted a tree on this occasion.

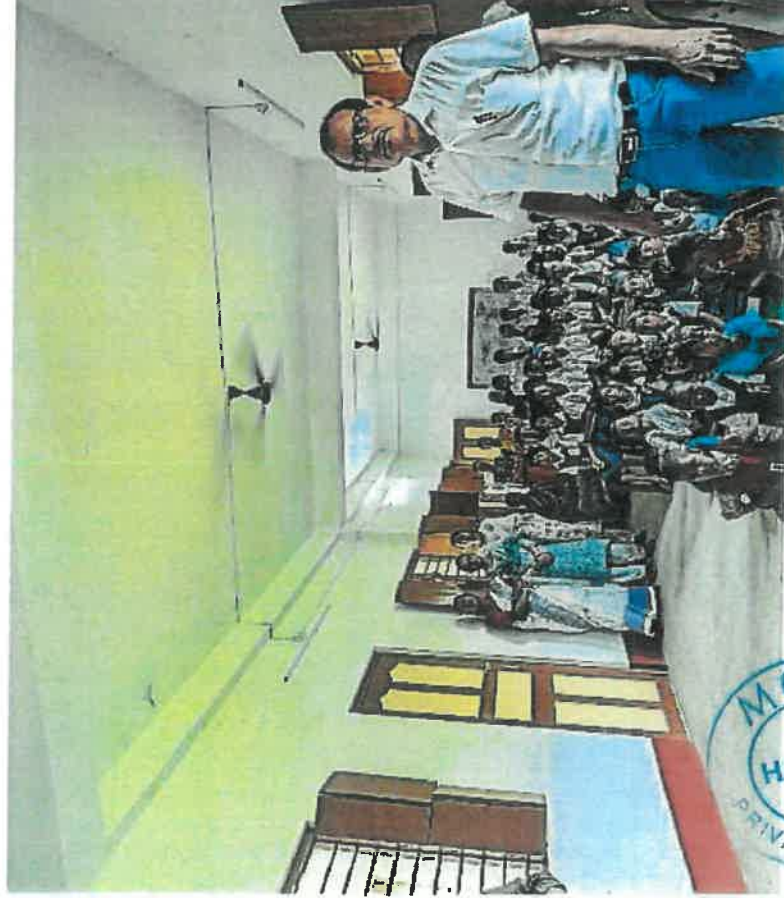


- Chairman, Dr. Himadri Sekhar Debnath, West Bengal Biodiversity Board visited our plant on 6th June 2024, and he visited our green belt and based on this visit he will form a multi expert team for Green Belt Biodiversity Study. During the visit, Dr. Debnath planted a tree in our green belt as part of WED-2024.





- On the occasion of World Environment Day celebrations, an environment awareness program was organized for students at Alichak Primary School on 5th June.



WEST BENGAL WASTE MANAGEMENT LIMITED

(Under Re Sustainability Limited)

Laboratory-(Recognized by MoEF & CC and WBPCB)

Sustainability

Test Report**Report No** : WBWML/25-26/00833.01**Report Issue Date**

: 03/05/2025

SAMPLE REGISTRATION NO: WBWML/25-26/915**Sample Description/Matrix** : Ambient Noise**Sampling Date & Timing** : 22/04/2025**Client Name** : MCPI PRIVATE LIMITED**Sampling Durations** : 24 Hrs**Client Address** : Vill & P.O Bhuniaraichak, Sutahata, Haldia,
Purba Midnapore, West Bengal-721635,India.**Category of the area** : Industrial Area**Customer Reference No** : 7200003640 Dt.31/12/2024**Sample Drawn by** : RESL-WBWML Lab**STANDARDS OF NOISE LEVEL**

As Per CPCB Guidelines

| Area Code | Category of Area | Day dB(A) | Night dB(A) |
|-----------|------------------|-----------|-------------|
| A | Industrial Area | 75 | 70 |
| B | Commercial Area | 65 | 55 |
| C | Residential Area | 55 | 45 |
| D | Silence Zone | 50 | 40 |

Source: The Noise Pollution (Regulation & Control) Rules, 2000

TEST RESULTS

| Sr. No. | Locations | Sample ID | Ambient Noise Level (dBA) – (IS 9989:1981) | | | | | | | |
|---------|---------------------|-------------|---|------|-------|---------------------|--|------|-------|---------------------|
| | | | Day time (06:00 AM – 10:00 PM) (75 dBA) | | | Noise Level std. | Night time (10:00 PM– 06:00 AM) (70 dBA) | | | Noise Level std. |
| | | | Li | | Leq | | Li | | Leq | |
| | | | Max | Min | | | Max | Min | | |
| 1 | West Side of Plant | CS-2504-131 | 62.3 | 54.5 | 59.35 | Qualified | 59.7 | 50.8 | 56.39 | Qualified |
| 2 | East Side of Plant | CS-2504-132 | 62.6 | 54.9 | 60.32 | Qualified | 62.4 | 52.9 | 58.64 | Qualified |
| 3 | Near Main Gate | CS-2504-133 | 65.7 | 56.4 | 61.22 | Qualified | 60.6 | 54.2 | 58.25 | Qualified |
| 4 | South Side of Plant | CS-2504-134 | 66.9 | 58.8 | 64.88 | Qualified | 65.4 | 58.6 | 62.54 | Qualified |
| 5 | North Side of Plant | CS-2504-135 | 61.7 | 45.4 | 55.6 | Qualified | 58.1 | 46.2 | 53.24 | Qualified |

dBA - (A-weighted decibels), Min- Minimum, Max - Maximum, Leq- (Equivalent continuous sound level), Li - (Sound intensity level)

Remarks:

Verified By

Tanmoy Das
Asst. Manager

****End of Report****

Authorized Signatory

Tarun Kumar Middya
Senior Deputy Manager

Page No : 1 of 1

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CIN No. U74140TG1994PLC018833

ISO 9001:2015

ISO 14001:2015

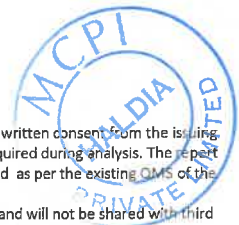
ISO 45001:2018

MoEF & CC Recognized Laboratory
NABL Accredited Laboratory

West Bengal Waste Management Limited

J.L. No.: 103, Mouza: Purba Srikrishnapur, P.S: Sutahata, Haldia, Dist: Purba Midnapore, Pin: 721635

T: (+91)9679999112, www.wbwml.com



TEST REPORT

Name & Address of the Customer :
'MCPI PRIVATE LIMITED'
Haldia ,Purba Mednipur
Pin- 721635, West Bengal, India

Report No. : MSKGL/ED/2024-25/006581
Date : 15.01.2025
Sample No. : MSKGL/ED/2024-25/01/00019-23
Sample Description : Noise Monitoring

Ref No& Dated: 7200003109

ANALYSIS RESULT

| Sl No. | Location | East Side of Plant | West Side of Plant | South Side of Plant | Near Main Gate | North Side of Plant |
|------------------|----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Date Of Sampling | | 26.12.2024 to 27.12.2024 | 26.12.2024 to 27.12.2024 | 26.12.2024 to 27.12.2024 | 30.12.2024 to 31.12.2024 | 30.12.2024 to 31.12.2024 |
| 1. | Leq dB(A) day | 51.9 | 51.5 | 58.8 | 54.3 | 49.0 |
| 2. | Leq dB(A) night | 47.4 | 49.6 | 53.2 | 48.8 | 46.3 |
| 3. | Leq dB(A) Day Max | 54.2 | 54.1 | 62.1 | 57.3 | 52.1 |
| 4. | Leq dB (A) Day Min | 46.1 | 45.2 | 52.1 | 47.5 | 45.1 |
| 5. | Leq dB (A) Night max | 49.0 | 53.0 | 55.0 | 51.1 | 48.2 |
| 6. | Leq dB (A) Night min | 45.2 | 43.7 | 50.5 | 44.4 | 44.3 |

Report Prepared By 

for Mitra S. K. Private Limited

Authorised Signatory



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Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Purba Medinipur Forest Division
Chakkamina, Nimitala, Tamluk, Purba Medinipur
Phone No. 03228-263036, email-dfofpmfd@yahoo.co.in

Memo No. 131 / 13-

Dated Tamluk the 01.02.2018

From : Divisional Forest Officer,
Purba Medinipur Forest Division

To : Mr. Sujit Basu
Vice President - HSE & Quality
MCPI Private Limited.

Sub :- Tree plantation for MCPI Private Limited.


Ref :- Your office Memo No. DFO/12/17/682, Dated- 28.12.2017.

Sir,

In reference to the above mentioned subject, I am submitting herewith the list of plant species, for plantation in the area as stated in your letter.

- | | |
|-----------------------------------|-----------------------------------|
| 1) <i>Ficus bengolensis</i> | 12) <i>Cassia surattensis</i> |
| 2) <i>Ficus religiosa</i> | 13) <i>Cinnamomum camphora</i> |
| 3) <i>Ficus recemosa</i> | 14) <i>Michelia chapensis</i> |
| 4) <i>Bougenvilla spectabilis</i> | 15) <i>Acgla marmelos</i> |
| 5) <i>Ashoka indica</i> | 16) <i>Moringa pterydosperma</i> |
| 6) <i>Alstonia scholaris</i> | 17) <i>Cassia renigera</i> |
| 7) <i>Nerium indicum</i> | 18) <i>Ailanthus excels</i> |
| 8) <i>Mangifera indica</i> | 19) <i>Ricinus communis</i> |
| 9) <i>Azadirachta indica</i> | 20) <i>Hobptelia integrifolia</i> |
| 10) <i>Carica papaya</i> | 21) <i>Syzigium cumini</i> |
| 11) <i>Ilex rounda</i> | 22) <i>Psidium guajava</i> |

This is for your kind information and taking necessary action.


Divisional Forest Officer
Purba Medinipur Forest Division



Environmental Expenditure for the Year 2024-25

Annual Allocation / expenditure of funds for Environmental Safeguards (including capital expenditure) under various heads during **FY 2024 – 2025**

| | |
|---|------------------------------|
| 1. Environmental Monitoring Cost [Rate Contract for Environmental & Process Monitoring Job at MCPI plant] | : Rs.29,00,000 |
| 2. Environmental Awareness Programme [Celebration of World Environment Day & Environment Awareness programs to local School students] | : Rs.12,00,000 |
| 3. Greening Drive Activities [Green Belt Development & Upkeep-ment Cost Beautification (Horticultural) Work (inside plant)] | : Rs.40,00,000 |
| 4. Statutory Fees & Insurance Expenses [Environment Fees for Regulatory Agencies & Premiums for PLI Policies] | : Rs.42,70,000 |
| 5. Hazardous Wastes Disposal Expenses | : Rs.2,70,00,000 |
| 6. Operational & Maintenance Cost of Environment protection system: | |
| 6.1 Yearly Operational cost of WWTP | : Rs.24, 00,000 |
| 6.2 In-House Laboratory Chemical cost for Env. Parameters analysis | : Rs.1, 08,000 |
| 6.3 Installation of Online Stack monitoring system & Maintenance | : Rs.2, 45,000 |
| 6.4 Other Expenses (Calibration, Spares & Consumables) | : Rs.75, 000 |
| 6.5 Water re cycling operation cost | : Rs.1,33,000 |
| 6.6 DeSox Unit Running Cost | : Rs.3,30,00,000 |
| 6.7 ESP Operation cost for CHH | : Rs.15,80,000 |
| 7. Training/Workshop/Seminar/Subscription | : Rs.80, 000 |
| | Total Rs. 7,69,91,000 |

All above-mentioned measures are considered for during the financial year 2024 – 2025 for the abatement of pollution at MCPI plant. Safety expenses with respect to PPE and Occupational Health Expenses are not included.

