



DCW LIMITED

SAHUPURAM

THOOTHUKUDI DISTRICT-628 229

CIN : L24110GJ1939PLC000748 / GST No. 33AAACD0559N1ZN



Website : www.dcwLtd.com

DCW/ ENV/MoEF&CC/EC 2014/ 5407

12th December, 2023.

The Additional Principal Chief Conservator of Forests(C)
Ministry of Environment, Forests & Climate Change,
Integrated Regional Office (SEZ),
1st Floor, Additional Office Block for GPOA,
Shastri Bhawan, Haddows Road,
Nungambakkam,
Chennai 600 006,
Tamil Nadu.

Dear Sir,

Sub : Ministry of Environment, Forests & Climate Change – DCW Limited, Sahupuram – Environmental Clearance for the Expansion of Trichloroethylene, Poly Vinyl Chloride, Captive Power Plant and addition of Chlorinated Poly Vinyl Chloride – Compliance Status and Progress Report – submitted – reg.

Ref : 1. MoEF Lr. F.No. J-11011/523/2010-IA II (I) Dated 24th Feb. 2014.
2. Our letter DCW/ENV/MoEF&CC/EC 2014/7848A dt. 30.09.'14. First Half-yearly compliance report.
3. Our letter DCW / ENV / MoEF&CC / EC 2014 /1619 dt. 10.06.'23 for last updated compliance report and the same with supportive Annexure uploaded through online.

In reference to the above, we enclose herewith the compliance status Half-Yearly Report for the period up to November 2023 as detailed below for your kind perusal.

- Status of Consent under Water & Air Acts issued by TNPCB as Annexure – I.
- Status of Environmental Compliance stipulated by MoEF & CC dt. 24/02/2014.

Thanking you,

Yours faithfully,
For DCW Limited,

(S.SURESH)
VICE PRESIDENT (Mfg.)

Encl: Compliance Status and Progress Report.

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Environmental Compliance Status and Progress Report (six monthly report)

**Expansion of PVC (90,000 MTPA to 150,000 MTPA) by
debottlenecking and
Addition of CPVC (14400 MTPA) in PVC Division
Expansion of Trichloroethylene (7200 MTPA to 15480 MTPA)
Expansion of captive power plant (58.27MW to 108.27 MW
(MoEF Environmental Clearance Letter No. J-11011/523/2010-IA II (I), dated. 24th February, 2014)**

Submitted by



**M/s DCW Limited,
Sahupuram P.O,
Kayalpattinam North Village,
Tiruchendur Taluk, Tuticorin District – 628 229
Tamil Nadu**

June 2023 to November 2023



Compliance for EC Condition as on November 2023

| S. No | EC Condition | Compliance / Action Plan |
|----------------------------|---|---|
| Specific Conditions | | |
| 1 | Compliance to all the environmental conditions stipulated in the environmental clearance letter nos. J-11011/4/97-IA-(II) dated 4th November, 1997 and J-11011/426-2006-IA-II(I) dated 7.6.2007, 22.10.2007, 31.05.2010 and 21.10.2010 shall be satisfactorily implemented. | The earlier compliance status vide Environmental Clearance letter no. J-11011/4/97-IA-(II) dated 4th November, 1997 and J-11011/426-2006-IA-II (I) dated 7.6.2007, 22.10.2007, 31.05.2010 and 21.10.2010, are periodically being submitted. The latest reports submitted vide DCW / ENV / MoEF & CC / EC2007 /23/2268 dt.10.07.2023. |
| 2 | <p>1.The process emissions [(SO₂, NO_x, HC (Methane & Non-methane)] and VCM from various units shall conform to the standards prescribed under the Environment (Protection) Rules, 1986 or norms stipulated by the TNPCB whichever is stringent.</p> <p>2.Continuous on-line stack monitoring shall be carried out. At no time, the emission levels should go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit should be immediately put out of the operation and should not be restarted until the desired efficiency has been achieved. Stack emissions shall be monitored and efficiency of air pollution control device shall be checked regularly.</p> <p>3.The stack monitoring report shall be submitted to the Ministry's Regional Office at Bangalore, CPCB and T.N Pollution Control Board (TNPCB).</p> | <p>1. The source of SO₂ and NO_x are not applicable for the Expansion of PVC and Addition CPVC. A Fluidized Bed Dryer (FBD) along with scrubber is installed in the existing PVC unit for controlling fine dust and the details are as follows: <u>FBD - Scrubber details:</u> Gas rate : 24370 m³/hr Temperature of gas : 60°C Circulating water : 7.3 m³/hr Make up water : 2 to 3 m³/day</p> <p>VCM is handled in closed loop system and hence there will not be any emissions. However online VCM sensors are already installed at 11 vantage locations and the sensor details are as follows: <u>Online VCM Sensor details:</u></p> <ul style="list-style-type: none"> • Principle of measurement: Solid state • Make : IST • Model No. : 4 – 20IQ • Parameter : VCM • Measuring range : 0 – 100 ppm • Aerial measuring coverage : 15 m radius • Minimum detection limit : 0.1 ppm. <p>2. Online stack monitoring system has already installed for the PVC Division and all the APC measures are operated and maintained efficiently and continuously so as to satisfy the AAQ & Emission Standards prescribed.</p> <p>3. Stack monitoring report is periodically submitted to the Ministry's SEZ Regional Office, Chennai, CPCB and TNPCB.</p> |
| 3 | Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry on 16 th September, 2009 and | 1.AAQ monitoring is periodically conducted as per the NAAQ standards and trend analysis is being carried out to improve the ambient air quality. |



Compliance for EC Condition as on November 2023

| S. No | EC Condition | Compliance / Action Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | trend analysis w.r.t. past monitoring results should also be carried out. Adequate measures based on the trend analysis shall be taken to improve the ambient air quality in the project area. | <p>2. We have already installed 6 AAQ monitoring stations as per the predominant wind directions (NE and SW) in consultation with TNPCB.</p> <table border="1"> <thead> <tr> <th>S. No</th> <th>Location</th> <th>Distance (m)</th> <th>Directions</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PVC Watch Tower</td> <td>547</td> <td>S</td> </tr> <tr> <td>2</td> <td>C3 Quarters at Residential colony</td> <td>689</td> <td>WSW</td> </tr> <tr> <td>3</td> <td>TCEP Compressor room</td> <td>545</td> <td>NW</td> </tr> <tr> <td>4</td> <td>TWAD water pump house</td> <td>469</td> <td>N</td> </tr> <tr> <td>5</td> <td>Salt Weigh – bridge</td> <td>909</td> <td>NE</td> </tr> <tr> <td>6</td> <td>A – block watch tower</td> <td>315</td> <td>SE</td> </tr> </tbody> </table> <p>3. Currently, from all the above 6 monitoring stations, the frequency of monitoring is carried out twice/thrice a week, two locations in cross wind directions covering minimum of 104 measurements in a year. At any given point of time minimum of two locations is being monitored on daily basis throughout the year.</p> <p>4. SOP for AAQ monitoring has already been submitted vide First half yearly report, Sep 2014.</p> | S. No | Location | Distance (m) | Directions | 1 | PVC Watch Tower | 547 | S | 2 | C3 Quarters at Residential colony | 689 | WSW | 3 | TCEP Compressor room | 545 | NW | 4 | TWAD water pump house | 469 | N | 5 | Salt Weigh – bridge | 909 | NE | 6 | A – block watch tower | 315 | SE |
| S. No | Location | Distance (m) | Directions | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | PVC Watch Tower | 547 | S | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | C3 Quarters at Residential colony | 689 | WSW | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | TCEP Compressor room | 545 | NW | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | TWAD water pump house | 469 | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Salt Weigh – bridge | 909 | NE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | A – block watch tower | 315 | SE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Electrostatic Precipitator along with adequate stack height shall be provided to coal fired boiler. | The Electrostatic Precipitator is applicable for the Expansion of CPP only which kept on hold and hence not envisaged at present. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | <p>1) Continuous ambient air quality monitoring stations for [(PM₁₀, PM_{2.5}, VCM, NO_x, CO, Cl₂, HC (Methane & Non-methane))] shall be set up in consultation with CPCB/TNPCB.</p> <p>2) Unit shall follow CPCB/MoEF calibration protocol for the calibration of continuous stack monitoring analyzers as well as ambient air quality monitoring analyzers install in all stations.</p> <p>3) Data of stack monitoring and ambient air shall be displayed on website as well as outside the premises at prominent</p> | <p>1. We have installed Continuous ambient air quality monitoring station to monitor PM10, PM2.5, VCM, SO2, NOx, CL2 & Ammonia) in Ambient surrounding the unit and the same has been connected to Care Air Centre, TNPCB from 28.07.2022 onwards.</p> <p>2. We are calibrating the online stack monitoring analyzers following the protocol of CPCB / MoEF.</p> <p>3. The On-line Stack Monitoring has already been connected to the Care Air Centre, TNPCB, Chennai and CPCB, New Delhi. The Ambient air</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Compliance for EC Condition as on November 2023

| S. No | EC Condition | Compliance / Action Plan |
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| | place for public viewing. The company shall upload the results of monitored data on its 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 TNPCB. | and stack monitoring data are already displayed on digital board for the public view in front of the main entrance and the AAQ Monitoring Report is periodically being updated in the website and the consolidated reports for AAQ conducted by the unit for the period of June 2023 to November 2023, Stack Monitoring & ANL conducted by TNPCB Lab during July 2023 is enclosed as Annexure II . It is also submitted that, these reports are being sent to respective Zonal office of CPCB and TNPCB periodically. |
| 6 | <ol style="list-style-type: none"> 1) In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. 2) Adequate dust suppression systems with water spray shall be provided for storage yard, junction houses. 3) Raw material loading and unloading area shall be covered and also provided with water spraying system. 4) Fugitive emission in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records maintained. 5) The emissions shall conform to the limits stipulated by the TNPCB. 6) Monitoring of fugitive emissions shall be carried out as per the guidelines of CPCB by fugitive emission detectors and reports shall be submitted to the Ministry's Regional Office at Bangalore. | <ol style="list-style-type: none"> 1. "Work Zone Monitoring" for dust has been carried out regularly. 2. Water sprinkler system for storage yard in the existing CPP has been provided already. 3. Raw material loading and unloading area of the existing CPP have already been covered and provided with water spraying system. 4. Fugitive emissions are being monitored in the work zone environment of PVC plant. 5. We will ensure the emissions shall conform to the limits stipulated by the TNPCB. 6. Monitoring of fugitive emissions is being carried out as per CPCB guidelines by fugitive emission detectors and the reports for the period June 2023 to November 2023 is attached vide Annexure – II as instructed. |
| 7 | <ol style="list-style-type: none"> 1. Fugitive emissions of HC and VCM from product storage tank yards etc. must be regularly monitored. As proposed, acetylene sensor shall be installed in the generation area. 2. Sensors for detecting HC and VCM leakage should also be provided at strategic locations. Leak Detection and Repair Program shall be implemented to control HC/VOC & VCM emissions. 3. Work zone monitoring shall be carried out near the storage tanks besides monitoring of HC/VOC & VCM, in the works zone. | <ol style="list-style-type: none"> 1. Ten online VCM sensors are already in place. Fugitive emission related to HC is not envisaged. 2. In addition to the eleven VCM sensors installed at PVC plant, a portable gas detectors for VCM (LDAR) has been in place and the details are mentioned below: <ul style="list-style-type: none"> • Sr. No. : ARSA – 0005 • Instrument ID : AB C - 123 • Measuring range : 2000 ppm • Minimum detectable limit : 0.1 ppm • Alarm system @ every 30 ppm • Aerial detectable range (distance) : 30 cm 3. Work Place monitoring is being carried out to monitor VCM near VCM Storage tanks. |
| 8 | 1) Closed handling system shall be | 1. Raw materials viz., Cl ₂ and VCM are already facilitated with closed conduits along with LDAR |



Compliance for EC Condition as on November 2023

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| | <p>provided for chemicals.</p> <p>2) Reflux condenser shall be provided over reactor</p> <p>3) System of leak detection and repair of pump/pipeline based on preventive maintenance.</p> <p>4) The acids shall be taken from storage tanks to reactors through closed pipeline Storage tanks shall be vented through trap receiver and condenser operated on chilled water.</p> <p>5) Cathodic protection shall be provided to the underground solvent storage tanks.</p> | <p>system</p> <p>2. Reflux condenser is not envisaged at present since Trichloroethylene project is kept hold.</p> <p>3. LDAR facility already in place and is being be utilized.</p> <p>4. Condenser operating system is not necessary since no acid handling is envisaged.</p> <p>5. No solvents will be used and hence not applicable.</p> |
| 9 | The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. | Adequate stack height has already been provided for the existing DG sets and housed to mitigate the noise pollution. |
| 10 | Total fresh water requirement from Thamirabarani River after expansion shall not excess 11822 m ³ /day and prior permission shall be obtained from the competent authority. | <p>The total consumption of freshwater from Thamirabarani River will be well within the quantity of 11822 m³/day after implement the future expansion on TCE and CPP is considered.</p> <p>The expansion of TCE and CPP are kept on hold. The total fresh water required after the expansion of PVC and addition of CPVC is about 1744 m³/day is being utilized.</p> |
| 11 | <p>1. Industrial effluent generation shall not exceed 4237 m³/day after expansion.</p> <p>2. Effluent shall be treated in effluent treatment plant and treated water shall be passed through reverse osmosis (RO).</p> <p>3. The RO rejects will be sent to Solar Evaporation Pond for evaporation.</p> <p>4. Water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB.</p> <p>5. Treated effluent will be recycled/reused within in the factory premises.</p> <p>6. Water quality of treated effluent from ETP shall be monitored regularly.</p> | <p>1. Complied. We ensure the effluent generation is well within the consent volume.</p> <p>2. The existing main ETP was already augmented by installing additional Nano and RO systems with clarifier/sludge thickening system. The additional treated wastewater is being reused in the main plant.</p> <p>3. The RO reject is disposed to solar salt evaporation pans to recover salts along with regular salt.</p> <p>4. The quality of the treated effluent will meet the norms prescribed by CPCB/SPCB.</p> <p>5. The treated effluents has been recycled / reused within the factory premises.</p> <p>6. a) Regulated/stipulated parameters are monitored on daily basis in the existing facility and the same will be extended.</p> |



Compliance for EC Condition as on November 2023

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| | 7. Domestic waste water shall be treated in STP. | b) Online pH, TSS & Flow meter have already been installed in the outlet (reject) and the same has been connected to CAC-TNPCB & CPCB. 7. Dedicated STP is already in operation. |
| 12 | As proposed, no effluent shall be discharged outside the factory premises and 'Zero water discharge concept' will be adopted. | Referring to section 11, the waste water is being treated in the RO plant and reused within the plant and the RO rejects are sent to solar salt evaporation pans to recover salts along with regular salt. |
| 13 | Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond. | Dedicated effluent collection lines are already in place and storm water is not mixed at any of the locations. Separate storm water drain with guard pond is already in place for PVC plant. |
| 14 | The project authorities must strictly comply with the rules and regulation with regard to handling and disposal of hazardous Waste (Management, Handling and Trans Boundary Movement) Rules, 2008 wherever applicable. Authorization from the State Pollution Control Board must be obtained for collections/treatment/ storage/disposal of hazardous wastes. | Complied. We strictly comply with the rules and regulation with regard to handling and disposal of Hazardous and Other Waste (Management and Trans Boundary Movement) Rules, 2016. The Valid Hazardous waste authorization for PVC & CPVC has been obtained from TNPCB vides Authorization no. 19HFZ6499545 dated 29/11/2019 having validity for a period up to 28/11/2024. |
| 15 | Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003. Fly ash shall be provided to cement and brick manufacturers for further utilization. | Expansion of CPP is not envisaged at present. Hence, no additional fly ash will be generated. Fly ash generated in the existing CPP is disposed to various fly ash bricks and cement manufacturers. |
| 16 | 1) During transfer of materials, spillages shall be avoided and 2) Garland drains should be constructed to avoid mixing of accidental spillages with domestic waste and storm water drains. | 1.PVC, CPVC products are being handled through closed conveyor systems and hence no spillage of materials is envisaged. 2.Separate storm water drain with guard pond is already in place for existing PVC plant. |
| 17 | The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989. | No additional storage tanks for chemicals are proposed. However, we are already complying with the MSIHC Rules, 1989 as amended as well as the MVA, 1989 at all times in the existing operation. |



Compliance for EC Condition as on November 2023

| S. No | EC Condition | Compliance / Action Plan |
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| 18 | <p>The company shall undertake following waste minimization measures:-</p> <p>a. Metering and control of quantities of active ingredients to minimize waste.</p> <p>b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>c. Use of automated filling to minimize spillage.</p> <p>d. Use of Close Feed system into batch reactors.</p> <p>e. Venting equipment through vapour recovery system.</p> <p>f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p> | <p>a. Expansion of PVC and addition of CPVC designed, based on fully automated process adopting latest technology to ensure insignificant waste generation and maximum recycling of raw materials.</p> <p>b. No by-product is envisaged from PVC and CPVC units.</p> <p>c. Fully automated filling system provided so as to minimize spillages. .</p> <p>d. All feeding systems are fully automated for batch reactors.</p> <p>e. VCM stripping system is installed in PVC plant to recover un-reacted VCM, if any.</p> <p>f. High pressure hoses are used in PVC/CPVC plants for equipment cleaning to reduce waste water generation.</p> |
| 19 | <p>The Company shall take necessary measures to prevent fire hazards, containing oil spill and soil remediation as needed. Fire fighting system shall be as per norms.</p> | <p>Necessary fire fighting systems for existing VCM tanks as per norms are already in place.</p> |
| 20 | <p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p> | <p>Occupational Health Centre (OHC) manual have already been submitted vide First half yearly report, Sep 2014.</p> |
| 21 | <p>The company shall strictly follow all the recommendation mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).</p> | <p>CREP is not applicable for the PVC and CPVC units. However all stipulated environmental standards and guidelines strictly followed.</p> |
| 22 | <p>To prevent fire and explosion at oil and gas facility, potential ignition sources shall be kept to a minimum and adequate separation distance between potential ignition sources and flammable material shall be in place.</p> | <p>Potential ignition sources are kept at an adequate distance between sources. All the flammable materials are kept in appropriate place.</p> |
| 23 | <p>Company shall prepare project specific environmental manual for the compliance to conditions stipulated and a copy shall be made available at the project site for</p> | <p>The company has already established Integrated Management Systems comprising of Quality, Safety, Environment and Health Management systems in the facility and the systems were accredited by Indian</p> |



Compliance for EC Condition as on November 2023

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| | the compliance. Company shall adopt Corporate Environment Policy as per the Ministry's O.M. No. J-11013/41/2006-IA.II(I) dated 26th April, 2011 and implemented. | Registrar Quality System (IRQS). In view of this, IMS manual was prepared and implemented across various sections/functions of the facility. An Environmental Management Policy defined for the facility has already been submitted vide First half yearly report, Sep 2014. |
| 24 | All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented. | Risk recommendations for PVC plant are already implemented in the plant. Details of the Risk control measures implemented in the existing PVC facility have already been submitted vide First half yearly report, Sep 2014. Status of the implementation of the risk control measures stated in the QRA report have already been submitted vide First half yearly report, Sep 2014. |
| 25 | All the commitments made to the public during public hearing/public consultation meeting held on 29 th November, 2011 shall be satisfactorily implemented and adequate budget provision shall be made accordingly. | All the commitments made to the public during public hearing are satisfactorily carried out and adequate budget provisions made accordingly. |
| 26 | Green belt shall be developed in 33% of the plant area as per the guidelines of CPCB in consultation with the DFO. | A vast area was already developed under green cover development in the existing plant since the inception of the facility in 1959. We have already planted ten varieties of nativity saplings within the existing facility. Greenbelt and green cover map have already been submitted vide First half yearly report, Sep 2014. |
| 27 | At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner. | The envisaged budget for the expansion of PVC and addition of CPVC facilities only since other projects are kept hold. We have already allocated fund towards Enterprise Social Commitment based on locals need and item-wise details for over a period of 10 years and CSR activities are being undertaken progressively. A detailed pre-feasibility report and need based Enterprise Social Commitment based on locals need and item-wise details, implementation program and time bound action plan have already been submitted vide First half yearly report, Sep 2014. |
| 28 | The company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure | (i) Complied and the SOP have already been |

Environmental Compliance Statement and Action Plan Report (Progress Report) of Expansion of PVC (90,000 MTPA to 150,000 MTPA by debottlenecking) and addition of CPVC (14400 MTPA) at PVC Division, Expansion of Trichloroethylene (7200MTPA to 15480 MTPA and Expansion of captive power plant (from 58.27 MW to 108.27MW) in DCW Limited, Sahupuram Village, Tiruchendur Taluk, Tuticorin District, (MoEF Environmental Clearance Letter No. J-11011/523/2010-IA II (I), dated 24th February, 2014)



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| | <p>to being into focus any infringement /deviation/violation of environmental or forest norms/condition,</p> <p>(ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and</p> <p>(iii) System of reporting of non compliance/ violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.</p> | <p>submitted vide First half yearly report, Sep 2014.</p> <p>(ii) Complied and the organization chart have already been submitted vide First half yearly report, Sep 2014 is updated and attached.</p> <p>(iii) The violation on the environmental norms and other environmental issues if any are discussed in every management review meeting and also Board meeting to take necessary preventive measures.</p> |
| 29 | <p>Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.</p> | Complied. |
| General Conditions | | |
| 1 | <p>The project authorities shall strictly adhere to the stipulations made by the T.N. Pollution Control Board.</p> | <p>We will strictly adhere to the stipulations made by the Tamil Nadu Pollution Control Board at all times.</p> |
| 2 | <p>No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/SEAC and Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p> | <p>We will strictly adhere to the conditions stipulated. No further expansion or modifications in the plant will be carried out without prior approval from MoEF&CC.</p> |
| 3 | <p>The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind</p> | <p>Ambient air quality monitoring being undertaken as per the directions of TNPCB and reports are periodically submitted to TNPCB. Similar practices will be continued. As already mentioned, we have provided AAQ stations in upwind, downwind and cross wind directions</p> |



Compliance for EC Condition as on November 2023

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| | direction as well as where maximum ground level concentrations are anticipated. | |
| 4 | The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time). | Existing noise levels in the plant are within the stipulated standards. No major noise generating equipment will be installed in PVC and CPVC plant. Hence the envisaged noise levels at the facility will remain unchanged from the current baseline conditions and the noise levels at the facility boundary will meet the stipulated standards. |
| 5 | The Company shall harvest rainwater from the roof tops of the buildings and storms water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water. | Adequate rainwater harvesting system developed for the run-off from roof top area of PVC and CPVC plant. |
| 6 | 1. Training shall be imparted to all employees on safety and health aspects of chemicals handling. 2. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted. | 1. Training cell of the existing facility is already imparting the training on safety, health and environmental management aspects in handling chemicals and operating in process units. A defined training calendar has been developed and implemented. Similar practices will be continued as a part of the IMS program. 2. Medical examinations are being carried in the existing facility as a part of the occupational health program of the organization. Similar practices will be continued. |
| 7 | Usage of Personnel Protection Equipments (PPEs) by all employees/workers shall be ensured. | Full-fledged PPE program has been implemented in the facility. List of various PPEs adopted in the existing facility have already been submitted vide First half yearly report, Sep 2014. |
| 8 | The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project, shall be implemented. | EMP proposed for PVC and CPVC plant and the risk mitigation measures along with the public hearing recommendations are progressively carried out. |
| 9 | The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding | We have already allocated fund towards Enterprise Social Commitment for over a period of 10 years and CSR activities are being undertaken progressively. |

Environmental Compliance Statement and Action Plan Report (Progress Report) of Expansion of PVC (90,000 MTPA to 150,000 MTPA by debottlenecking) and addition of CPVC (14400 MTPA) at PVC Division, Expansion of Trichloroethylene(7200MTPA to 15480 MTPA and Expansion of captive power plant (from 58.27 MW to 108.27MW) in DCW Limited, Sahupuram Village, Tiruchendur Taluk, Tuticorin District, (MoEF Environmental Clearance Letter No. J-11011/523/2010-IA II (I), dated 24th February, 2014)



Compliance for EC Condition as on November 2023

| S. No | EC Condition | Compliance / Action Plan |
|-------|--|--|
| | area. CSR activities shall be undertaken by involving local villages and administration. | |
| 10 | The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. | We have already allocated fund towards Enterprise Social Commitment for over a period of 10 years and CSR activities are being undertaken progressively. |
| 11 | A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. | Environmental Management Cell equipped with full-fledged laboratory facilities are under functioning. |
| 12 | The company shall earmark sufficient funds towards capital cost and recurring cost/annum 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 earmarked for environment management / pollution control measures shall not be diverted for any other purpose. | The funds earmarked towards capital cost and recurring cost based on the engineering design to implement the EMP of PVC Division were properly used and not diverted for any other purpose. |
| 13 | A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. | Complied. |
| 14 | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of the 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 T.N. Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company. | The compliance status & progress report is presented in this document and the same is submitted to the concerned authorities as instructed. The copy of Environmental Clearance and six monthly compliance status report is periodically posted on our website. |
| 15 | The environmental statement for each financial year ending 31 st March in Form- | The Environmental Statement for each financial year ending 31 st March in Form-V is periodically |

Environmental Compliance Statement and Action Plan Report (Progress Report) of Expansion of PVC (90,000 MTPA to 150,000 MTPA by debottlenecking) and addition of CPVC (14400 MTPA) at PVC Division, Expansion of Trichloroethylene(7200MTPA to 15480 MTPA and Expansion of captive power plant (from 58.27 MW to 108.27MW) in DCW Limited, Sahupuram Village, Tiruchendur Taluk, Tuticorin District, (MoEF Environmental Clearance Letter No. J-11011/523/2010-IA II (I), dated 24th February, 2014)



Compliance for EC Condition as on November 2023

| S. No | EC Condition | Compliance / Action Plan |
|-------|--|--|
| | V as in mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail. | submitted to the Tamil Nadu Pollution Control Board and copy of the same is posted on our website periodically along with the status of compliance of environmental clearance. |
| 16 | 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 SPCB/Committee and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the 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 concerned Regional Office of the Ministry. | Copies of the advertisement in newspaper have already been submitted vide First half yearly report, Sep 2014. |
| 17 | The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. | Complied. |

DCW Limited, Sahapuram.

Annexure - I

Status of Consent Orders under Air and Water Acts issued by Tamil Nadu Pollution Control Board for the J-11011/523/2010-IA II (I) Dated 24th Feb, 2014.

| Sl. No. | Description | Issue Date |
|---------|--|-------------|
| 1. | Applied for Consent To Establish for the Expansion of PVC (90,000 TPA to 150,000 TPA by debottlenecking and addition of CPVC (14400 TPA) in PVC Division only under Air & Water Acts. The Other two projects viz., Expansion of Trichloroethylene (from 7200 MTPA to 15480 MTPA) and Captive Power Plant (from 58.27 MW to 108.27 MW) kept on hold. | 04.03.2014. |
| 2. | Consent To Establishment vide Consent Order No. 20951 under Water Act for Expansion of PVC (90,000 TPA to 150,000 TPA by debottlenecking and addition of CPVC (14400 TPA) in PVC Division. | 22.04.2014. |
| 3. | Consent To Establishment vide Consent Order No. 16986 under Air Act for Expansion of PVC (90,000 TPA to 150,000 TPA by debottlenecking and addition of CPVC (14400 TPA) in PVC Division. | 22.04.2014. |
| 5. | Consent To Operate vide Consent Order No. 170726217472 and Proceedings No. T11/ TNPCB/ F.0066TTN / OL / TTN / A /2017 Dated: 08/05/2017 under Air Act for Expansion of PVC (90,000 TPA to 150,000 TPA by debottlenecking and addition of CPVC (14400 TPA) in PVC Division given under TNPCB B.P. No. 06 Dated: 02.08.2016 after Revised Categorization of Industries listed in Sl. No.75: Category code No.2075 for Synthetic resins. | 08.05.2017 |
| 6. | Consent To Operate vide Consent Order No. 170716217472 and Proceedings No. T11/ TNPCB/ F.0066TTN / OL / TTN / W / 2017 Dated: 08/05/2017 under Water Act for Expansion of PVC (90,000 TPA to 150,000 TPA by debottlenecking and addition of CPVC (14400 TPA) in PVC Division given under TNPCB B.P. No. 06 Dated: 02.08.2016 after Revised Categorization of Industries listed in Sl. No.75: Category code No.2075 for Synthetic resins. | 08.05.2017 |
| 7. | Renewal Consent Order No. 2208243187482 under Air Act and Renewal Consent Order No. 2208143187482 under Water Act issued for PVC Division for the period ending 31st March 2024 vide Board's Proceedings No. F.0066TTN/OL/DEE/TNPCB/TTN/A/2022dt. 01/04/2022 | 01.04.2022 |
| 8. | After Obtaining No Increase in Pollution Load Certificate, Consent To Establishment issued vide Consent Order No. 2206244084107 under Air Act & 2206144084107 under Water Act for the Revised Production of PVC (1,50,000 TPA to 1,40,000 TPA) and CPVC (14,400 TPA to 21,500,TPA) in PVC Division for the period ending 31st March 2027. | 16.05.2022 |
| 9. | Consent To Operate (Expansion) vide Consent Order No. 2307253143809 & 2307153143809 vide Proceedings No. T4 / TNPCB / F.0066TTN / RL / TTN / A&W / 2023 Dated: 08/08/2023 under Air & Water Acts for Revised Production of PVC (1,50,000 TPA to 1,40,000 TPA) and CPVC (14,400 TPA to 21,500,TPA) in PVC Division given under Revised Category code No. 1011-Processes involving chlorinated hydrocarbons for the period ending 31st March 2024. | 08.08.2023 |

DCW LTD
SAHUPURAM



CENTRAL LABORATORY

01-07-2023

| AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF JUNE 2023 | | | | | | | | |
|--|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----|
| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
| | | Microgram/m ³ | | | | | | |
| NAAQ Standard | | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max | - |
| 01-06-2023 | SALT WEIGH BRIDGE | 17.64 | 69.55 | 9.36 | 17.24 | BDL | 4.35 | BDL |
| | QUARTERS C-3 BLOCK | 8.48 | 48.76 | 7.12 | 7.45 | BDL | BDL | BDL |
| 02-06-2023 | TWAD PUMP HOUSE | 18.26 | 71.34 | 9.25 | 13.26 | BDL | 2.58 | BDL |
| | PVC WATCH TOWER | 13.14 | 52.36 | 7.28 | 7.50 | BDL | 1.24 | BDL |
| 03-06-2023 | A-BLOCK WATCH TOWER | 14.42 | 60.55 | 7.46 | 8.04 | BDL | 1.36 | BDL |
| | QUARTERS C-3 BLOCK | 8.56 | 48.76 | 7.08 | 6.95 | BDL | BDL | BDL |
| 04-06-2023 | TWAD PUMP HOUSE | 16.75 | 67.74 | 8.44 | 14.25 | BDL | 3.56 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 14.34 | 59.34 | 7.91 | 12.78 | 2.56 | 2.85 | BDL |
| 05-06-2023 | SALT WEIGH BRIDGE | 15.26 | 68.92 | 8.26 | 15.25 | BDL | 3.48 | BDL |
| | A-BLOCK WATCH TOWER | 14.54 | 57.76 | 9.18 | 10.68 | BDL | 2.16 | BDL |
| 06-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 14.11 | 60.14 | 8.48 | 12.60 | BDL | 3.15 | BDL |
| | QUARTERS C-3 BLOCK | 9.18 | 50.35 | 7.14 | 7.84 | BDL | BDL | BDL |
| 07-06-2023 | TWAD PUMP HOUSE | 17.71 | 66.74 | 8.51 | 13.35 | BDL | 4.48 | BDL |
| | PVC WATCH TOWER | 14.28 | 61.15 | 7.54 | 8.12 | BDL | 1.28 | BDL |
| 08-06-2023 | A-BLOCK WATCH TOWER | 13.68 | 57.60 | 8.36 | 18.20 | BDL | 8.45 | BDL |
| | QUARTERS C-3 BLOCK | 8.44 | 48.72 | 7.61 | 8.08 | BDL | BDL | BDL |
| 09-06-2023 | SALT WEIGH BRIDGE | 16.36 | 68.50 | 9.35 | 16.45 | BDL | 4.54 | BDL |
| | PVC WATCH TOWER | 11.28 | 50.78 | 7.12 | 7.58 | BDL | BDL | BDL |
| 10-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.30 | 53.36 | 8.58 | 10.52 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 14.46 | 60.78 | 8.25 | 11.65 | BDL | 3.58 | BDL |
| 11-06-2023 | SALT WEIGH BRIDGE | 17.35 | 74.46 | 9.14 | 15.32 | BDL | 6.78 | BDL |
| | TWAD PUMP HOUSE | 16.54 | 72.35 | 8.84 | 14.36 | BDL | 5.45 | BDL |
| 12-06-2023 | QUARTERS C-3 BLOCK | 9.16 | 51.14 | 7.16 | 8.36 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 9.94 | 56.78 | 7.68 | 8.67 | BDL | 1.90 | BDL |
| 13-06-2023 | SALT WEIGH BRIDGE | 16.28 | 66.35 | 9.14 | 15.56 | BDL | 5.68 | BDL |
| | TWAD PUMP HOUSE | 15.76 | 62.42 | 8.62 | 11.35 | BDL | 5.24 | BDL |
| 14-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 12.44 | 58.54 | 8.36 | 9.35 | 1.52 | 1.68 | BDL |
| | A-BLOCK WATCH TOWER | 14.20 | 60.34 | 8.82 | 16.80 | BDL | 4.36 | BDL |
| 15-06-2023 | SALT WEIGH BRIDGE | 19.26 | 76.34 | 8.91 | 19.28 | BDL | 9.14 | BDL |
| | QUARTERS C-3 BLOCK | 8.92 | 52.15 | 7.48 | 9.14 | BDL | 1.56 | BDL |

BDL = < 1 microgram/m³

Cont...2

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15

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AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF JUNE 2023

| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
|------------|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 16-06-2023 | TWAD PUMP HOUSE | 18.30 | 71.18 | 8.60 | 13.28 | BDL | 3.56 | BDL |
| | PVC WATCH TOWER | 13.46 | 59.14 | 7.40 | 8.56 | BDL | 2.04 | BDL |
| 17-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.50 | 54.32 | 7.85 | 9.30 | BDL | 2.54 | BDL |
| | A-BLOCK WATCH TOWER | 13.48 | 60.76 | 8.10 | 12.58 | BDL | 4.45 | BDL |
| 18-06-2023 | SALT WEIGH BRIDGE | 15.61 | 68.35 | 9.36 | 18.72 | BDL | 6.86 | BDL |
| | PVC WATCH TOWER | 11.30 | 57.46 | 7.02 | 7.58 | BDL | 1.56 | BDL |
| 19-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 14.68 | 57.91 | 8.16 | 12.36 | 2.85 | 1.95 | BDL |
| | A-BLOCK WATCH TOWER | 15.10 | 59.35 | 9.18 | 14.46 | BDL | 5.38 | BDL |
| 20-06-2023 | TWAD PUMP HOUSE | 18.36 | 70.84 | 10.36 | 16.32 | BDL | 4.14 | BDL |
| | QUARTERS C-3 BLOCK | 8.48 | 48.55 | 8.58 | 10.25 | BDL | 1.08 | BDL |
| 21-06-2023 | SALT WEIGH BRIDGE | 19.35 | 78.18 | 9.54 | 18.21 | BDL | 6.15 | BDL |
| | PVC WATCH TOWER | 13.20 | 55.16 | 8.04 | 8.56 | BDL | 1.52 | BDL |
| 22-06-2023 | TWAD PUMP HOUSE | 20.36 | 76.65 | 10.61 | 15.26 | 1.60 | 3.48 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 13.28 | 60.12 | 8.82 | 13.20 | BDL | 2.56 | BDL |
| 23-06-2023 | SALT WEIGH BRIDGE | 17.11 | 69.72 | 9.16 | 16.22 | BDL | 7.48 | BDL |
| | QUARTERS C-3 BLOCK | 8.84 | 50.28 | 6.56 | 7.95 | BDL | BDL | BDL |
| 24-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.55 | 58.75 | 7.95 | 13.46 | BDL | 2.54 | BDL |
| | A-BLOCK WATCH TOWER | 14.28 | 61.14 | 8.16 | 9.14 | BDL | BDL | BDL |
| 25-06-2023 | SALT WEIGH BRIDGE | 16.36 | 65.78 | 9.50 | 17.25 | BDL | 5.48 | BDL |
| | PVC WATCH TOWER | 12.44 | 52.30 | 7.51 | 7.86 | BDL | BDL | BDL |
| 26-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.68 | 59.78 | 8.95 | 14.26 | 2.50 | 2.94 | BDL |
| | QUARTERS C-3 BLOCK | 8.42 | 47.84 | 7.02 | 7.56 | BDL | BDL | BDL |
| 27-06-2023 | TWAD PUMP HOUSE | 18.26 | 71.18 | 9.14 | 20.50 | BDL | 7.18 | BDL |
| | PVC WATCH TOWER | 12.54 | 57.11 | 7.24 | 8.06 | BDL | 1.48 | BDL |
| 28-06-2023 | SALT WEIGH BRIDGE | 19.31 | 78.32 | 8.58 | 18.86 | BDL | 8.26 | BDL |
| | A-BLOCK WATCH TOWER | 13.16 | 60.44 | 7.46 | 12.35 | BDL | 4.58 | BDL |
| 29-06-2023 | TWAD PUMP HOUSE | 17.35 | 69.78 | 8.94 | 14.15 | BDL | 3.54 | BDL |
| | QUARTERS C-3 BLOCK | 8.67 | 50.56 | 8.08 | 8.46 | BDL | 1.04 | BDL |
| 30-06-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.62 | 58.48 | 7.58 | 10.36 | BDL | 1.56 | BDL |
| | A-BLOCK WATCH TOWER | 13.76 | 61.14 | 8.14 | 13.51 | BDL | 3.48 | BDL |

BDL = < 1 microgram/m³

Checked by  (Environment Dept)

Lab Incharge PVC (QC & LAB)

 DGM (QC & LAB)



01-08-2023

AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF JULY 2023

| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
|------------|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 60 Max | - | 400 Max |
| 01-07-2023 | SALT WEIGH BRIDGE | 16.36 | 68.38 | 8.12 | 14.26 | BDL | 4.56 | BDL |
| | QUARTERS C-3 BLOCK | 9.12 | 51.35 | 7.46 | 7.85 | BDL | BDL | BDL |
| 02-07-2023 | TWAD PUMP HOUSE | 19.40 | 76.18 | 9.20 | 15.16 | BDL | 6.12 | BDL |
| | PVC WATCH TOWER | 13.28 | 59.35 | 7.30 | 8.11 | BDL | 1.56 | BDL |
| 03-07-2023 | A-BLOCK WATCH TOWER | 14.16 | 60.75 | 8.35 | 10.20 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 10.25 | 52.46 | 6.86 | 7.56 | BDL | 1.08 | BDL |
| 04-07-2023 | SALT WEIGH BRIDGE | 17.66 | 72.25 | 8.94 | 17.34 | BDL | 5.34 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 14.28 | 58.75 | 7.08 | 9.14 | BDL | 1.58 | BDL |
| 05-07-2023 | TWAD PUMP HOUSE | 18.25 | 65.64 | 8.16 | 11.60 | BDL | 1.64 | BDL |
| | PVC WATCH TOWER | 13.14 | 54.36 | 6.94 | 7.58 | BDL | BDL | BDL |
| 06-07-2023 | SALT WEIGH BRIDGE | 16.46 | 67.56 | 8.45 | 12.35 | BDL | 1.78 | BDL |
| | A-BLOCK WATCH TOWER | 11.28 | 51.14 | 7.54 | 15.10 | BDL | 1.04 | BDL |
| 07-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.25 | 52.32 | 8.16 | 9.30 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.58 | 48.16 | 6.56 | 7.08 | BDL | BDL | BDL |
| 08-07-2023 | A-BLOCK WATCH TOWER | 14.25 | 68.08 | 7.45 | 14.25 | BDL | 2.18 | BDL |
| | PVC WATCH TOWER | 11.65 | 51.20 | 7.02 | 7.85 | BDL | 1.25 | BDL |
| 09-07-2023 | TWAD PUMP HOUSE | 16.22 | 64.48 | 9.18 | 13.45 | BDL | 1.68 | BDL |
| | QUARTERS C-3 BLOCK | 8.54 | 52.63 | 7.12 | 8.38 | BDL | BDL | BDL |
| 10-07-2023 | SALT WEIGH BRIDGE | 18.36 | 69.15 | 8.16 | 10.32 | BDL | 1.70 | BDL |
| | PVC WATCH TOWER | 12.64 | 58.75 | 7.25 | 7.56 | BDL | BDL | BDL |
| 11-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 14.35 | 51.76 | 8.14 | 12.78 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.58 | 48.63 | 7.48 | 8.04 | BDL | BDL | BDL |
| 12-07-2023 | SALT WEIGH BRIDGE | 17.25 | 72.36 | 8.94 | 12.72 | BDL | BDL | BDL |
| | TWAD PUMP HOUSE | 18.52 | 78.62 | 8.45 | 9.30 | BDL | BDL | BDL |
| 13-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.22 | 57.12 | 6.85 | 7.58 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 14.18 | 60.35 | 7.04 | 7.18 | BDL | BDL | BDL |
| 14-07-2023 | TWAD PUMP HOUSE | 15.76 | 60.76 | 7.14 | 7.25 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 11.38 | 50.14 | 6.58 | 7.04 | BDL | BDL | BDL |
| 15-07-2023 | A-BLOCK WATCH TOWER | 13.26 | 58.64 | 7.87 | 8.15 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.45 | 46.72 | 7.02 | 7.95 | BDL | BDL | BDL |


BDL = < 1 microgram/m³

Cont...2

| AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF JULY 2023 | | | | | | | | |
|--|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 16-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 14.45 | 66.46 | 9.54 | 10.22 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 10.28 | 52.78 | 8.08 | 8.50 | BDL | BDL | BDL |
| 17-07-2023 | TWAD PUMP HOUSE | 17.46 | 70.52 | 9.25 | 16.78 | BDL | 6.16 | BDL |
| | QUARTERS C-3 BLOCK | 8.48 | 50.48 | 8.04 | 8.55 | BDL | BDL | BDL |
| 18-07-2023 | SALT WEIGH BRIDGE | 18.28 | 74.26 | 8.54 | 16.78 | BDL | 4.58 | BDL |
| | PVC WATCH TOWER | 11.56 | 52.78 | 7.40 | 8.12 | BDL | BDL | BDL |
| 19-07-2023 | TWAD PUMP HOUSE | 15.20 | 68.15 | 8.45 | 12.38 | BDL | 2.58 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 11.94 | 55.74 | 7.56 | 8.85 | BDL | 3.14 | BDL |
| 20-07-2023 | SALT WEIGH BRIDGE | 17.48 | 71.46 | 9.10 | 18.26 | BDL | 4.58 | BDL |
| | A-BLOCK WATCH TOWER | 13.51 | 60.70 | 8.62 | 15.40 | BDL | 3.16 | BDL |
| 21-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 14.10 | 69.24 | 9.58 | 10.36 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 9.25 | 52.36 | 7.36 | 7.85 | BDL | BDL | BDL |
| 22-07-2023 | TWAD PUMP HOUSE | 15.35 | 70.14 | 8.24 | 11.48 | BDL | 2.08 | BDL |
| | A-BLOCK WATCH TOWER | 14.26 | 59.78 | 9.20 | 15.66 | BDL | 5.36 | BDL |
| 23-07-2023 | SALT WEIGH BRIDGE | 18.35 | 72.50 | 8.40 | 20.78 | 2.58 | 6.16 | BDL |
| | QUARTERS C-3 BLOCK | 8.56 | 50.94 | 7.58 | 8.14 | BDL | BDL | BDL |
| 24-07-2023 | TWAD PUMP HOUSE | 16.25 | 65.34 | 8.36 | 9.84 | BDL | 2.56 | BDL |
| | PVC WATCH TOWER | 11.54 | 50.26 | 7.84 | 8.26 | BDL | 1.90 | BDL |
| 25-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.20 | 58.74 | 8.28 | 9.16 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 10.28 | 50.11 | 7.51 | 7.86 | BDL | BDL | BDL |
| 26-07-2023 | SALT WEIGH BRIDGE | 19.20 | 77.35 | 9.48 | 20.56 | BDL | 6.28 | BDL |
| | A-BLOCK WATCH TOWER | 14.25 | 60.72 | 8.64 | 10.35 | BDL | 1.58 | BDL |
| 27-07-2023 | TWAD PUMP HOUSE | 18.15 | 70.28 | 9.32 | 18.25 | BDL | 5.34 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 13.74 | 56.54 | 7.38 | 8.08 | BDL | BDL | BDL |
| 28-07-2023 | SALT WEIGH BRIDGE | 16.24 | 67.44 | 7.92 | 15.26 | BDL | 4.58 | BDL |
| | PVC WATCH TOWER | 12.36 | 56.28 | 7.38 | 8.20 | BDL | 1.24 | BDL |
| 29-07-2023 | TWAD PUMP HOUSE | 20.52 | 78.62 | 8.15 | 9.46 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 9.86 | 49.78 | 7.12 | 7.84 | BDL | BDL | BDL |
| 30-07-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.35 | 60.70 | 7.74 | 9.36 | BDL | 1.38 | BDL |
| | PVC WATCH TOWER | 12.74 | 50.34 | 7.48 | 9.62 | BDL | 1.45 | BDL |
| 31-07-2023 | SALT WEIGH BRIDGE | 15.70 | 64.20 | 8.16 | 14.28 | BDL | 4.56 | BDL |
| | A-BLOCK WATCH TOWER | 12.36 | 59.74 | 7.68 | 11.65 | BDL | 2.64 | BDL |

BDL = < 1 microgram/m³


 Checked by (Environment Dept)


 Lab Incharge PVC (QC & LAB)


 DGM (QC & LAB)

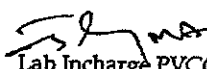


| AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF AUGUST 2023 | | | | | | | | |
|--|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 01-08-2023 | TWAD PUMP HOUSE | 17.30 | 69.25 | 8.48 | 10.25 | BDL | 1.62 | BDL |
| | PVC WATCH TOWER | 12.16 | 58.35 | 7.54 | 8.10 | BDL | BDL | BDL |
| 02-08-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.54 | 56.18 | 8.16 | 9.50 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 14.26 | 61.75 | 9.20 | 14.52 | BDL | 2.65 | BDL |
| 03-08-2023 | SALT WEIGH BRIDGE | 16.78 | 70.86 | 10.08 | 16.75 | BDL | 4.16 | BDL |
| | QUARTERS C-3 BLOCK | 9.55 | 44.14 | 8.12 | 9.58 | BDL | BDL | BDL |
| 04-08-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.72 | 48.62 | 8.02 | 8.58 | BDL | 1.50 | BDL |
| | A-BLOCK WATCH TOWER | 13.80 | 60.16 | 9.54 | 15.74 | BDL | 4.86 | BDL |
| 05-08-2023 | SALT WEIGH BRIDGE | 15.70 | 62.58 | 8.62 | 17.35 | BDL | 6.14 | BDL |
| | QUARTERS C-3 BLOCK | 7.68 | 40.24 | 7.81 | 7.94 | BDL | BDL | BDL |
| 06-08-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.78 | 54.36 | 8.12 | 8.64 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 11.52 | 53.24 | 8.60 | 11.52 | BDL | 1.72 | BDL |
| 07-08-2023 | SALT WEIGH BRIDGE | 16.78 | 72.86 | 9.28 | 12.08 | BDL | 1.86 | BDL |
| | TWAD PUMP HOUSE | 15.84 | 68.75 | 8.54 | 14.12 | 2.58 | 3.24 | BDL |
| 08-08-2023 | A-BLOCK WATCH TOWER | 13.28 | 59.86 | 8.62 | 13.50 | BDL | 4.16 | BDL |
| | QUARTERS C-3 BLOCK | 10.16 | 44.56 | 7.36 | 7.64 | BDL | BDL | BDL |
| 09-08-2023 | SALT WEIGH BRIDGE | 16.35 | 74.38 | 8.74 | 10.60 | BDL | 1.50 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 11.44 | 56.28 | 7.40 | 9.51 | BDL | BDL | BDL |
| 10-08-2023 | A-BLOCK WATCH TOWER | 14.50 | 60.72 | 8.34 | 9.08 | BDL | 2.85 | BDL |
| | PVC WATCH TOWER | 13.62 | 57.14 | 7.80 | 12.78 | BDL | 2.32 | BDL |
| 11-08-2023 | SALT WEIGH BRIDGE | 18.35 | 69.75 | 8.16 | 18.12 | BDL | 4.52 | BDL |
| | TWAD PUMP HOUSE | 16.48 | 64.18 | 7.84 | 10.76 | BDL | 1.56 | BDL |
| 12-08-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 12.15 | 58.76 | 8.12 | 17.28 | 2.52 | 3.48 | BDL |
| | QUARTERS C-3 BLOCK | 9.42 | 52.36 | 8.02 | 11.76 | BDL | BDL | BDL |
| 13-08-2023 | SALT WEIGH BRIDGE | 15.30 | 71.12 | 9.32 | 14.65 | 1.56 | 4.58 | BDL |
| | A-BLOCK WATCH TOWER | 11.78 | 56.38 | 8.58 | 9.16 | BDL | BDL | BDL |
| 14-08-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 10.35 | 52.62 | 7.85 | 7.95 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.48 | 49.97 | 7.04 | 7.42 | BDL | BDL | BDL |
| 15-08-2023 | SALT WEIGH BRIDGE | 17.30 | 67.48 | 8.12 | 10.72 | BDL | 1.54 | BDL |
| | PVC WATCH TOWER | 13.16 | 55.30 | 8.08 | 8.45 | BDL | BDL | BDL |

BDL = < 1 microgram/m³

Cont...2

| AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF AUGUST 2023 | | | | | | | | |
|--|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 16-08-2023 | TWAD PUMP HOUSE | 14.35 | 59.36 | 8.28 | 13.32 | BDL | 3.58 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 13.22 | 54.16 | 8.02 | 8.94 | BDL | 1.64 | BDL |
| 17-08-2023 | A-BLOCK WATCH TOWER | 12.66 | 48.55 | 9.12 | 10.88 | BDL | 3.78 | BDL |
| | QUARTERS C-3 BLOCK | 8.46 | 40.72 | 8.02 | 8.40 | BDL | BDL | BDL |
| 18-08-2023 | TWAD PUMP HOUSE | 18.15 | 72.36 | 8.15 | 9.85 | BDL | 1.40 | BDL |
| | PVC WATCH TOWER | 13.28 | 54.48 | 9.05 | 19.26 | BDL | 2.88 | BDL |
| 19-08-2023 | SALT WEIGH BRIDGE | 16.72 | 67.15 | 9.44 | 10.28 | BDL | 1.48 | BDL |
| | A-BLOCK WATCH TOWER | 12.35 | 57.16 | 9.52 | 18.34 | BDL | 4.36 | BDL |
| 20-08-2023 | TWAD PUMP HOUSE | 13.46 | 58.96 | 7.64 | 8.92 | BDL | 3.80 | BDL |
| | QUARTERS C-3 BLOCK | 9.14 | 57.64 | 7.02 | 7.58 | BDL | BDL | BDL |
| 21-08-2023 | SALT WEIGH BRIDGE | 16.25 | 64.46 | 7.64 | 11.72 | 1.48 | 3.86 | BDL |
| | PVC WATCH TOWER | 10.56 | 50.15 | 7.72 | 12.86 | BDL | 2.94 | BDL |
| 22-08-2023 | TWAD PUMP HOUSE | 17.14 | 68.70 | 8.12 | 12.55 | BDL | 2.50 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 13.20 | 58.64 | 7.91 | 8.16 | BDL | BDL | BDL |
| 23-08-2023 | SALT WEIGH BRIDGE | 18.36 | 70.68 | 8.35 | 13.26 | BDL | 4.56 | BDL |
| | QUARTERS C-3 BLOCK | 7.56 | 40.75 | 6.58 | 7.18 | BDL | BDL | BDL |
| 24-08-2023 | TWAD PUMP HOUSE | 15.48 | 64.30 | 7.47 | 8.94 | BDL | 1.94 | BDL |
| | PVC WATCH TOWER | 11.76 | 54.36 | 8.11 | 13.26 | BDL | 3.58 | BDL |
| 25-08-2023 | SALT WEIGH BRIDGE | 13.48 | 59.54 | 8.02 | 9.56 | BDL | 2.50 | BDL |
| | A-BLOCK WATCH TOWER | 12.62 | 54.45 | 7.58 | 8.08 | BDL | BDL | BDL |
| 26-08-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 12.78 | 50.36 | 7.68 | 8.94 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.45 | 48.74 | 7.28 | 7.80 | BDL | BDL | BDL |
| 27-08-2023 | A-BLOCK WATCH TOWER | 14.46 | 60.78 | 8.25 | 15.36 | BDL | 6.34 | BDL |
| | PVC WATCH TOWER | 12.94 | 51.32 | 7.20 | 7.55 | BDL | BDL | BDL |
| 28-08-2023 | TWAD PUMP HOUSE | 14.08 | 61.32 | 8.12 | 13.35 | BDL | 3.40 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 10.66 | 48.54 | 7.54 | 8.02 | BDL | BDL | BDL |
| 29-08-2023 | SALT WEIGH BRIDGE | 13.22 | 59.62 | 7.48 | 8.56 | BDL | 1.86 | BDL |
| | PVC WATCH TOWER | 12.40 | 55.46 | 8.02 | 12.35 | BDL | 4.45 | BDL |
| 30-08-2023 | TWAD PUMP HOUSE | 14.54 | 64.45 | 7.56 | 7.86 | BDL | 1.90 | BDL |
| | QUARTERS C-3 BLOCK | 8.50 | 47.75 | 6.48 | 7.04 | BDL | BDL | BDL |
| 31-08-2023 | A-BLOCK WATCH TOWER | 12.15 | 56.72 | 8.16 | 13.16 | BDL | 4.58 | BDL |
| | PVC WATCH TOWER | 12.48 | 59.64 | 7.56 | 12.28 | BDL | 2.64 | BDL |

BDL = < 1 microgram/m³Checked by:  (Environment Dept)Lab Incharge  PVC(QC & LAB)
DGM(QC & LAB)



02-10-2023

AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF SEPTEMBER 2023

| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
|------------|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----|
| | | Microgram/m ³ | | | | | | |
| | | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max | - |
| 01-09-2023 | TWAD PUMP HOUSE | 14.26 | 61.15 | 8.15 | 9.10 | BDL | 1.85 | BDL |
| | PVC WATCH TOWER | 11.55 | 52.30 | 8.56 | 14.26 | BDL | 4.16 | BDL |
| 02-09-2023 | SALT WEIGH BRIDGE | 12.66 | 50.71 | 7.56 | 8.45 | BDL | 1.90 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 11.35 | 47.25 | 7.69 | 10.32 | BDL | 2.08 | BDL |
| 03-09-2023 | A-BLOCK WATCH TOWER | 13.18 | 58.74 | 8.16 | 15.28 | BDL | 6.12 | BDL |
| | QUARTERS C-3 BLOCK | 8.10 | 41.25 | 6.59 | 7.48 | BDL | BDL | BDL |
| 04-09-2023 | SALT WEIGH BRIDGE | 15.32 | 60.22 | 7.14 | 8.50 | BDL | BDL | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 11.28 | 50.78 | 7.08 | 7.94 | BDL | BDL | BDL |
| 05-09-2023 | TWAD PUMP HOUSE | 16.78 | 68.15 | 7.20 | 8.36 | BDL | 1.94 | BDL |
| | A-BLOCK WATCH TOWER | 13.20 | 59.16 | 8.21 | 14.28 | BDL | 5.46 | BDL |
| 06-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 12.76 | 54.46 | 7.26 | 7.56 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 13.12 | 56.15 | 8.20 | 10.26 | BDL | 2.16 | BDL |
| 07-09-2023 | TWAD PUMP HOUSE | 14.35 | 61.12 | 8.10 | 9.35 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.52 | 41.36 | 7.02 | 7.56 | BDL | BDL | BDL |
| 08-09-2023 | SALT WEIGH BRIDGE | 17.36 | 65.35 | 8.25 | 8.84 | BDL | 1.56 | BDL |
| | A-BLOCK WATCH TOWER | 13.92 | 60.74 | 8.52 | 16.76 | BDL | 4.84 | BDL |
| 09-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 8.46 | 44.78 | 7.42 | 8.16 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 7.94 | 38.55 | 6.86 | 7.34 | BDL | BDL | BDL |
| 10-09-2023 | TWAD PUMP HOUSE | 16.46 | 66.28 | 7.64 | 9.30 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 12.55 | 50.11 | 7.92 | 13.25 | BDL | 3.10 | BDL |
| 11-09-2023 | SALT WEIGH BRIDGE | 16.28 | 64.46 | 8.12 | 8.58 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 14.16 | 58.72 | 8.91 | 15.30 | BDL | 4.58 | BDL |
| 12-09-2023 | QUARTERS C-3 BLOCK | 8.36 | 46.60 | 6.95 | 7.28 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 12.72 | 53.45 | 7.58 | 12.74 | BDL | 3.12 | BDL |
| 13-09-2023 | TWAD PUMP HOUSE | 15.76 | 60.15 | 8.12 | 10.78 | BDL | 2.56 | BDL |
| | A-BLOCK WATCH TOWER | 13.11 | 56.72 | 8.29 | 14.55 | BDL | 4.64 | BDL |
| 14-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 12.85 | 50.16 | 7.52 | 7.86 | BDL | 1.52 | BDL |
| | QUARTERS C-3 BLOCK | 7.95 | 39.74 | 6.54 | 6.81 | BDL | BDL | BDL |
| 15-09-2023 | SALT WEIGH BRIDGE | 16.78 | 70.14 | 7.16 | 8.28 | BDL | 1.44 | BDL |
| | PVC WATCH TOWER | 13.32 | 58.61 | 7.58 | 11.24 | BDL | 3.12 | BDL |

BDL = < 1 microgram/m³

Cont...2

AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF SEPTEMBER 2023

| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NOx | SO ₂ | Cl ₂ | NH ₃ | VCM |
|------------|------------------------------------|--------------------------|------------------|---------|-----------------|-----------------|-----------------|---------|
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 16-09-2023 | TWAD PUMP HOUSE | 17.36 | 69.68 | 7.68 | 8.04 | BDL | 1.90 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 11.20 | 51.35 | 7.94 | 9.56 | 1.64 | 1.78 | BDL |
| 17-09-2023 | A-BLOCK WATCH TOWER | 13.26 | 57.44 | 8.12 | 13.58 | BDL | 3.60 | BDL |
| | QUARTERS C-3 BLOCK | 8.42 | 46.25 | 6.85 | 7.18 | BDL | BDL | BDL |
| 18-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 10.12 | 49.26 | 8.12 | 8.50 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 9.85 | 46.78 | 8.52 | 10.28 | BDL | 1.58 | BDL |
| 19-09-2023 | SALT WEIGH BRIDGE | 17.15 | 75.11 | 9.25 | 11.25 | BDL | BDL | BDL |
| | TWAD PUMP HOUSE | 15.22 | 68.36 | 8.86 | 9.28 | BDL | 1.64 | BDL |
| 20-09-2023 | QUARTERS C-3 BLOCK | 7.56 | 45.34 | 7.14 | 8.26 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 12.28 | 57.16 | 7.95 | 14.11 | BDL | 2.35 | BDL |
| 21-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.35 | 53.34 | 8.08 | 9.24 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 14.45 | 60.78 | 8.18 | 12.20 | BDL | 3.58 | BDL |
| 22-09-2023 | SALT WEIGH BRIDGE | 16.70 | 72.84 | 7.91 | 9.08 | BDL | BDL | BDL |
| | TWAD PUMP HOUSE | 15.56 | 69.55 | 7.56 | 9.14 | BDL | 1.90 | BDL |
| 23-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.72 | 51.36 | 7.22 | 8.36 | 1.70 | 1.95 | BDL |
| | PVC WATCH TOWER | 12.64 | 55.15 | 7.38 | 13.20 | BDL | 2.56 | BDL |
| 24-09-2023 | A-BLOCK WATCH TOWER | 13.35 | 59.64 | 8.64 | 11.35 | BDL | 4.46 | BDL |
| | QUARTERS C-3 BLOCK | 8.16 | 48.54 | 7.08 | 7.80 | BDL | BDL | BDL |
| 25-09-2023 | SALT WEIGH BRIDGE | 17.86 | 67.76 | 8.16 | 14.35 | BDL | 3.16 | BDL |
| | PVC WATCH TOWER | 13.11 | 58.56 | 7.92 | 15.16 | BDL | 1.94 | BDL |
| 26-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.45 | 59.24 | 8.14 | 9.35 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.40 | 50.56 | 7.20 | 7.58 | BDL | BDL | BDL |
| 27-09-2023 | TWAD PUMP HOUSE | 16.36 | 71.15 | 7.58 | 7.84 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 14.28 | 61.34 | 7.96 | 13.16 | BDL | 4.94 | BDL |
| 28-09-2023 | SALT WEIGH BRIDGE | 15.34 | 62.86 | 8.24 | 9.04 | BDL | 1.85 | BDL |
| | PVC WATCH TOWER | 12.76 | 55.70 | 8.33 | 12.78 | BDL | 1.74 | BDL |
| 29-09-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.66 | 49.75 | 7.51 | 8.08 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 7.89 | 39.46 | 6.82 | 7.25 | BDL | BDL | BDL |
| 30-09-2023 | TWAD PUMP HOUSE | 14.86 | 63.35 | 7.95 | 9.36 | BDL | 1.45 | BDL |
| | A-BLOCK WATCH TOWER | 13.34 | 59.28 | 8.04 | 15.28 | BDL | 5.32 | BDL |

BDL = < 1 microgram/m³

Checked by: *GU* (Environment Dept)

S. Sharma
Lab Incharge PVC(QC & LAB)

A. M. M. M.
DGM (QC & LAB)



AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF OCTOBER 2023

| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
|------------|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 01-10-2023 | SALT WEIGH BRIDGE | 15.22 | 64.56 | 8.26 | 9.56 | BDL | 1.56 | BDL |
| | QUARTERS C-3 BLOCK | 8.15 | 41.28 | 6.95 | 7.34 | BDL | BDL | BDL |
| 02-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.46 | 56.72 | 7.34 | 8.18 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 13.55 | 59.66 | 7.86 | 15.35 | BDL | 5.25 | BDL |
| 03-10-2023 | TWAD PUMP HOUSE | 16.26 | 68.85 | 8.12 | 8.58 | BDL | 1.90 | BDL |
| | PVC WATCH TOWER | 11.54 | 50.78 | 7.65 | 11.25 | BDL | 2.48 | BDL |
| 04-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.21 | 60.62 | 8.12 | 9.58 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.58 | 45.29 | 7.56 | 7.91 | BDL | BDL | BDL |
| 05-10-2023 | A-BLOCK WATCH TOWER | 14.35 | 58.72 | 8.55 | 14.26 | BDL | 4.28 | BDL |
| | PVC WATCH TOWER | 13.66 | 53.25 | 7.63 | 8.08 | BDL | 1.08 | BDL |
| 06-10-2023 | TWAD PUMP HOUSE | 18.22 | 69.72 | 8.12 | 11.26 | BDL | 2.56 | BDL |
| | QUARTERS C-3 BLOCK | 9.08 | 50.75 | 7.04 | 7.58 | BDL | BDL | BDL |
| 07-10-2023 | SALT WEIGH BRIDGE | 17.35 | 65.56 | 7.56 | 8.91 | BDL | BDL | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 12.68 | 52.35 | 8.12 | 8.58 | BDL | BDL | BDL |
| 08-10-2023 | TWAD PUMP HOUSE | 14.42 | 60.66 | 8.28 | 8.94 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 13.56 | 58.74 | 8.76 | 14.88 | BDL | 5.28 | BDL |
| 09-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 12.25 | 55.60 | 8.14 | 9.05 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 11.60 | 54.78 | 8.26 | 11.20 | BDL | 2.48 | BDL |
| 10-10-2023 | SALT WEIGH BRIDGE | 12.74 | 50.67 | 9.20 | 9.58 | BDL | 3.10 | BDL |
| | QUARTERS C-3 BLOCK | 8.08 | 40.12 | 8.02 | 7.65 | BDL | BDL | BDL |
| 11-10-2023 | TWAD PUMP HOUSE | 14.36 | 60.78 | 8.18 | 8.94 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 13.52 | 57.26 | 8.86 | 13.48 | BDL | 4.54 | BDL |
| 12-10-2023 | SALT WEIGH BRIDGE | 14.48 | 61.54 | 9.58 | 16.28 | BDL | 5.18 | BDL |
| | PVC WATCH TOWER | 11.65 | 51.76 | 8.45 | 12.35 | BDL | 2.48 | BDL |
| 13-10-2023 | TWAD PUMP HOUSE | 14.36 | 62.78 | 8.16 | 14.26 | 1.54 | 2.95 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 12.94 | 54.46 | 8.45 | 13.65 | 1.78 | 3.12 | BDL |
| 14-10-2023 | SALT WEIGH BRIDGE | 15.20 | 61.16 | 7.87 | 18.24 | BDL | 4.68 | BDL |
| | A-BLOCK WATCH TOWER | 11.76 | 50.75 | 7.14 | 8.36 | BDL | 1.55 | BDL |
| 15-10-2023 | TWAD PUMP HOUSE | 16.70 | 63.46 | 8.45 | 15.25 | BDL | 3.78 | BDL |
| | PVC WATCH TOWER | 12.36 | 55.30 | 7.04 | 7.68 | BDL | BDL | BDL |


BDL = < 1 microgram/m³

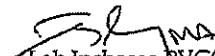
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AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF OCTOBER 2023

| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NOx | SO ₂ | Cl ₂ | NH ₃ | VCM |
|------------|------------------------------------|--------------------------|------------------|---------|-----------------|-----------------|-----------------|---------|
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 16-10-2023 | A-BLOCK WATCH TOWER | 11.72 | 51.32 | 7.62 | 9.36 | BDL | 1.48 | BDL |
| | QUARTERS C-3 BLOCK | 7.94 | 38.55 | 6.52 | 6.94 | BDL | BDL | BDL |
| 17-10-2023 | SALT WEIGH BRIDGE | 18.26 | 58.72 | 17.94 | 12.56 | BDL | 2.44 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 17.98 | 53.41 | 12.80 | 11.34 | BDL | BDL | BDL |
| 18-10-2023 | TWAD PUMP HOUSE | 15.26 | 59.74 | 8.14 | 14.26 | BDL | 3.68 | BDL |
| | A-BLOCK WATCH TOWER | 11.68 | 52.35 | 8.56 | 13.11 | BDL | 4.16 | BDL |
| 19-10-2023 | SALT WEIGH BRIDGE | 16.70 | 65.82 | 9.16 | 9.50 | BDL | 1.60 | BDL |
| | QUARTERS C-3 BLOCK | 9.16 | 46.78 | 7.94 | 8.16 | BDL | BDL | BDL |
| 20-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 16.78 | 60.88 | 15.20 | 11.36 | BDL | 4.56 | BDL |
| | PVC WATCH TOWER | 15.20 | 54.26 | 8.78 | 9.14 | BDL | BDL | BDL |
| 21-10-2023 | A-BLOCK WATCH TOWER | 13.36 | 61.76 | 8.32 | 8.65 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 9.14 | 44.28 | 7.18 | 6.86 | BDL | BDL | BDL |
| 22-10-2023 | SALT WEIGH BRIDGE | 17.42 | 69.70 | 8.36 | 11.78 | BDL | 2.84 | BDL |
| | PVC WATCH TOWER | 12.67 | 56.65 | 8.12 | 10.55 | BDL | 1.52 | BDL |
| 23-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.56 | 50.62 | 7.52 | 9.84 | 1.68 | 1.74 | BDL |
| | QUARTERS C-3 BLOCK | 8.68 | 41.50 | 7.14 | 6.88 | BDL | BDL | BDL |
| 24-10-2023 | TWAD PUMP HOUSE | 15.84 | 65.68 | 8.28 | 14.50 | BDL | 3.88 | BDL |
| | PVC WATCH TOWER | 10.76 | 54.35 | 8.35 | 7.94 | BDL | BDL | BDL |
| 25-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 13.80 | 54.46 | 7.85 | 8.12 | BDL | 1.74 | BDL |
| | A-BLOCK WATCH TOWER | 14.74 | 59.62 | 8.11 | 7.75 | BDL | BDL | BDL |
| 26-10-2023 | SALT WEIGH BRIDGE | 16.20 | 68.72 | 8.24 | 14.58 | BDL | 3.94 | BDL |
| | TWAD PUMP HOUSE | 14.68 | 62.44 | 7.46 | 15.16 | BDL | 3.48 | BDL |
| 27-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 9.74 | 44.86 | 8.02 | 10.28 | BDL | 1.96 | BDL |
| | PVC WATCH TOWER | 9.81 | 45.10 | 7.56 | 8.91 | BDL | 1.80 | BDL |
| 28-10-2023 | TWAD PUMP HOUSE | 13.20 | 55.78 | 8.12 | 10.78 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 7.56 | 38.78 | 6.58 | 8.16 | BDL | BDL | BDL |
| 29-10-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 9.87 | 48.62 | 7.02 | 6.86 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 11.26 | 50.54 | 7.86 | 13.11 | BDL | 3.58 | BDL |
| 30-10-2023 | SALT WEIGH BRIDGE | 13.16 | 56.22 | 8.16 | 7.55 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 10.26 | 49.74 | 9.36 | 11.46 | BDL | 2.50 | BDL |
| 31-10-2023 | TWAD PUMP HOUSE | 13.85 | 57.12 | 8.54 | 7.95 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 10.62 | 47.50 | 8.26 | 14.20 | BDL | 6.18 | BDL |

BDL = < 1 microgram/m³

Checked by:  (Environment Dept)

 Lab Incharge PVC(QC & LAB)

 DGM(QC & LAB)



| AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF NOVEMBER 2023 | | | | | | | | |
|--|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|---------|
| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
| | | Microgram/m ³ | | | | | | |
| | | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max |
| 01-11-2023 | TWAD PUMP HOUSE | 12.26 | 54.64 | 9.16 | 8.54 | BDL | 1.84 | BDL |
| | PVC WATCH TOWER | 11.55 | 50.72 | 8.92 | 13.26 | BDL | 3.48 | BDL |
| 02-11-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 10.78 | 46.54 | 7.48 | 8.12 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 7.51 | 38.62 | 6.54 | 6.98 | BDL | BDL | BDL |
| 03-11-2023 | SALT WEIGH BRIDGE | 12.76 | 50.48 | 8.36 | 8.55 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 11.54 | 44.65 | 7.95 | 14.68 | BDL | 4.46 | BDL |
| 04-11-2023 | TWAD PUMP HOUSE | 14.62 | 60.32 | 8.18 | 13.54 | BDL | 2.54 | BDL |
| | PVC WATCH TOWER | 10.56 | 47.35 | 7.58 | 7.08 | BDL | BDL | BDL |
| 05-11-2023 | SALT WEIGH BRIDGE | 12.26 | 51.32 | 8.12 | 11.35 | BDL | 3.40 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 10.86 | 45.74 | 8.36 | 11.48 | 1.56 | 2.48 | BDL |
| 06-11-2023 | A-BLOCK WATCH TOWER | 9.78 | 43.75 | 9.52 | 9.86 | BDL | 4.14 | BDL |
| | QUARTERS C-3 BLOCK | 7.02 | 36.50 | 8.56 | 7.84 | BDL | BDL | BDL |
| 07-11-2023 | TWAD PUMP HOUSE | 13.86 | 56.70 | 8.95 | 8.68 | BDL | 1.50 | BDL |
| | PVC WATCH TOWER | 12.90 | 54.62 | 7.62 | 12.95 | BDL | 4.10 | BDL |
| 08-11-2023 | SALT WEIGH BRIDGE | 11.26 | 48.12 | 9.15 | 10.30 | BDL | 1.88 | BDL |
| | QUARTERS C-3 BLOCK | 7.08 | 39.16 | 7.86 | 7.54 | BDL | BDL | BDL |
| 09-11-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 10.76 | 45.64 | 6.58 | 7.12 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 11.16 | 50.32 | 8.92 | 13.78 | BDL | 3.82 | BDL |
| 10-11-2023 | SALT WEIGH BRIDGE | 12.82 | 51.18 | 7.46 | 7.65 | BDL | 1.52 | BDL |
| | TWAD PUMP HOUSE | 12.25 | 50.35 | 7.52 | 7.48 | BDL | BDL | BDL |
| 11-11-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 10.80 | 47.64 | 8.13 | 7.56 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 9.56 | 42.45 | 8.86 | 11.80 | BDL | 2.74* | BDL |
| 12-11-2023 | TWAD PUMP HOUSE | 13.26 | 60.16 | 7.48 | 7.54 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 7.58 | 40.78 | 7.08 | 6.88 | BDL | BDL | BDL |
| 13-11-2023 | SALT WEIGH BRIDGE | 14.12 | 60.30 | 7.91 | 7.54 | BDL | 1.50 | BDL |
| | A-BLOCK WATCH TOWER | 12.78 | 52.15 | 8.26 | 14.28 | BDL | 6.12 | BDL |
| 14-11-2023 | TWAD PUMP HOUSE | 15.26 | 58.18 | 8.56 | 8.68 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 13.10 | 50.76 | 8.48 | 12.13 | BDL | 4.56 | BDL |
| 15-11-2023 | SALT WEIGH BRIDGE | 15.68 | 62.38 | 8.51 | 13.36 | BDL | 3.12 | BDL |
| | QUARTERS C-3 BLOCK | 7.58 | 39.24 | 6.52 | 6.68 | BDL | BDL | BDL |

BDL = < 1 microgram/m³

Cont...2

| AMBIENT AIR QUALITY ANALYSIS REPORT - MONTH OF NOVEMBER 2023 | | | | | | | | |
|--|------------------------------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----|
| DATE | STATION (At the top of) | PM _{2.5} | PM ₁₀ | NO _x | SO ₂ | Cl ₂ | NH ₃ | VCM |
| | | Microgram/m ³ | | | | | | |
| | NAAQ Standard | 60 Max | 100 Max | 80 Max | 80 Max | - | 400 Max | - |
| 16-11-2023 | TWAD PUMP HOUSE | 12.70 | 55.47 | 8.28 | 7.54 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 13.46 | 57.68 | 9.16 | 11.78 | BDL | 3.82 | BDL |
| 17-11-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 11.81 | 49.15 | 8.56 | 7.81 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 8.14 | 42.35 | 8.10 | 7.58 | BDL | BDL | BDL |
| 18-11-2023 | SALT WEIGH BRIDGE | 10.55 | 48.76 | 8.56 | 10.56 | BDL | 1.50 | BDL |
| | A-BLOCK WATCH TOWER | 9.86 | 42.12 | 9.15 | 14.60 | BDL | 4.95 | BDL |
| 19-11-2023 | QUARTERS C-3 BLOCK | 7.10 | 36.55 | 6.15 | 6.48 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 8.94 | 40.36 | 7.35 | 10.64 | BDL | 2.56 | BDL |
| 20-11-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 10.75 | 46.28 | 7.51 | 7.28 | BDL | BDL | BDL |
| | A-BLOCK WATCH TOWER | 13.16 | 56.45 | 7.92 | 13.20 | BDL | 3.48 | BDL |
| 21-11-2023 | SALT WEIGH BRIDGE | 10.90 | 50.32 | 7.56 | 8.14 | BDL | 1.68 | BDL |
| | PVC WATCH TOWER | 9.78 | 47.56 | 8.36 | 12.25 | BDL | 1.90 | BDL |
| 22-11-2023 | TWAD PUMP HOUSE | 11.22 | 51.08 | 9.25 | 11.58 | BDL | BDL | BDL |
| | QUARTERS C-3 BLOCK | 7.28 | 37.50 | 6.92 | 7.08 | BDL | BDL | BDL |
| 23-11-2023 | TCEP CHILLED WATER COMPRESSOR ROOM | 9.54 | 48.54 | 7.91 | 11.95 | 2.54 | 3.14 | BDL |
| | PVC WATCH TOWER | 8.68 | 45.68 | 7.45 | 10.81 | BDL | 2.48 | BDL |
| 24-11-2023 | SALT WEIGH BRIDGE | 13.54 | 60.25 | 8.48 | 10.62 | BDL | 1.64 | BDL |
| | A-BLOCK WATCH TOWER | 12.85 | 52.34 | 7.86 | 16.74 | BDL | 5.62 | BDL |
| 25-11-2023 | QUARTERS C-3 BLOCK | 7.56 | 38.15 | 7.15 | 7.58 | BDL | BDL | BDL |
| | PVC WATCH TOWER | 8.65 | 43.28 | 7.69 | 11.56 | BDL | 2.66 | BDL |
| 26-11-2023 | TWAD PUMP HOUSE | 11.75 | 56.18 | 8.25 | 9.78 | BDL | BDL | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 10.62 | 50.34 | 7.24 | 7.76 | BDL | BDL | BDL |
| 27-11-2023 | SALT WEIGH BRIDGE | 12.50 | 59.62 | 8.28 | 7.85 | BDL | 1.50 | BDL |
| | PVC WATCH TOWER | 10.14 | 52.16 | 8.56 | 14.20 | BDL | 3.18 | BDL |
| 28-11-2023 | TWAD PUMP HOUSE | 13.36 | 61.35 | 7.91 | 7.54 | BDL | 1.68 | BDL |
| | A-BLOCK WATCH TOWER | 12.25 | 57.26 | 7.60 | 13.76 | BDL | 4.78 | BDL |
| 29-11-2023 | SALT WEIGH BRIDGE | 11.50 | 51.10 | 7.48 | 9.74 | BDL | 1.58 | BDL |
| | TCEP CHILLED WATER COMPRESSOR ROOM | 9.78 | 48.85 | 8.16 | 7.95 | BDL | BDL | BDL |
| 30-11-2023 | TWAD PUMP HOUSE | 14.22 | 63.46 | 7.51 | 8.36 | BDL | 1.64 | BDL |
| | QUARTERS C-3 BLOCK | 7.98 | 40.32 | 7.86 | 7.28 | BDL | BDL | BDL |

BDL = < 1 microgram/m³

Checked by: (Environment Dept)

Lab Incharge PVC(QC & LAB)

DGM (QC & LAB)

DCW Limited, Sahapuram:



METEOROLOGICAL DATA FOR THE MONTH OF JUNE- 2023

| Date | Relative Humidity % | | | Temperature °C | | Wind | | Rain fall in mm |
|------------|---------------------|---------|---------|----------------|---------|------------------|-------------------------|-----------------|
| | Maximum | Minimum | Average | Maximum | Minimum | Direction (From) | Velocity Kmph (Average) | |
| 01-06-2023 | 83.70 | 51.10 | 69.89 | 38.90 | 27.70 | SW & W | 3.10 | - |
| 02-06-2023 | 83.40 | 53.40 | 68.39 | 38.20 | 27.10 | S & SW | 3.10 | - |
| 03-06-2023 | 84.00 | 53.40 | 70.97 | 38.40 | 28.60 | S & SW | 5.00 | - |
| 04-06-2023 | 84.10 | 50.70 | 68.97 | 38.10 | 28.20 | S & SW | 4.10 | - |
| 05-06-2023 | 83.10 | 49.30 | 68.82 | 38.30 | 27.90 | SW & W | 3.60 | - |
| 06-06-2023 | 83.10 | 50.80 | 65.89 | 37.90 | 27.90 | S & SW | 3.20 | - |
| 07-06-2023 | 77.30 | 47.90 | 63.38 | 39.00 | 29.00 | SW & W | 3.10 | - |
| 08-06-2023 | 77.00 | 48.50 | 63.90 | 38.00 | 27.80 | SW & W | 5.50 | - |
| 09-06-2023 | 75.70 | 46.10 | 61.65 | 38.30 | 27.90 | SW & W | 4.50 | - |
| 10-06-2023 | 74.20 | 46.10 | 59.76 | 38.90 | 27.80 | SW & W | 6.10 | - |
| 11-06-2023 | 72.00 | 48.40 | 61.40 | 38.70 | 28.30 | SW & W | 5.90 | - |
| 12-06-2023 | 81.40 | 47.50 | 66.70 | 39.40 | 27.90 | SW & W | 9.40 | 3.10 |
| 13-06-2023 | 84.50 | 49.60 | 64.81 | 37.50 | 27.60 | SW & W | 8.80 | - |
| 14-06-2023 | 74.00 | 40.40 | 58.80 | 37.60 | 28.70 | SW & W | 7.80 | - |
| 15-06-2023 | 69.10 | 47.80 | 61.13 | 37.90 | 29.70 | SW & W | 9.80 | - |
| 16-06-2023 | 73.00 | 44.70 | 59.79 | 39.10 | 28.70 | SW & W | 10.50 | - |
| 17-06-2023 | 72.30 | 50.00 | 62.23 | 36.60 | 27.30 | SW & W | 9.80 | - |
| 18-06-2023 | 78.40 | 52.60 | 66.30 | 35.50 | 28.30 | SW & W | 10.50 | - |
| 19-06-2023 | 76.80 | 55.20 | 67.83 | 35.70 | 27.60 | SW & W | 12.20 | - |
| 20-06-2023 | 80.30 | 54.70 | 71.11 | 36.30 | 27.60 | SW & W | 9.50 | - |
| 21-06-2023 | 85.70 | 57.30 | 71.22 | 36.20 | 27.70 | S & SE | 9.10 | - |
| 22-06-2023 | 77.60 | 47.60 | 66.37 | 37.30 | 28.10 | SW & W | 7.50 | - |
| 23-06-2023 | 75.30 | 45.60 | 61.93 | 38.30 | 28.40 | W | 8.70 | - |
| 24-06-2023 | 73.00 | 44.50 | 59.95 | 37.30 | 27.70 | W | 10.40 | - |
| 25-06-2023 | 76.10 | 49.20 | 66.19 | 36.10 | 27.70 | SW & W | 9.80 | - |
| 26-06-2023 | 77.60 | 45.60 | 63.27 | 37.50 | 27.30 | W | 12.10 | - |
| 27-06-2023 | 80.40 | 51.30 | 64.72 | 36.80 | 27.20 | W | 8.90 | - |
| 28-06-2023 | 83.10 | 48.30 | 63.94 | 36.60 | 26.90 | SW & W | 9.80 | - |
| 29-06-2023 | 79.40 | 49.70 | 64.05 | 37.40 | 27.40 | W | 11.60 | - |
| 30-06-2023 | 77.90 | 47.10 | 63.57 | 37.90 | 27.40 | W | 10.50 | - |

Asst. Manager (Environment)

Dy. General Manager (Environment)

DCW Limited, Sahapuram.



METEOROLOGICAL DATA FOR THE MONTH OF JULY- 2023

| Date | Relative Humidity % | | | Temperature °C | | Wind | | Rain fall in mm |
|------------|---------------------|---------|---------|----------------|---------|------------------|-------------------------|-----------------|
| | Maximum | Minimum | Average | Maximum | Minimum | Direction (From) | Velocity Kmph (Average) | |
| 01-07-2023 | 72.50 | 49.10 | 62.62 | 37.20 | 28.60 | 232.54 | 5.76 | - |
| 02-07-2023 | 70.50 | 49.30 | 63.49 | 37.10 | 29.70 | 253.38 | 6.00 | - |
| 03-07-2023 | 76.00 | 55.10 | 67.54 | 34.90 | 27.40 | 263.98 | 7.45 | - |
| 04-07-2023 | 74.30 | 59.20 | 66.96 | 32.20 | 27.80 | 246.79 | 6.27 | - |
| 05-07-2023 | 93.20 | 54.90 | 73.08 | 33.90 | 25.10 | 256.75 | 5.83 | 0.40 |
| 06-07-2023 | 93.20 | 57.80 | 75.76 | 34.20 | 25.00 | 262.81 | 4.96 | - |
| 07-07-2023 | 83.40 | 52.90 | 71.70 | 35.20 | 26.30 | 242.71 | 3.86 | - |
| 08-07-2023 | 83.70 | 54.50 | 68.11 | 35.60 | 26.20 | 259.50 | 4.75 | - |
| 09-07-2023 | 78.20 | 49.20 | 66.63 | 36.80 | 28.60 | 225.98 | 5.83 | - |
| 10-07-2023 | 85.30 | 55.10 | 69.06 | 35.00 | 29.10 | 243.90 | 5.40 | - |
| 11-07-2023 | 85.80 | 49.20 | 71.16 | 37.40 | 27.80 | 206.54 | 4.08 | - |
| 12-07-2023 | 79.70 | 47.50 | 64.67 | 37.90 | 27.00 | 229.58 | 3.79 | - |
| 13-07-2023 | 79.40 | 46.30 | 63.68 | 37.60 | 27.30 | 248.52 | 6.05 | - |
| 14-07-2023 | 74.40 | 46.50 | 60.85 | 37.80 | 27.80 | 253.77 | 6.98 | - |
| 15-07-2023 | 69.00 | 47.50 | 62.12 | 37.60 | 28.80 | 242.23 | 5.95 | - |
| 16-07-2023 | 74.70 | 51.40 | 65.19 | 35.90 | 28.40 | 234.73 | 5.83 | - |
| 17-07-2023 | 72.60 | 47.50 | 61.48 | 37.30 | 28.70 | 272.50 | 6.26 | - |
| 18-07-2023 | 81.10 | 45.90 | 63.01 | 36.60 | 26.60 | 246.48 | 6.30 | - |
| 19-07-2023 | 77.40 | 50.50 | 64.53 | 35.70 | 27.20 | 247.17 | 6.55 | - |
| 20-07-2023 | 81.70 | 45.50 | 63.63 | 36.40 | 27.10 | 254.54 | 6.66 | - |
| 21-07-2023 | 75.30 | 45.60 | 61.10 | 36.60 | 28.00 | 265.94 | 8.60 | - |
| 22-07-2023 | 74.70 | 49.30 | 61.95 | 35.90 | 27.10 | 264.40 | 7.29 | - |
| 23-07-2023 | 78.30 | 50.60 | 65.98 | 36.10 | 27.10 | 261.75 | 6.31 | - |
| 24-07-2023 | 75.50 | 48.80 | 64.52 | 36.60 | 26.80 | 260.67 | 5.16 | - |
| 25-07-2023 | 78.30 | 48.80 | 65.30 | 36.30 | 27.30 | 246.67 | 5.40 | - |
| 26-07-2023 | 76.30 | 49.40 | 64.13 | 35.40 | 26.90 | 247.40 | 6.23 | - |
| 27-07-2023 | 72.40 | 45.20 | 60.86 | 36.40 | 27.90 | 254.44 | 7.49 | - |
| 28-07-2023 | 72.00 | 50.60 | 62.50 | 36.10 | 28.40 | 267.35 | 8.30 | - |
| 29-07-2023 | 75.50 | 48.80 | 64.52 | 36.60 | 26.80 | 260.67 | 7.15 | - |
| 30-07-2023 | 78.30 | 45.20 | 62.74 | 36.40 | 27.30 | 249.31 | 6.98 | - |
| 31-07-2023 | 67.80 | 47.50 | 61.31 | 37.60 | 28.70 | 238.58 | 6.67 | - |

F. Nagarajan
Asst. Manager (Environment)

[Signature]
Dy. General Manager (Environment)

DCW Limited, Sahapuram:



METEOROLOGICAL DATA FOR THE MONTH OF AUGUST- 2023

| Date | Relative Humidity % | | | Temperature °C | | Wind | | Rain fall in mm |
|------------|---------------------|---------|---------|----------------|---------|------------------|-------------------------|-----------------|
| | Maximum | Minimum | Average | Maximum | Minimum | Direction (From) | Velocity Kmph (Average) | |
| 01-08-2023 | 74.30 | 59.20 | 66.96 | 32.20 | 27.80 | SW | 8.17 | - |
| 02-08-2023 | 94.30 | 54.90 | 73.08 | 33.90 | 25.10 | SW | 7.25 | - |
| 03-08-2023 | 93.20 | 57.80 | 75.76 | 34.20 | 25.00 | SW | 6.04 | - |
| 04-08-2023 | 83.40 | 52.90 | 71.70 | 35.20 | 26.30 | SW | 7.52 | - |
| 05-08-2023 | 78.20 | 54.50 | 68.11 | 35.60 | 26.20 | SW | 5.02 | - |
| 06-08-2023 | 78.20 | 49.20 | 66.63 | 36.80 | 28.60 | SW | 4.63 | - |
| 07-08-2023 | 85.30 | 55.10 | 69.06 | 35.00 | 29.10 | SW | 4.54 | - |
| 08-08-2023 | 85.80 | 49.20 | 71.16 | 37.40 | 27.80 | SW | 5.29 | - |
| 09-08-2023 | 79.70 | 47.50 | 64.67 | 37.90 | 27.00 | S | 4.17 | - |
| 10-08-2023 | 79.40 | 46.30 | 63.68 | 37.60 | 27.30 | SW | 5.65 | - |
| 11-08-2023 | 74.40 | 46.50 | 60.85 | 37.80 | 27.80 | S | 2.35 | - |
| 12-08-2023 | 69.00 | 47.50 | 62.12 | 37.60 | 28.80 | SW | 6.63 | - |
| 13-08-2023 | 74.70 | 51.40 | 65.19 | 35.90 | 28.40 | SW | 2.00 | - |
| 14-08-2023 | 72.60 | 47.50 | 61.48 | 37.30 | 28.70 | SW | 6.65 | - |
| 15-08-2023 | 81.10 | 45.90 | 63.01 | 36.60 | 26.60 | SW | 3.67 | - |
| 16-08-2023 | 77.40 | 50.50 | 64.41 | 35.70 | 27.20 | SW | 6.42 | - |
| 17-08-2023 | 85.30 | 55.10 | 69.06 | 35.00 | 29.10 | SW | 2.58 | - |
| 18-08-2023 | 85.80 | 49.20 | 71.16 | 37.40 | 27.80 | SW | 5.69 | - |
| 19-08-2023 | 79.70 | 47.50 | 64.67 | 37.90 | 27.00 | S | 1.56 | - |
| 20-08-2023 | 79.40 | 46.30 | 63.68 | 37.60 | 27.30 | SW | 6.79 | - |
| 21-08-2023 | 74.40 | 46.50 | 60.85 | 37.80 | 27.80 | S | 5.46 | - |
| 22-08-2023 | 69.00 | 47.50 | 62.12 | 37.60 | 28.80 | SW | 3.27 | - |
| 23-08-2023 | 74.70 | 51.40 | 65.19 | 35.90 | 28.40 | SW | 5.94 | - |
| 24-08-2023 | 72.60 | 47.50 | 61.48 | 37.30 | 28.70 | SW | 2.83 | - |
| 25-08-2023 | 81.10 | 45.90 | 62.96 | 36.60 | 26.60 | SW | 5.25 | - |
| 26-08-2023 | 94.30 | 54.90 | 73.08 | 33.90 | 25.10 | SW | 2.29 | 0.40 |
| 27-08-2023 | 93.20 | 57.80 | 75.76 | 34.20 | 25.00 | SW | 4.96 | - |
| 28-08-2023 | 83.40 | 52.90 | 71.70 | 35.20 | 26.30 | SW | 2.38 | - |
| 29-08-2023 | 83.70 | 54.50 | 68.11 | 35.60 | 26.20 | SW | 5.46 | - |
| 30-08-2023 | 78.20 | 49.20 | 66.63 | 36.80 | 28.60 | SW | 3.13 | - |
| 31-08-2023 | 85.30 | 55.10 | 69.06 | 35.00 | 29.10 | SW | 4.10 | - |

Asst. Manager (Environment)

Dy. General Manager (Environment)

DCW Limited, Sahapuram:



METEOROLOGICAL DATA FOR THE MONTH OF SEPTEMBER- 2023

| Date | Relative Humidity % | | | Temperature °C | | Wind | | Rain fall in mm |
|------------|---------------------|---------|---------|----------------|---------|------------------|-------------------------|-----------------|
| | Maximum | Minimum | Average | Maximum | Minimum | Direction (From) | Velocity Kmph (Average) | |
| 01-09-2023 | 72.40 | 48.10 | 62.33 | 35.90 | 27.90 | W | 8.02 | - |
| 02-09-2023 | 82.90 | 41.10 | 61.43 | 37.10 | 26.80 | W | 7.44 | 27.50 |
| 03-09-2023 | 75.20 | 40.80 | 59.26 | 37.50 | 27.80 | W | 5.85 | - |
| 04-09-2023 | 72.20 | 43.80 | 59.51 | 36.10 | 28.10 | W | 6.08 | - |
| 05-09-2023 | 82.30 | 49.70 | 65.88 | 34.90 | 27.00 | N & NW | 5.73 | - |
| 06-09-2023 | 82.30 | 48.00 | 67.09 | 35.80 | 26.80 | N & NW | 7.25 | - |
| 07-09-2023 | 81.20 | 49.70 | 64.93 | 34.90 | 27.00 | N & NW | 5.67 | - |
| 08-09-2023 | 75.30 | 48.10 | 63.15 | 35.90 | 27.60 | N & NW | 7.67 | - |
| 09-09-2023 | 82.90 | 41.10 | 61.43 | 37.10 | 26.80 | W | 7.44 | - |
| 10-09-2023 | 75.20 | 40.80 | 59.26 | 37.50 | 27.80 | W | 5.85 | - |
| 11-09-2023 | 71.00 | 43.80 | 57.85 | 36.10 | 28.10 | W | 5.83 | - |
| 12-09-2023 | 70.40 | 40.80 | 57.24 | 37.40 | 27.90 | W | 7.19 | - |
| 13-09-2023 | 84.00 | 47.20 | 67.97 | 36.10 | 27.20 | S & SW | 6.04 | - |
| 14-09-2023 | 83.50 | 47.20 | 66.21 | 36.10 | 27.10 | S & SW | 7.31 | 0.30 |
| 15-09-2023 | 80.70 | 59.40 | 71.98 | 33.70 | 27.20 | S & SW | 9.90 | - |
| 16-09-2023 | 83.90 | 53.30 | 69.34 | 34.30 | 26.20 | S & SW | 10.35 | - |
| 17-09-2023 | 85.60 | 58.10 | 73.82 | 33.10 | 26.80 | S & SW | 9.29 | - |
| 18-09-2023 | 90.40 | 55.90 | 76.99 | 34.60 | 25.70 | S & SW | 7.29 | 6.00 |
| 19-09-2023 | 88.80 | 55.40 | 74.54 | 34.30 | 25.70 | S & SW | 4.17 | - |
| 20-09-2023 | 85.70 | 55.20 | 71.18 | 35.30 | 26.70 | S & SW | 6.06 | - |
| 21-09-2023 | 83.10 | 53.20 | 70.94 | 34.90 | 26.80 | S & SW | 4.98 | - |
| 22-09-2023 | 82.80 | 55.70 | 71.71 | 34.60 | 26.70 | S & SW | 5.50 | - |
| 23-09-2023 | 81.60 | 50.10 | 67.82 | 35.50 | 26.50 | S & SW | 6.17 | - |
| 24-09-2023 | 80.20 | 46.00 | 62.89 | 37.40 | 26.70 | S & SW | 4.90 | - |
| 25-09-2023 | 71.40 | 47.10 | 62.44 | 35.60 | 26.90 | S & SW | 5.67 | - |
| 26-09-2023 | 78.00 | 48.00 | 67.14 | 36.10 | 26.90 | S & SW | 4.94 | 0.60 |
| 27-09-2023 | 80.80 | 44.10 | 65.42 | 37.40 | 26.30 | S & SW | 4.21 | - |
| 28-09-2023 | 79.20 | 42.50 | 63.85 | 36.90 | 26.20 | S & SW | 5.10 | - |
| 29-09-2023 | 79.10 | 56.60 | 70.40 | 33.30 | 27.20 | S & SW | 8.00 | - |
| 30-09-2023 | 85.00 | 58.50 | 71.88 | 33.40 | 26.30 | S & SW | 9.15 | - |

G. L.

Asst. Manager (Environment)

Ray

Dy. General Manager (Environment)

DCW Limited, Sahapuram:



METEOROLOGICAL DATA FOR THE MONTH OF OCTOBER- 2023

| Date | Relative Humidity % | | | Temperature °C | | Wind | | Rain fall in mm |
|------------|---------------------|---------|---------|----------------|---------|------------------|-------------------------|-----------------|
| | Maximum | Minimum | Average | Maximum | Minimum | Direction (From) | Velocity Kmph (Average) | |
| 01-10-2023 | 84.60 | 54.50 | 71.74 | 34.00 | 26.30 | s & sw | 9.17 | - |
| 02-10-2023 | 86.20 | 60.50 | 77.08 | 33.10 | 26.30 | s & sw | 8.46 | - |
| 03-10-2023 | 87.30 | 64.20 | 79.10 | 32.80 | 26.00 | s & sw | 10.42 | - |
| 04-10-2023 | 85.90 | 54.90 | 75.73 | 34.60 | 26.00 | s & sw | 9.25 | - |
| 05-10-2023 | 84.80 | 52.00 | 72.45 | 35.50 | 26.30 | s & sw | 6.90 | - |
| 06-10-2023 | 84.80 | 54.90 | 69.50 | 34.90 | 26.70 | s & sw | 6.13 | - |
| 07-10-2023 | 82.70 | 49.30 | 69.04 | 35.40 | 26.80 | s & sw | 6.79 | - |
| 08-10-2023 | 86.10 | 49.00 | 71.57 | 35.70 | 26.70 | s & sw | 8.92 | - |
| 09-10-2023 | 87.70 | 57.10 | 75.76 | 34.30 | 27.30 | s & sw | 8.06 | - |
| 10-10-2023 | 87.10 | 59.30 | 76.77 | 33.70 | 27.40 | s & sw | 7.60 | - |
| 11-10-2023 | 83.70 | 55.50 | 73.33 | 34.70 | 27.30 | s & sw | 7.75 | - |
| 12-10-2023 | 87.10 | 61.70 | 75.66 | 33.20 | 25.80 | s & sw | 4.65 | - |
| 13-10-2023 | 87.90 | 59.40 | 75.40 | 33.20 | 26.00 | s & sw | 4.88 | - |
| 14-10-2023 | 85.80 | 63.60 | 78.32 | 32.70 | 25.80 | s & sw | 3.58 | - |
| 15-10-2023 | 86.30 | 64.20 | 76.32 | 32.10 | 25.90 | s & sw | 5.13 | - |
| 16-10-2023 | 84.60 | 69.60 | 78.33 | 30.30 | 26.10 | s & sw | 5.33 | - |
| 17-10-2023 | 92.60 | 68.60 | 81.28 | 31.80 | 25.70 | s & sw | 4.56 | 1.40 |
| 18-10-2023 | 93.40 | 58.90 | 82.37 | 32.40 | 25.40 | s & sw | 4.33 | - |
| 19-10-2023 | 93.50 | 67.90 | 81.28 | 31.20 | 25.70 | E & NE | 4.98 | - |
| 20-10-2023 | 88.40 | 68.60 | 79.46 | 31.30 | 25.80 | E & NE | 5.04 | - |
| 21-10-2023 | 90.50 | 56.70 | 75.60 | 33.00 | 25.20 | E & NE | 5.65 | - |
| 22-10-2023 | 88.50 | 61.90 | 77.42 | 32.70 | 26.20 | E & NE | 5.46 | - |
| 23-10-2023 | 87.00 | 60.40 | 78.69 | 32.50 | 26.20 | E & NE | 4.40 | 0.30 |
| 24-10-2023 | 89.40 | 55.10 | 75.16 | 34.10 | 25.40 | E & NE | 5.08 | - |
| 25-10-2023 | 87.50 | 62.80 | 76.22 | 33.20 | 26.50 | E & NE | 4.23 | - |
| 26-10-2023 | 89.90 | 63.20 | 77.95 | 32.50 | 25.60 | E & NE | 6.96 | - |
| 27-10-2023 | 89.30 | 64.00 | 76.76 | 31.90 | 26.20 | E & NE | 7.79 | - |
| 28-10-2023 | 89.30 | 70.90 | 80.81 | 31.20 | 25.80 | E & NE | 7.54 | 1.90 |
| 29-10-2023 | 94.40 | 70.30 | 85.81 | 30.90 | 24.90 | E & NE | 4.04 | 21.30 |
| 30-10-2023 | 95.30 | 75.70 | 86.85 | 29.80 | 23.60 | E & NE | 6.04 | 46.50 |
| 31-10-2023 | 95.00 | 69.80 | 82.21 | 31.10 | 23.60 | E & NE | 7.83 | 0.30 |

CyLh
Asst. Manager (Environment)

Ray
Dy. General Manager (Environment)

DCW Limited, Sahapuram:



METEOROLOGICAL DATA FOR THE MONTH OF NOVEMBER- 2023

| Date | Relative Humidity % | | | Temperature °C | | Wind | | Rain fall in mm |
|------------|---------------------|---------|---------|----------------|---------|------------------|-------------------------|-----------------|
| | Maximum | Minimum | Average | Maximum | Minimum | Direction (From) | Velocity Kmph (Average) | |
| 01-11-2023 | 94.40 | 67.90 | 82.34 | 31.40 | 23.80 | N & NE | 6.88 | 13.00 |
| 02-11-2023 | 95.80 | 75.50 | 87.33 | 30.40 | 24.10 | N & NE | 6.54 | 0.60 |
| 03-11-2023 | 95.30 | 78.70 | 90.17 | 29.50 | 25.20 | N & NE | 4.04 | 22.70 |
| 04-11-2023 | 96.00 | 64.60 | 85.49 | 31.90 | 24.40 | N & NE | 3.58 | 0.30 |
| 05-11-2023 | 94.60 | 62.90 | 83.00 | 32.70 | 24.80 | N & NE | 3.56 | - |
| 06-11-2023 | 94.60 | 67.00 | 80.94 | 31.60 | 24.20 | N & NE | 7.63 | 15.10 |
| 07-11-2023 | 96.00 | 68.50 | 84.49 | 31.20 | 24.00 | N & NE | 6.60 | 0.80 |
| 08-11-2023 | 94.80 | 72.30 | 85.82 | 30.70 | 24.60 | N & NE | 5.35 | 25.30 |
| 09-11-2023 | 96.20 | 74.00 | 85.53 | 29.90 | 23.60 | N & NE | 6.21 | 5.90 |
| 10-11-2023 | 95.50 | 78.20 | 87.36 | 29.90 | 23.80 | N & NE | 6.38 | 2.10 |
| 11-11-2023 | 94.80 | 72.80 | 87.10 | 31.00 | 25.10 | N & NE | 7.42 | 11.50 |
| 12-11-2023 | 91.40 | 66.40 | 78.79 | 31.20 | 25.20 | N & NE | 7.46 | - |
| 13-11-2023 | 84.50 | 66.10 | 77.04 | 30.80 | 25.10 | N & NE | 7.08 | - |
| 14-11-2023 | 87.00 | 64.60 | 76.64 | 30.80 | 25.80 | N & NE | 6.48 | - |
| 15-11-2023 | 87.60 | 59.80 | 76.30 | 32.30 | 24.50 | N & NE | 5.63 | - |
| 16-11-2023 | 88.70 | 66.40 | 77.99 | 30.90 | 25.80 | N & NE | 9.92 | - |
| 17-11-2023 | 89.40 | 72.80 | 81.19 | 30.90 | 26.30 | N & NE | 9.58 | - |
| 18-11-2023 | 92.30 | 71.60 | 82.36 | 31.10 | 25.80 | N & NE | 7.69 | 24.50 |
| 19-11-2023 | 96.30 | 90.70 | 93.24 | 27.20 | 22.90 | N & NE | 5.73 | 81.70 |
| 20-11-2023 | 92.90 | 70.20 | 83.16 | 30.70 | 24.20 | N & NE | 7.40 | - |
| 21-11-2023 | 92.60 | 72.00 | 82.38 | 30.20 | 25.30 | N & NE | 6.50 | 3.30 |
| 22-11-2023 | 93.60 | 72.40 | 86.76 | 31.20 | 25.40 | N & NE | 3.63 | 32.30 |
| 23-11-2023 | 95.80 | 70.90 | 86.02 | 30.20 | 24.00 | N & NE | 3.54 | 2.40 |
| 24-11-2023 | 93.40 | 72.40 | 83.40 | 30.70 | 24.70 | N & NE | 7.10 | - |
| 25-11-2023 | 93.10 | 76.30 | 85.56 | 29.40 | 25.60 | N & NE | 6.65 | 9.50 |
| 26-11-2023 | 93.60 | 71.80 | 82.88 | 30.60 | 24.80 | N & NE | 9.25 | - |
| 27-11-2023 | 92.20 | 70.50 | 83.69 | 30.90 | 25.00 | N & NE | 7.63 | - |
| 28-11-2023 | 90.10 | 66.00 | 80.61 | 30.50 | 25.40 | N & NE | 6.58 | - |
| 29-11-2023 | 93.80 | 72.20 | 83.18 | 30.90 | 25.20 | N & NE | 10.13 | 1.30 |
| 30-11-2023 | 93.20 | 69.10 | 83.13 | 30.70 | 24.80 | N & NE | 7.44 | - |

Asst. Manager (Environment)

Dy. General Manager (Environment)

ON-LINE VCM MONITORING REPORT FOR SAHUPURAM
 (Consolidated Report for the Month of JUNE -2023)

DCW LIMITED (SAHUPURAM)

PVC DIVISION

| Date | Concentration of VCM in ppm | | | | | | | | | |
|------------|-----------------------------|---------------------------|------------------------|---------------------------|------------------------|-----------------------------|-----------------------|---------------------------|--------------------------|----------------|
| | CH-1 Unloading Area | CH-2 VCM Sphere S3 Bottom | CH-3 VCM Sphere S3 Top | CH-4 VCM Sphere S2 Bottom | CH-5 VCM Sphere S2 Top | CH-6 - V5 - V6 Storage Area | CH-7 VC Transfer Area | CH-8 Polymer ground floor | CH-9 Polymer first floor | CH-10 RVC Area |
| | GDS101 | GDS102 | GDS103 | GDS104 | GDS105 | GDS106 | GDS107 | GDS201 | GDS202 | GDS601 |
| 01.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 02.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 03.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 04.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 05.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 06.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 07.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 08.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 09.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.07 | 0.09 | 0.09 |
| 10.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 11.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 12.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 13.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 14.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 15.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 16.06.2023 | 0.07 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 17.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.09 | 0.06 | 0.08 | 0.07 |
| 18.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 19.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 20.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 21.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 22.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 23.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 24.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 25.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 26.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 27.06.2023 | 0.09 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 28.06.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.10 | 0.06 | 0.08 | 0.09 |
| 29.06.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.08 | 0.10 |
| 30.06.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |

Remarks : Norms for Work place : 1ppm (TWA)

P. Ravi
 MANAGER (PVC)

[Signature]
 GM(PVC)

DCW LIMITED (SAHUPURAM)

ON-LINE VCM MONITORING REPORT FOR SAHUPURAM
(Consolidated Report for the Month of JULY -2023)

| Date | Concentration of VCM in ppm | | | | | | | | | |
|------------|-----------------------------|---------------------------|------------------------|---------------------------|------------------------|-----------------------------|-----------------------|---------------------------|--------------------------|----------------|
| | CH-1 Unloading Area | CH-2 VCM Sphere S3 Bottom | CH-3 VCM Sphere S3 Top | CH-4 VCM Sphere S2 Bottom | CH-5 VCM Sphere S2 Top | CH-6 - V5 - V6 Storage Area | CH-7 VC Transfer Area | CH-8 Polymer ground floor | CH-9 Polymer first floor | CH-10 RVC Area |
| | GDS101 | GDS102 | GDS103 | GDS104 | GDS105 | GDS106 | GDS107 | GDS201 | GDS202 | GDS601 |
| 01.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 02.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 03.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 04.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 05.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 06.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 07.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 08.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 09.07.2023 | 0.08 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 10.07.2023 | 0.02 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 11.07.2023 | -0.02 | 0.04 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.05 | 0.07 | 0.09 |
| 12.07.2023 | 0.00 | 0.03 | 0.00 | 0.04 | 0.00 | 0.04 | 0.08 | 0.04 | 0.06 | 0.07 |
| 13.07.2023 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.08 | 0.04 | 0.06 | 0.07 |
| 14.07.2023 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15.07.2023 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16.07.2023 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17.07.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18.07.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19.07.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.04 | 0.05 | 0.06 |
| 20.07.2023 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.04 | 0.05 | 0.06 |
| 21.07.2023 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.04 | 0.05 | 0.06 |
| 22.07.2023 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 23.07.2023 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 24.07.2023 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 25.07.2023 | 0.03 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 26.07.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 27.07.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 28.07.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.05 | 0.06 | 0.07 | 0.08 |
| 29.07.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.05 | 0.06 | 0.07 | 0.08 |
| 30.07.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.06 | 0.08 | 0.08 | 0.09 |
| 31.07.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.06 | 0.08 | 0.08 | 0.09 |

Remarks : Norms for Work place : 1ppm (TWA)


MANAGER (PVC)


GM(PVC)

ON-LINE VCM MONITORING REPORT FOR SAHUPURAM
(Consolidated Report for the Month of AUGUST -2023)

DCW LIMITED (SAHUPURAM)

| Date | Concentration of VCM in ppm | | | | | | | | | |
|------------|-----------------------------|---------------------------|------------------------|---------------------------|------------------------|-----------------------------|-----------------------|---------------------------|--------------------------|----------------|
| | CH-1 Unloading Area | CH-2 VCM Sphere S3 Bottom | CH-3 VCM Sphere S3 Top | CH-4 VCM Sphere S2 Bottom | CH-5 VCM Sphere S2 Top | CH-6 - V5 - V6 Storage Area | CH-7 VC Transfer Area | CH-8 Polymer ground floor | CH-9 Polymer first floor | CH-10 RVC Area |
| | GDS101 | GDS102 | GDS103 | GDS104 | GDS105 | GDS106 | GDS107 | GDS201 | GDS202 | GDS601 |
| 01.08.2023 | 0.01 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 |
| 02.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 03.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 04.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 05.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 06.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 07.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 08.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 09.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 10.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 11.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 12.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.07 |
| 13.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 14.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 15.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 16.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 17.08.2023 | 0.05 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 18.08.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.05 | 0.06 | 0.05 |
| 19.08.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.06 | 0.07 | 0.07 |
| 20.08.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.06 | 0.07 | 0.07 |
| 21.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.04 | 0.06 | 0.07 | 0.07 |
| 22.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.05 | 0.07 | 0.08 | 0.08 |
| 23.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.02 | 0.05 | 0.07 | 0.08 | 0.08 |
| 24.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 |
| 25.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 |
| 26.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 |
| 27.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 |
| 28.08.2023 | 0.07 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 |
| 29.08.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.07 | 0.08 | 0.08 |
| 30.08.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.08 |
| 31.08.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |

Remarks : Norms for Work place : 1ppm (TWA)

Ravi
MANAGER (PVC)

GM
GM(PVC)

ON-LINE VCM MONITORING REPORT FOR SAHUPURAM
(Consolidated Report for the Month of SEPTEMBER -2023)

DCW LIMITED (SAHUPURAM)

PVC DIVISION

| Date | Concentration of VCM in ppm | | | | | | | | | |
|------------|-----------------------------|---------------------------|------------------------|---------------------------|------------------------|-----------------------------|-----------------------|---------------------------|--------------------------|----------------|
| | CH-1 Unloading Area | CH-2 VCM Sphere S3 Bottom | CH-3 VCM Sphere S3 Top | CH-4 VCM Sphere S2 Bottom | CH-5 VCM Sphere S2 Top | CH-6 - V5 - V6 Storage Area | CH-7 VC Transfer Area | CH-8 Polymer ground floor | CH-9 Polymer first floor | CH-10 RVC Area |
| | GDS101 | GDS102 | GDS103 | GDS104 | GDS105 | GDS106 | GDS107 | GDS201 | GDS202 | GDS601 |
| 01.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 02.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 03.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 04.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 05.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 06.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 07.09.2023 | 0.08 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 08.09.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.07 | 0.08 | 0.07 |
| 09.09.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.06 | 0.07 | 0.06 |
| 10.09.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.06 | 0.07 | 0.06 |
| 11.09.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.06 | 0.07 | 0.06 |
| 12.09.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.06 | 0.07 | 0.06 |
| 13.09.2023 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.06 | 0.07 | 0.06 |
| 14.09.2023 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15.09.2023 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16.09.2023 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 17.09.2023 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 18.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 19.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 20.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 21.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 22.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 23.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 24.09.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 25.09.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.04 | 0.05 | 0.04 |
| 26.09.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 27.09.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 28.09.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 29.09.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 30.09.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |

Remarks : Norms for Work place : 1ppm (TWA)

R. Ravi
MANAGER (PVC)

[Signature]
GM(PVC)

DCW LIMITED (SAHUPURAM)

ON-LINE VCM MONITORING REPORT FOR SAHUPURAM
(Consolidated Report for the Month of OCTOBER -2023)

| Date | Concentration of VCM in ppm | | | | | | | | | |
|------------|-----------------------------|---------------------------|------------------------|---------------------------|------------------------|-----------------------------|-----------------------|---------------------------|--------------------------|----------------|
| | CH-1 Unloading Area | CH-2 VCM Sphere S3 Bottom | CH-3 VCM Sphere S3 Top | CH-4 VCM Sphere S2 Bottom | CH-5 VCM Sphere S2 Top | CH-6 - V5 - V6 Storage Area | CH-7 VC Transfer Area | CH-8 Polymer ground floor | CH-9 Polymer first floor | CH-10 RVC Area |
| | GDS101 | GDS102 | GDS103 | GDS104 | GDS105 | GDS106 | GDS107 | GDS201 | GDS202 | GDS601 |
| 01.10.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 02.10.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 03.10.2023 | 0.06 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 04.10.2023 | 0.03 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 05.10.2023 | 0.03 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 06.10.2023 | 0.03 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 07.10.2023 | 0.03 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 08.10.2023 | 0.03 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 09.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 10.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 11.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 12.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 13.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 14.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 15.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 16.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 17.10.2023 | 0.05 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 18.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 19.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 20.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 21.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 22.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 23.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 24.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 25.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 26.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 27.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 28.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 29.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 30.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |
| 31.10.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.07 | 0.06 | 0.06 | 0.07 |

Remarks : Norms for Work place : 1ppm (TWA)

Pran
MANAGER (PVC)

[Signature]
GM(PVC)

ON-LINE VCM MONITORING REPORT FOR SAHUPURAM
 (Consolidated Report for the Month of NOVEMBER -2023)

DCW LIMITED (SAHUPURAM)

PVC DIVISION

| Date | Concentration of VCM in ppm | | | | | | | | | |
|------------|-----------------------------|---------------------------|------------------------|---------------------------|------------------------|-----------------------------|-----------------------|---------------------------|--------------------------|----------------|
| | CH-1 Unloading Area | CH-2 VCM Sphere S3 Bottom | CH-3 VCM Sphere S3 Top | CH-4 VCM Sphere S2 Bottom | CH-5 VCM Sphere S2 Top | CH-6 - V5 - V6 Storage Area | CH-7 VC Transfer Area | CH-8 Polymer ground floor | CH-9 Polymer first floor | CH-10 RVC Area |
| | GDS101 | GDS102 | GDS103 | GDS104 | GDS105 | GDS106 | GDS107 | GDS201 | GDS202 | GDS601 |
| 01.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 02.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 03.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 04.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 05.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 06.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 07.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 08.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 09.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 10.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.03 | 0.06 | 0.06 | 0.08 | 0.09 |
| 11.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 12.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 13.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 14.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 15.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 16.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 17.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 18.11.2023 | 0.08 | 0.02 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 19.11.2023 | 0.08 | 0.07 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 20.11.2023 | 0.08 | 0.07 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 21.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 |
| 22.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 23.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 24.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 25.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 26.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 27.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 28.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 29.11.2023 | 0.06 | 0.03 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |
| 30.11.2023 | 0.07 | 0.02 | 0.00 | 0.02 | 0.00 | 0.04 | 0.06 | 0.06 | 0.07 | 0.08 |

Remarks : Norms for Work place : 1ppm (TWA)

[Signature]
 MANAGER (PVC)

[Signature]
 GM(PVC)



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Thoothukudi.

AMBIENT AIR QUALITY SURVEY - REPORT OF ANALYSIS

Report. F. No. 04/DEL-TTN/AAQS/2023-2024 Dated: 23.08.2023

| | | |
|----|-------------------------|---|
| 1. | Name of the Industry | : M/s. DCW Ltd., Caustic Soda , PVC Divisions & Cogen Divisions |
| 2. | Address of the Industry | : Sabapuram, Tiruchendur Taluk, Thoothukudi District - 628 229. |
| 3. | Date of Survey | : 18.07.2023 & 19.07.2023 |
| 4. | Duration of survey | : 24 hours |
| 5. | Category/Classification | : Red / Large |
| 6. | Land use classification | : Industrial |

Meteorological Conditions

| Ambient Temperature (°C) | Min | Max | Relative Humidity (%) | Min | Max |
|----------------------------|-----------|------|-------------------------|-------|-------|
| | 27.2 | 36.2 | | 46.4% | 77.4% |
| Weather condition | Clear Sky | | Rain Fall (mm) | Nil | |
| Predominant Wind Direction | SW to NE | | Mean Wind Speed (Km/hr) | 6.6 | |

Ambient Air Quality Survey Results

| Sl. No | Location of Sampling | Direction * | Distance * (M) | Height from ground level | Concentration in $\mu\text{g} / \text{m}^3$ PM ₁₀ | | | |
|--------|---|-------------|----------------|--------------------------|--|-------|-------|-------|
| | | | | | I | II | III | AVG. |
| 1 | On top of Scrap yard watch tower at NE boundary | NE | 520 | 4.0 | 43.56 | 28.22 | 36.55 | 36.11 |
| 2 | On top of 'E' block watch tower building at SE boundary | SE | 1540 | 4.0 | 53.98 | 32.01 | 28.98 | 38.32 |
| 3 | On top of PVC watch tower building at South boundary | S | 820 | 4.0 | 65.72 | 36.17 | 34.47 | 45.45 |
| 4 | On top of C3 staff Quarters building in Housing Colony at South West boundary | SW | 570 | 4.0 | 41.67 | 29.73 | 33.71 | 35.04 |
| 5 | On top of TCEP chilled water Compressor room at NW boundary | NW | 250 | 4.0 | 78.98 | 61.36 | 59.28 | 66.54 |

Note: * With respect to major emission sources.
The analytical results are restricted to the sampling period only.

| Test Performed | Test Method |
|------------------|---|
| PM ₁₀ | IS 5182: (Part 23) - 2006 |
| SO ₂ | Modified wet - Graefe / IS 5182: (Part 2) - 2001 RA: 2012 |
| NO ₂ | Jacobs - Hochheiser / IS 5182: (Part 6) - 2006 RA: 2012 |
| NH ₃ | Indo phenol Method |
| Cl ⁻ | Methyl Orange Method |

[Signature]
Environmental Scientist

[Signature]
Deputy Chief Scientific Officer,
DEL, TNPCB, Thoothukudi-8.



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Thoothukudi.
AMBIENT AIR QUALITY SURVEY - REPORT OF ANALYSIS

Report. F. No. 04/DEL-TTN/AAQS/2023-2024 Dated: 23.08.2023

| | |
|----------------------------|---|
| 1. Name of the Industry | : M/s. DCW Ltd., Caustic Soda, PVC Divisions & Cogen Divisions |
| 2. Address of the Industry | : Sabapuram, Tiruchendur Taluk, Thoothukudi District - 628 229. |
| 3. Date of Survey | : 18.07.2023 & 19.07.2023 |
| 4. Duration of survey | : 24 hours |
| 5. Category/Classification | : Red / Large |
| 6. Land use classification | : Industrial |

Meteorological Conditions

| | | | | | |
|----------------------------|-------------|-------------|-------------------------|--------------|--------------|
| Ambient Temperature (°C) | Min 27.2 | Max 36.2 | Relative Humidity (%) | Min 46.4% | Max 77.2% |
| Weather condition | Clear Sky | | Rain Fall (mm) | Nil | |
| Predominant Wind Direction | SW to NE | | Mean Wind Speed (Km/hr) | 6.6 | |

Ambient Air Quality Survey Results

| Sl. No | Location of Sampling | Direction * | Distance * (M) | Height from ground level | Concentration in $\mu\text{g} / \text{m}^3 \text{SO}_2$ | | | |
|--------|---|-------------|----------------|--------------------------|---|------|------|------|
| | | | | | I | II | III | AVG. |
| 1 | On top of Scrap yard watch tower at NE boundary | NE | 520 | 4.0 | 6.24 | 4.46 | 5.35 | 5.35 |
| 2 | On top of 'E' block watch tower building at SE boundary | SE | 1540 | 4.0 | 6.54 | 4.16 | 5.65 | 5.45 |
| 3 | On top of PVC watch tower building at South boundary | S | 820 | 4.0 | 7.73 | 4.46 | 5.05 | 5.75 |
| 4 | On top of C3 staff Quarters building in Housing Colony at South West boundary | SW | 570 | 4.0 | 5.35 | 4.76 | 4.16 | 4.76 |
| 5 | On top of TCEP chilled water Compressor room at NW boundary | NW | 250 | 4.0 | 10.70 | 6.54 | 8.32 | 8.52 |

Note: * With respect to major emission sources.
The analytical results are restricted to the sampling period only.

| Test Performed | Test Method |
|------------------|--|
| PM ₁₀ | IS 5182: (Part 23) - 2006 |
| SO ₂ | Modified west - Graebe / IS 5182: (Part 2) - 2001 RA: 2012 |
| NO ₂ | Jacobs - Hochheiser / IS 5182: (Part 6) - 2006 RA: 2012 |
| NH ₃ | Indo-phenol Method |
| Cl ⁻ | Methyl Orange Method |

Environmental Scientist

Deputy Chief Scientific Officer,
DEL, TNPCB, Thoothukudi-8.



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Thoothukudi.

AMBIENT AIR QUALITY SURVEY - REPORT OF ANALYSIS

Report. F. No. 04/DEL-TTN/AAQS/2023-2024 Dated: 23.08.2023

| | | |
|----|-------------------------|---|
| 1. | Name of the Industry | : M/s. DCW Ltd., Caustic Soda, PVC Divisions & Cogen Divisions |
| 2. | Address of the Industry | : Sahapuram, Tiruchendur Taluk, Thoothukudi District - 628 229. |
| 3. | Date of Survey | : 18.07.2023 & 19.07.2023 |
| 4. | Duration of survey | : 24 hours |
| 5. | Category/Classification | : Red / Large |
| 6. | Land use classification | : Industrial |

Meteorological Conditions

| Ambient Temperature (°C) | Min | Max | Relative Humidity (%) | Min | Max |
|----------------------------|-----------|------|-------------------------|-------|-------|
| | 27.2 | 36.2 | | 46.4% | 77.4% |
| Weather condition | Clear Sky | | Rain Fall (mm) | Nil | |
| Predominant Wind Direction | SW to NE | | Mean Wind Speed (Km/hr) | 6.6 | |

Ambient Air Quality Survey Results

| Sl. No. | Location of Sampling | Direction + Distance * (m) | Height from ground level | Concentration in $\mu\text{g} / \text{m}^3 \text{NO}_2$ | | | |
|---------|---|----------------------------|--------------------------|---|-------|-------|-------|
| | | | | I | II | III | AVG. |
| 1 | On top of Scrap yard watch tower at NE boundary | NE 520 | 4.0 | 16.82 | 13.32 | 15.32 | 15.15 |
| 2 | On top of 'E' block watch tower building at SE boundary | SE 1540 | 4.0 | 13.66 | 11.33 | 14.32 | 13.10 |
| 3 | On top of PVC watch tower building at South boundary | S 820 | 4.0 | 14.66 | 12.32 | 15.82 | 14.27 |
| 4 | On top of C3 staff Quarters building in Housing Colony at South West boundary | SW 570 | 4.0 | 10.66 | 8.66 | 11.66 | 10.33 |
| 5 | On top of TCEP chilled water Compressor room at NW boundary | NW 250 | 4.0 | 20.99 | 15.66 | 17.99 | 18.21 |

Note: * With respect to major emission sources.

The analytical results are restricted to the sampling period only.

| Test Performed | Test Method |
|------------------|--|
| PM ₁₀ | IS 5182: (Part 23) - 2006 |
| SO ₂ | Modified west - Graeke / IS 5182: (Part 2) - 2001 RA: 2012 |
| NO ₂ | Jacobs - Hochheiser / IS 5182: (Part 6) - 2006 RA: 2012 |
| NH ₃ | Indo phenol Method |
| Cl ⁻ | Methyl Orange Method |

Environmental Scientist

Deputy Chief Scientific Officer,
DEL, TNPCB, Thoothukudi-S.



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Thoothukudi.

AMBIENT AIR QUALITY SURVEY - REPORT OF ANALYSIS

Report. F. No. 04/DEL-TTN/AAQS/2023-2024 Dated: 23.08.2023

| | |
|----------------------------|---|
| 1. Name of the Industry | : M/s. DCW Ltd., Caustic Soda, PVC Divisions & Cogen Divisions |
| 2. Address of the Industry | : Sahapuram, Tiruchendur Taluk, Thoothukudi District - 628 229. |
| 3. Date of Survey | : 18.07.2023 & 19.07.2023 |
| 4. Duration of survey | : 24 hours |
| 5. Category/Classification | : Red / Large |
| 6. Land use classification | : Industrial |

Meteorological Conditions

| Ambient Temperature (°C) | Min | Max | Relative Humidity (%) | Min | Max |
|----------------------------|-----------|------|-------------------------|-------|-------|
| | 27.2 | 36.2 | | 46.4% | 77.4% |
| Weather condition | Clear Sky | | Rain Fall (mm) | Nil | |
| Predominant Wind Direction | SW to NE | | Mean Wind Speed (Km/hr) | 5.6 | |

Ambient Air Quality Survey Results

| Sl. No | Location of Sampling | Direction * | Distance * (M) | Height from ground level | Concentration in $\mu\text{g}/\text{m}^3$ Chlorine | | | |
|--------|---|-------------|----------------|--------------------------|--|------|------|------|
| | | | | | I | II | III | AVG. |
| 1 | On top of Scrap yard watch tower at NE boundary | NE | 520 | 4.0 | 4.99 | 3.62 | 4.30 | 4.30 |
| 2 | On top of 'E' block watch tower building at SE boundary | SE | 1540 | 4.0 | 3.96 | 3.10 | 3.62 | 3.56 |
| 3 | On top of PVC watch tower building at South boundary | S | 820 | 4.0 | 6.37 | 4.48 | 5.51 | 5.45 |
| 4 | On top of CS staff Quarters building in Housing Colony at South West boundary | SW | 570 | 4.0 | 2.41 | 1.72 | 2.75 | 2.29 |
| 5 | On top of TCEP chilled water Compressor room at NW boundary | NW | 250 | 4.0 | 7.06 | 4.99 | 6.37 | 6.14 |

Note: * With respect to major emission sources.
The analytical results are restricted to the sampling period only.

| Test Performed | Test Method |
|------------------|---|
| PM ₁₀ | IS 5182: (Part 23) - 2006 |
| SO ₂ | Modified wet - Gracke / IS 5182: (Part 2) - 2001 RA: 2012 |
| NO ₂ | Iscoabs - Hochreiser / IS 5182: (Part 6) - 2006 RA: 2012 |
| NH ₃ | Indo phenol Method |
| Cl | Methyl Orange Method |

Environmental Scientist

Deputy Chief Scientific Officer,
DEL, INPCB, Thoothukudi-8.



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Thoothukudi - 8.

STACK MONITORING SURVEY - REPORT OF ANALYSIS

Report F.No. 04/DEL - TTN/SM/ 2023-2024, Dated: 23.08.2023

1. Name of the Industry : M/s. DCW Ltd.,
Caustic Soda, PVC Divisions & Cogen divisions
2. Address of the Industry : Sahupuram,
Tiruchendur Taluk,
Thoothukudi District - 628 229.
3. Date of Survey : 15.07.2023 & 19.07.2023
4. Type of Industry : Caustic Soda

STACK MONITORING SURVEY RESULTS

| Sl. No | Stack attached to | Stack Temp. (°K) | Velocity in (M/sec) | Discharge Rate (Nm ³ / Hour) | Pollutants (mg / m ³) | | | | | |
|--------|--------------------------------------|------------------|---------------------|---|-----------------------------------|-----------------|-----------------|-----------------|------|----------|
| | | | | | PM | SO ₂ | NO _x | NH ₃ | HCL | Chlorine |
| 1. | Cogen Boiler II (sampled at duck) | 423 | 14.1867 | 131028 | 13.92 | 56.89 | 98.98 | - | - | - |
| 2. | Fluidized Bed Dryer Exhaust | 315 | 14.8936 | 14355 | 26.46 | - | - | - | - | - |
| 3. | Roaster - IV | 358 | 8.4178 | 4944 | 88.33 | 16.00 | 39.97 | - | - | - |
| 4. | UG I Calciner-1 | 501 | 17.7385 | 10734 | 49.38 | 24.0 | 31.41 | - | - | - |
| 5. | Caustic Fusion Salt heater | 394 | 4.7430 | 6488 | 61.44 | 13.33 | 22.84 | - | - | - |
| 6. | Hypo Vent | - | - | - | - | - | - | - | - | 1.38 |
| 7. | HCL Furnace -V | - | - | - | - | - | - | - | 5.47 | - |

| Test Performed | Test Method |
|------------------|---|
| PM ₁₀ | IS 5182: (Part 23) - 2006 |
| SO ₂ | Modified west - Graeke / IS 5182 : (Part 2) - 2001 RA: 2012 |
| NO _x | Jacobs - Hochheiser / IS 5182: (Part 6) - 2006 RA : 2012 |
| NH ₃ | Indo phenol Method |
| Cl | Methyl Orange Method |

Environmental Scientist

Deputy Chief Scientific Officer,
DEL, TNPCB, Thoothukudi-8.



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Thoothukudi - 8.

AMBIENT/SOURCE NOISE LEVEL SURVEY - REPORT OF ANALYSIS

Report No.F.No.: 04/DEL - TTN/NLS/2023-2024. Dated: 23.08.2023

| | | |
|----------------------------|-------------------------|---|
| 1. | Name of the Industry | M/s. D.C.W Ltd., Caustic Soda, PVC Divisions & Cogen divisions |
| 2. | Address of the Industry | Sahuparam, Tiruchendur Taluk, Thoothukudi District - 628 229. |
| 3. | Date of Survey | 19.07.2023 |
| Category | Red / Large | Land use Classification : Industrial |
| Type of Survey | Ambient / Source | Time of Survey : Day |
| Meteorological conditions: | | Clear |

Logging Parameters

| | | | | | |
|------------------|--------------------------|-----------------|---------------------|-----------|-----|
| Instrument Used | CASELLA | Serial No. | 2206825 | | |
| Logging Interval | 10 Minutes at each point | Measuring Range | 60-120 | | |
| Weighting | "A" | Peak Weighting | "C" | Weighting | "A" |
| Sound Incidence | RANDOM | Time in hrs. | 14.15 to 15.45 hrs. | | |

Report of Noise Level Monitoring

| Sl. No. | Location | Duration (min) | Approximate Distance (M) | Direction | Sound Level dB (A) | | |
|---------|---|----------------|--------------------------|-----------|--------------------|-------|-------|
| | | | | | Leq | L Min | L Max |
| 1. | NE boundary Near scrap yard watch tower | 10 | 600 | NE | 46.5 | 40.9 | 62.2 |
| 2. | SE boundary Near Salt storage yard | 10 | 500 | SE | 54.1 | 45.7 | 63.1 |
| 3. | SW boundary Near ETP Sludge SLF PS 4 | 10 | 600 | SW | 55.8 | 47.9 | 67.2 |
| 4. | NW boundary Near TCEP Chilled water compressor room | 10 | 300 | NW | 60.9 | 49.6 | 80.7 |
| 5. | Source: Caustic Soda Compressor Unit | 10 | - | - | 72.4 | 67.7 | 87.4 |

NOTE:

Leq - value is the average energy for the measured period.


Environmental Scientist


Deputy Chief Scientific Officer,
DEL, INPCB, Thoothukudi - 8.



TAMILNADU POLLUTION CONTROL BOARD

District Environmental Laboratory, Thoothukudi - 8.

Report F. No. 04/DEL-TTN/AAQS/SM/2023-2024, Dt: 23.08.2023

1. Name of Industry : M/s. DCW Ltd.,
Caustic Soda, PVC Divisions & Cogen Divisions
2. Pollution Category : Red / Large
3. Date of AAQ Survey : 18.07.2023 & 19.07.2023
4. Predominant Wind Direction : SW to NE
5. Weather condition : Clear Sky

STATUS OF POLLUTANTS LEVEL

I. AMBIENT AIR QUALITY:-

1. Total No. of AAQ stations monitored : 5 (24 Hours)
2. No. of AAQ stations in which Pollutants Level exceeded the Board's standards : NIL.

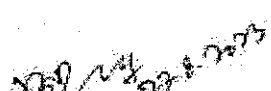
Maximum and Minimum values of Pollutants Level observed:

| Sl. No | POLLUTANT | Values in microgram/m ³ | | BOARD'S STANDARD (As per consent order) |
|--------|--|------------------------------------|---------|---|
| | | Maximum | Minimum | |
| 1. | <u>Respirable Suspended Particulate Matter</u> PM ₁₀ | 78.98 | 28.22 | 100 µg/m ³ |
| 2. | <u>GASEOUS POLLUTANTS:-</u> | | | |
| | (i) SO ₂ | 10.70 | 4.16 | 80 µg/m ³ |
| | (ii) NO ₂ | 20.99 | 8.66 | 80 µg/m ³ |
| | (iii) Cl ⁻ | 7.06 | 1.72 | --- |

II. STACK MONITORING:-

1. Total No. of Stacks Monitored : 07
2. No. of Stacks in which Pollutants Level exceeded the Board's standards : Nil


Environmental Scientist


Deputy Chief Scientific Officer,
DEL, TNPCB, Thoothukudi - 8.