



Ref. No. GRCD/EHS/91

Date: 31.05.2020

To,  
The Director,  
Ministry of Environment & Forests,  
Government of India,  
Paryavaran Bhawan, C.G.O. Complex,  
Lodhi Road, New Delhi.

**Subject:** Submission of Half Yearly Compliance Report (Oct.,2020-March,2021) for Expansion of Caustic Chlorine products from and value added derivatives along with installation of new Chloromethane plant, Village: Birlagram, Tehsil: Nagda, District: Ujjain, M.P. by M/s Grasim Industries Ltd. (Chemical Division)

Ref.: EC letter no.: F. No. J-11011/119/2015-IA.II(1) dated 07.01.2020

Dear Sir,

This has reference to above subject and EC Letter No., we are herewith submitting the Half Yearly Compliance Report (Oct.,2020-March,2021) for the conditions stipulated in Environment Clearance letter issued by MoEF, New Delhi for Expansion of Caustic chlorine products from and value added derivatives along with installation of new chloromethane plant, Village: Birlagram, Tehsil: Nagda, District Ujjain, M.P. by M/s Grasim Industries Ltd. (Chemical Division).

We hope you will find our reply in order.

Thanking You with regards,

Yours Faithfully,  
M/s Grasim Industries Ltd. (Chemical Division)

(Authorized Signatory)  
(Prem Tiwari, President)

Grasim Industries Limited

Chemical Division

Birlagram - 456 331, Nagda (M.P.) INDIA Tele: +91 7366 246760-66 Fax: +91 7366 246176, 246767  
E-mail: grasimchem@adityabirla.com Website: www.adityabirlachemicals.com CIN: L17124MP1947PLC000410

Regd. Office: P.O. Birlagram, Nagda - 456 331 (M.P.)



Ref. No. GRCD/EHS/93

Date: 31.05.2021

To,  
The Member Secretary  
Madhya Pradesh Pollution Control Board,  
Paryavaran Parisar, E-5, Area Colony,  
Bhopal-462016 (MP)

**Subject:** Submission of Half Yearly Compliance Report (Oct., 2020 - March, 2021) for Expansion of Caustic Chlorine products from and value added derivatives along with installation of new Chloromethane plant, Village: Birlagram, Tehsil: Nagda, District: Ujjain, M.P. by M/s Grasim Industries Ltd. (Chemical Division)

Ref.: EC letter no.: F. No. J-11011/119/2015-IA.II(I) dated 07.01.2020;

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Regd. Office : P.O. Birlagram, Nagda - 456 331 (M.P.)



Ref. No. GRCD/EHS/92

Date: 31.05.2021

To,  
Deputy Director General of Forests (C),  
Ministry of Environment, Forest and Climate Change,  
Regional Office (WZ),  
E-5, Kendriya Paryavaran Bhawan  
Ravishankar Nagar, Bhopal-462016

**Subject:** Submission of Half Yearly Compliance Report (Oct.,2020-March,2021) for Expansion of Caustic Chlorine products from and value added derivatives along with installation of new Chloromethane plant, Village: Birlagram, Tehsil: Nagda, District: Ujjain, M.P. by M/s Grasim Industries Ltd. (Chemical Division)

**Ref.:** EC letter no.: F. No. J-11011/119/2015-IA.II(I) dated 07.01.2020

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This has reference to above subject and EC Letter No., we are herewith submitting the Half Yearly Compliance Report (Oct.,2020-March,2021) for the conditions stipulated in Environment Clearance letter issued by MoEF, New Delhi for Expansion of Caustic chlorine products from and value added derivatives along with installation of new chloromethane plant, Village: Birlagram, Tehsil: Nagda, District Ujjain, M.P. by M/s Grasim Industries Ltd. (Chemical Division).

We hope you will find our reply in order.

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(Prem Tiwari, President)

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Birlagram - 456 331, Nagda (M.P.) INDIA Tele: +91 7366 246760-66 Fax: +91 7366 246176, 246767

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Regd. Office: P.O. Birlagram, Nagda - 456 331 (M.P.)

# HALF YEARLY ENV.COMPLIANCE REPORT (October, 2020 to March, 2021)

Expansion of Caustic chlorine products from and value added derivatives along with installation of new chloromethane plant

EC letter no.: F. No. J-11011/119/2015-IA.II(I) dated 07.01.2020



Submitted To



**M/S Grasim Industries Ltd.**

(Chemical Division)  
Village: Birlagram, Tehsil: Nagda,  
District: Ujjain  
Madhya Pradesh

Submitted By



**M/S J.M. EnviroNet Pvt. Ltd.**

(Registered EIA Consultant Organization from NABET-QCI)  
Unit No. 1517, Tower -B, EMAAR DIGITAL GREENS,  
Golf Course Extension Road, Sector-61,  
Gurugram-122011(Haryana)  
E-Mail: [jmenviron@hotmail.com](mailto:jmenviron@hotmail.com)

**May, 2021**

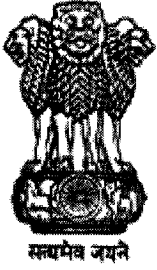
**Environment clearance letter**

**and**

**Sector specific conditions as**

**per MOEFCC, OM dated**

**09.08.2018**



**F. No. J-11011/119/2015-IA-II (I)**  
Government of India  
Ministry of Environment, Forest & Climate Change  
Impact Assessment Division

\*\*\*

Indira Paryavaran Bhavan,  
Vayu Wing, 3<sup>rd</sup> Floor, Aliganj,  
Jor Bagh Road, New Delhi-110 003

Dated: 7<sup>th</sup> January, 2020

To,

**M/s Grasim Industries Ltd.,**  
Village- Birlagram, Nagda,  
District-Ujjain-456 331 (Madhya Pradesh)

**Sub: Expansion of Caustic Chlorine Products from and Value Added Derivatives along with installation of new Chloromethane Plant by M/s Grasim Industries Ltd. (Chemical Division) at Birlagram, Nagda, District Ujjain (Madhya Pradesh) – Environmental Clearance reg.**

Sir,

This has reference to your online proposal No.IA/MP/IND2/26969/2015, dated 30<sup>th</sup> September, 2019 along with the EIA/EMP report and Public hearing proceedings for the above mentioned project.

2. The details of proposed products are as under –

| S. No.    | Particulars                        | Existing (TPA) | Additional (TPA) | Total (TPA) |
|-----------|------------------------------------|----------------|------------------|-------------|
| <b>A.</b> | <b>Main Products</b>               |                |                  |             |
| 1.        | Caustic Soda                       | 270000         | 180000           | 450000      |
| 2.        | Poly Aluminum Chloride             | 27720          | 137280           | 165000      |
| 3.        | Stable Bleaching Powder            | 29436          | 25314            | 54750       |
| 4.        | Chlorinated Paraffin               | 27000          | 18645            | 45645       |
| 5.        | Chloromethane                      | Nil            | 36000            | 36000       |
| 6.        | Chloro Sulphonic Acid              | 23400          | Nil              | 23400       |
| 7.        | Calcium Chloride (100 %)           | 54000          | Nil              | 54000       |
| <b>B.</b> | <b>CO-Products and By-Products</b> |                |                  |             |
| 1.        | Chlorine                           | 215200         | 149800           | 365000      |
| 2.        | Hydrochloric Acid (100%)           | 79000          | 56000            | 135000      |
| 3.        | Sodium Hypochlorite (100%)         | 53520          | 36480            | 90000       |
| 4.        | Hydrogen                           | 6730           | 4670             | 11400       |
| 5.        | Compressed Hydrogen                | 960            | 500              | 1460        |
| 6.        | Carbon Dioxide (By-product)        | 23760          | Nil              | 23760       |

3. The proposed project/activity is listed under category A of item 4(d) 'Chlor - Alkali Industry' and 5(f) 'Synthetic organic chemical industry' in the schedule of Environment Impact Assessment (EIA) Notification, 2006, and requires appraisal/approval at central level by sectoral Expert Appraisal Committee (EAC).

4. The terms of reference for the project was granted on 29<sup>th</sup> July, 2015 followed by validity extension of ToR vide letter dated 11<sup>th</sup> December, 2018. Public Hearing for the

proposed expansion project was conducted by State Pollution Control Board on 04<sup>th</sup> June, 2019. The Public Hearing was chaired by ADM Ujjain. The main issue raised during the public hearing are related to Employment, Water source & Water pollution, Effluent discharge, Gaseous Emission etc.

**5.** Project Proponent reported that the existing land area is 61.92 ha (619200 m<sup>2</sup>). No additional land will be required for proposed expansion. Industry has already developed greenbelt in an area of 38% i.e. 23.68 ha (236800 m<sup>2</sup>) out of total area of the project. Project Proponent reported that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger/Elephant Reserve, and Wildlife Corridor within 10 km distance from the project site. Dam is at a distance of 2.13 km in NW direction, Bangerl Nadi flows at distance of 2.5 km in West direction, Chambal River flows at a distance of 0.6 km in West direction, Khajuri Nala is at 0.5 km in South direction.

**6.** Project Proponent reported that total water requirement is 6000 m<sup>3</sup>/day including fresh water requirement of 5400 m<sup>3</sup>/day proposed to be met from Chambal river. Effluent of 610 m<sup>3</sup>/day quantity is being/will be treated in Effluent Treatment Plant. The plant is being/will be based on Zero Liquid discharge system. Power requirement after expansion will be 141 MW including existing 80 MW and will be met from Outsource & Madhya Pradesh State Electricity Board (MPSEB). Existing unit has 2 Nos. DG sets of 2000 KVA capacity each, having 30 metre stack height as per CPCB norms used during power failure. Additionally, no DG sets will be required for proposed expansion project. Existing unit has 2 Hydrogen gas fired boilers of 9 TPH capacity each. No new boiler will be installed.

**7.** Project Proponent reported that the Ambient air quality monitoring was carried out at 8 locations during Winter Season (Dec., 2016 to Feb., 2017) and the baseline data indicates the ranges of concentrations as: PM<sub>10</sub> (63.2 to 90.1 µg/m<sup>3</sup>), PM<sub>2.5</sub> (28.2 to 47.4 µg/m<sup>3</sup>), SO<sub>2</sub> (7.3 to 32.9 µg/m<sup>3</sup>), NO<sub>2</sub> (12.6 to 30.6 µg/m<sup>3</sup>), respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed expansion project would be 0.024 µg/m<sup>3</sup>, 0.085 µg/m<sup>3</sup>, 0.10 µg/m<sup>3</sup>, with respect to PM, Cl<sub>2</sub>, HCl. The resultant concentration of PM is within the National Ambient Air Quality Standards (NAAQS).

**8.** The estimated project cost for expansion of the project is ₹285 Crores. Total capital cost earmarked towards environmental pollution control measures is ₹20 Crores and the recurring cost (operation and maintenance) will be about ₹3.4 Crores/annum. The expenditure towards Corporate Environment Responsibility (CER) for the project would be ₹5 Crores of the project cost as committed by the project proponent. Total employment will be 1545 persons (Regular: 245 + Contractual: 1300) including 128 persons (Regular: 28 + Contractual: 100) after expansion of the project.

**9.** The project proponent has informed that a case was filed in High court and transferred to NGT (Case no.77/2017 CZ) regarding pollution being caused in the river Chambal due to effluents from the industry. As per NGT order, Grasim Industries Ltd. Chemical Division received MPPCB directions, in compliance of which company has achieved ZLD in March, 2018. As on date no other case is due against the existing project.

**10.** The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking

that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report and public hearing process. If any part of data/information submitted is found to be false/misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

**11.** The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. Issues raised during the public hearing has been properly addressed in the EIA/EMP report. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of Environmental Clearance (EC).

**12.** The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on **20-22 November, 2019**, wherein the project proponent and their accredited consultant presented the EIA/EMP Report. The Committee found the EIA/EMP report to be satisfactory, complying with the ToR, and **recommended** the project for grant of environmental clearance.

**13.** The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments there to and hereby accords the environmental clearance under the provisions thereof to the above mentioned proposal of **M/s Grasim Industries Ltd. (Chemical Division) for Expansion of Caustic Chlorine Products from 2,70,000 TPA to 4,50,000 TPA of Caustic soda and Value Added Derivatives along with installation of new Chloromethane Plant (Para 2 of Page 1), located at Birlagram, Nagda, District Ujjain, Madhya Pradesh** subject to compliance of the followings terms and conditions and environmental safeguards mentioned below:-

**A. Specific Conditions:**

- (i) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, as may be applicable.**
- (ii) Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.
- (iii) As already committed by the project proponent, ZLD shall be ensured and no waste/treated water shall be discharged outside the premises.
- (iv) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016; Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- (v) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous



emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

- (vi) Solvent management, if any, shall be carried out as follows company shall undertake waste minimization measures as below:-
- (a) Reactor shall be connected to chilled brine condenser system.
  - (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
  - (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery.
  - (d) Solvents shall be stored in a separate space specified with all safety measures.
  - (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
  - (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
- (vii) Odour shall be prevented at the source and effective odour management scheme shall be implemented.
- (viii) Total fresh water requirement shall not exceed 5400 m<sup>3</sup>/day proposed to be met from Chambal River. Prior permission in this regard shall be obtained from the concerned regulatory authority.
- (ix) Rain water harvesting structures shall be provided to reduce dependency of fresh surface water for industrial purposes. In any case, no ground water shall be used for the plant.
- (x) The storm water from the premises shall be collected and discharged through a separate conveyance system.
- (xi) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- (xii) ETP sludge, process inorganic & evaporation salt shall be disposed through Captive Secured Landfill.
- (xiii) 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.
- (xiv) The company shall undertake waste minimization measures as below:-
- a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

- (xv) The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (xvi) As proposed ₹5 Crores shall be allocated for CER. The CER funds shall be utilized for greenbelt development, skill development and check dam construction, as suggested during public hearing. The CER plan shall be completed within a period of two years or before commissioning of the project.
- (xvii) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- (xviii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- (xix) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xx) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. For continuous discharge the unit shall install pH, TSS, BOD, COD and flow meter at the ETP outlet.
- (xxi) The energy sources for lighting purposes shall preferably be LED based.
- (xxii) Transportation of raw materials/products should be carefully performed using GPS enabled vehicles.
- (xxiii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. PP shall submit the six monthly compliance report to the Regional Office of the Ministry.
- (xxiv) The project proponent shall conduct 3D modeling for risk management and mitigation measures as the flammable and hazardous chemicals are being stored and processed in the Plant. PP shall conduct a study comprise the details of detectors and its locations and outcome of the study shall be implemented and the compliance shall be submitted six monthly to the Regional Office of the Ministry.
- (xxv) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

**14.** The project proponent shall strictly comply the sector specific conditions as mentioned in the Ministry's Office Memorandum No. 22-34/2018-IA.III, dated 9<sup>th</sup> August, 2018. The said OM is available at the Ministry's website (PARIVESH portal i.e. [www.parivesh.nic.in](http://www.parivesh.nic.in)). The grant of Environmental Clearance is further subject to compliance of generic conditions as mentioned in the Ministry's Office Memorandum No. 22-34/2018-IA.III, dated 9<sup>th</sup> August, 2018.

**15.** The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest & Climate Change, its regional office, Central Pollution Control Board and State Pollution Control Board.

**16.** The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

**17.** The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

**18.** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

**19.** Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**20.** The above conditions will be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974; Air (Prevention & Control of Pollution) Act, 1981; Environment (Protection) Act, 1986; Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein and also any other orders passed by the Hon'ble Supreme Court of India/High Court of Madhya Pradesh/Hon'ble NGT and any other Court of Law relating to the subject matter.

**21.** This issues with the approval of the competent authority.

  
(Dr. R. B. Lal)

**Scientist 'E'/Additional Director**

(डा. आर. बी. लाल)

(Dr. R. B. LAL)

वैज्ञानिक 'ई'/Scientist 'E'

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Min. of Environment, Forest and Climate Change

भारत सरकार, नई दिल्ली

Govt. of India, New Delhi

**Copy to: -**

1. Principal Secretary, Environment, Forest and Climate Change Department, Govt. of Madhya Pradesh.
2. The Principal Chief Conservator of Forests (PCCF), Satpuda Bhawan, Bhopal, Madhya Pradesh.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32.
4. The Chairman, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462 016, Madhya Pradesh.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi - 3.
6. Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Man Singh Road,

New Delhi-110011.

7. District Collector, Ujjain, Madhya Pradesh.
8. Guard File/ Record File/ Monitoring File/ Website of MoEF&CC

  
**(Dr. R. B. Lal)**  
**Scientist 'E'/Additional Director**



**ANNEXURE - XX**

**Standard EC Conditions for Pharmaceutical/Chemical Industry sector**  
(applicable to item S.N. 4(d) - Chlor-alkali industry; 4(e) - Soda ash industry; 5(b) -Pesticides industry and Pesticides specific intermediates; 5(f) - Synthetic organic chemicals industry {dyes & dye intermediates, bulk drugs and intermediates & synthetic rubbers etc} and 5(h) - Integrated paint industry)

**I. Statutory compliance**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. 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

**II. Air quality monitoring and preservation**

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.

- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, and SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be complied with

### **III. Water quality monitoring and preservation**

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)
- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

- vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

#### **IV. Noise monitoring and prevention**

- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- ii. 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.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

#### **V. Energy Conservation measures**

- i. The energy sources for lighting purposes shall preferably be LED based.

#### **VI. Waste management**

- i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- iii. The company shall undertake waste minimization measures as below:-
  - a. Metering and control of quantities of active ingredients to minimize waste.
  - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - c. Use of automated filling to minimize spillage.
  - d. Use of Close Feed system into batch reactors.
  - e. Venting equipment through vapour recovery system.
  - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

#### **VII. Green Belt**

- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

#### **VIII. Safety, Public hearing and Human health issues**



- ii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iv. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- v. Training shall be imparted to all employees on safety and health aspects of chemicals handling. 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.
- vi. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

#### **IX. Corporate Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1A.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other

purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### **X. Miscellaneous**

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent 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, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Point –wise reply of  
Conditions stipulated in  
Environmental Clearance**

|   |                              |   |                                    |
|---|------------------------------|---|------------------------------------|
| <b>Name of the Project</b>                | :                            | Expansion of Caustic chlorine products from and value added derivatives along with installation of new chloromethane plant, Village: Birlagram, Tehsil: Nagda, District: Ujjain, M.P. by M/s Grasim Industries Ltd. (Chemical Division) |                                    |
| <b>Clearance letter No. &amp; date</b>    | :                            | MoEF Letter No. J-11011/119/2015-IA.II(I) dated 07.01.2020  |                                    |
| <b>Address for Correspondence</b>         | :                            | Grasim Industries Limited, Villages- Mehatwas, Birlagram, Tehsil- Nagda, District- Ujjain, M. P.  |                                    |
| <b>Units in operation</b>                 |                              | <b>S. No.</b>   | <b>Particulars</b>                 |
|   |                              | <b>A.</b>   | <b>Main Products</b>               |
|   |                              | 1.  | Caustic Soda                       |
|   |                              | 2.  | Poly Aluminum Chloride             |
|   |                              | 3.  | Stable Bleaching Powder            |
|   |                              | 4.  | Chlorinated Paraffin               |
|   |                              | 5.  | Chloro Sulphonic Acid              |
|   |                              | 6.  | Calcium Chloride (100 %)           |
|   |                              | <b>B.</b>   | <b>Co-Products and By-Products</b> |
|   |                              | 1.  | Liquid Chlorine                    |
|   |                              | 2.  | Hydrochloric Acid (100%)           |
|   |                              | 3.  | Sodium Hypochlorite (100%)         |
|   |                              | 4.  | Hydrogen                           |
| 5.  | Compressed Hydrogen          |   |                                    |
| 6.  | Carbon Dioxide (By- product) |   |                                    |
| <b>Units to be installed to the plant</b> |                              | Chloromethane plant (36000 TPA)   |                                    |

| S. No.                        | EC Conditions  | Compliance Status  |   |
|-------------------------------|--|--|---|
| <b>A. Specific Conditions</b> |  |  |   |
| I.                            | This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, as may be applicable.  | The same shall be complied with.   |   |
| II.                           | Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board. | Necessary Consents has been obtained from MPCB under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.<br>The copy of consent to Operate is enclosed as <b>Annexure 1</b> . |   |
| S. No.                        | Unit   | Product & Capacity   | Consent for Existing Capacity   |
| 1.                            | Caustic Soda Membrane Cell Plant-1   | i. Caustic Soda - 1,26,000 TPA<br>ii. HCl - 37,000 TPA<br>iii. Liquid Chlorine - 1,00,000 TPA<br>iv. Sodium Hypochlorite - 4,320 TPA<br>v. Hydrogen - 3,130 TPA  | CTO vide Consent No. 49987 dated 20 <sup>th</sup> May 2019 under Air & Water Act (valid upto 28 <sup>th</sup> Feb., 2022) |

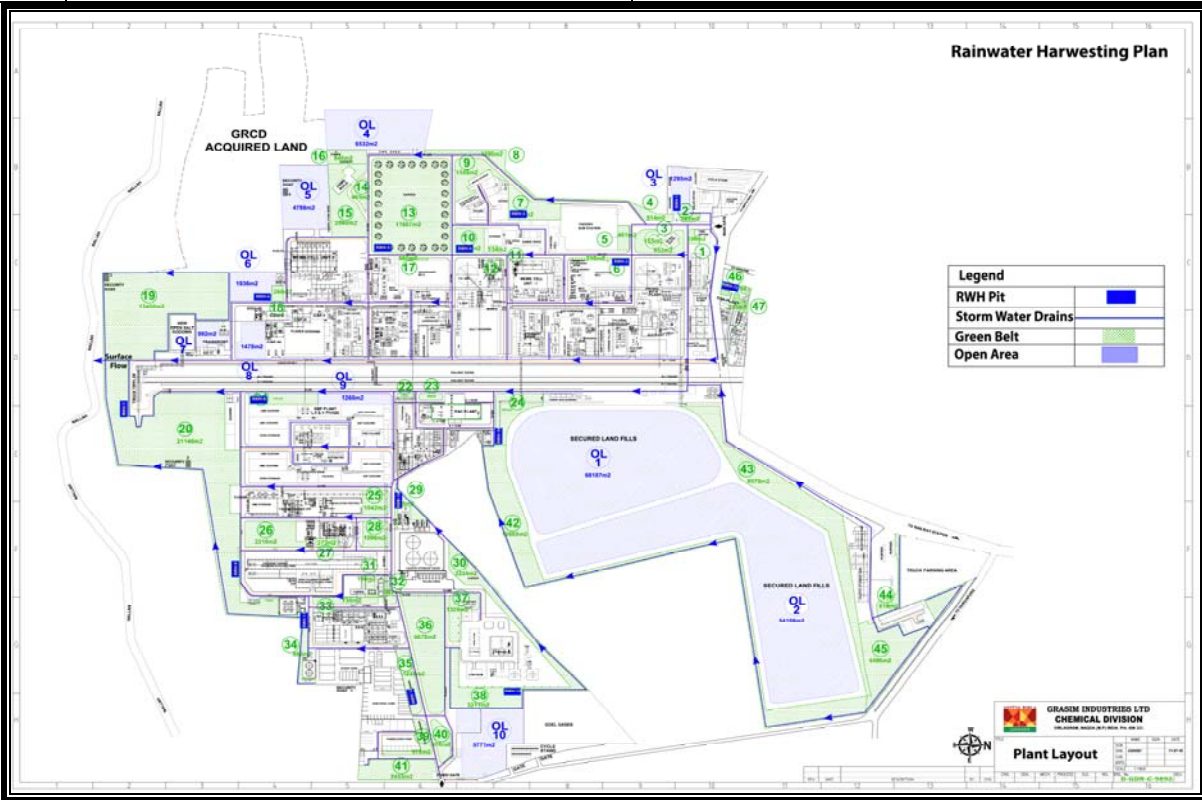
| S. No. | EC Conditions   |  | Compliance Status  |
|--------|---|--|--|
| 2.     | Caustic Soda Membrane Cell Plant-2  | i. Caustic Soda - 12,000 MT/Month (1,44,000TPA)<br>ii. Liquid Chlorine - 9600 MT/Month (1,15,200 TPA)<br>iii. HCl - 3500 MT/Month (42000 TPA)<br>iv. Sodium Hypochlorite - 4100 MT/Month (49,200 TPA)<br>v. Hydrogen - 300 MT/Month (3600 TPA)<br>vi. Hydrogen (Compressed) - 80 MT/Month (960 TPA)  | CTO vide Consent No. AW- 49580 dated 18 <sup>th</sup> Feb 2019 under Air & Water Act (valid upto 31.01.2022) |
| 3.     | Poly Aluminium Chloride Plant   | Poly Aluminium Chloride (27,720 TPA)   | CTO vide Consent No. AWH-48385 dated 31.08.2019 under Air & Water Act (valid upto 11.04.2023)                |
| 4.     | Stable Bleaching Powder Plant   | Stable Bleaching Powder (2453 TPM) (29436 TPA)   | CTO vide Consent No. AW-49949 dated 13 <sup>th</sup> May 2019 under Air & Water Act (valid upto 30.04.2022)  |
| 5.     | Chlorinated Paraffin Unit   | Chlorinated Paraffin (CP) (27,000 TPA)   | CTO vide Consent No. AWH-52108 dated 09.09.2020 under Air & Water Act (valid upto 30.09.2023)                |
| 6.     | Chlorosulphonic Acid Plant  | Chlorosulphonic acid (23,400 MT)   | CTO vide Consent No. AW-50762 dated 24.11.2019 under Air & Water Act valid upto 30.11.2021.                  |
| 7.     | Calcium Chloride Unit   | Calcium Chloride (150 MT per day) (54000 TPA)<br>Carbon Dioxide (66 MT per day) (23760 TPA)<br>DG Set (2*2000 KVA)   | CTO vide Consent No. AW-49920 dated 6 <sup>th</sup> May, 2019 under Air & Water Act valid upto 31.07.2021    |
| III.   | As already committed by the project proponent, ZLD shall be ensured and no waste/treated water shall be discharged outside the premises.  | The Unit has achieved Zero Liquid Discharge from 31 <sup>st</sup> March, 2018 by following stages: <ul style="list-style-type: none"> <li>▪ Primary Treatment: ETP System with lamella clarifier</li> <li>▪ RO Systems: Brackish water RO and Sea water RO</li> <li>▪ Multi Effect Evaporator (MEE)</li> <li>▪ Agitated Thin Film Dryer (ATFD)</li> </ul> Detailed note on Zero liquid discharge has been attached as <b>Annexure 2.</b> |  |
| IV.    | Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016; Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.  | Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 has been obtained along with Consent to operate. The same is enclosed as <b>Annexure 3.</b>   |  |
| V.     | To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. | To control source and the fugitive emissions suitable pollution control devices are being/will be installed to meet the prescribed norms and/or the NAAQS. Pollution Control/ Mitigation measures adopted are given below.<br><br>The gaseous emissions are being/ will be dispersed through stack of adequate height as per CPCB/SPCB guidelines.   |  |
|        | <b>Emissions</b>  | <b>Plant Unit</b>  | <b>Pollution Control/ Mitigation measures adopted</b>  |

| S. No.   | EC Conditions   | Compliance Status  |
|--|---|--|
| <b>Stack Emissions</b>                                       |   |  |
| Chlorine Vapors  | Caustic Soda Membrane Cell  | <ul style="list-style-type: none"> <li>▪ Alkali Scrubbers</li> <li>▪ On-line monitoring sensors are installed</li> <li>▪ Pollution control equipments interlocked with process</li> <li>▪ The entire process is DCS controlled</li> </ul>  |
|  | Stable Bleaching Powder   | <ul style="list-style-type: none"> <li>▪ Alkali Scrubbers</li> <li>▪ Chlorine feed is controlled and no excess chlorine is fed.</li> <li>▪ Chlorine sensors are placed</li> </ul>  |
|  | Chlorinated Paraffin  | <ul style="list-style-type: none"> <li>▪ Alkali Scrubbers</li> <li>▪ Chlorine feed is controlled and no excess chlorine is fed.</li> <li>▪ Chlorine sensors are placed</li> </ul>  |
| HCL Vapors   | Caustic Soda Membrane Cell  | <ul style="list-style-type: none"> <li>▪ Water Scrubbers</li> <li>▪ On-line monitoring sensors are installed</li> <li>▪ Pollution control equipments interlocked with process</li> <li>▪ The entire process is DCS controlled</li> </ul>   |
|  | Poly Aluminum Chloride  | <ul style="list-style-type: none"> <li>▪ Water Scrubbers for absorption of unreacted HCL vapors in water</li> </ul>  |
|  | Chlorinated Paraffin plant  | <ul style="list-style-type: none"> <li>▪ Water Scrubbers</li> </ul>  |
|  | Chlorosulphonic Acid Plant  |  |
| Calcium Chloride Plant                                       |   |  |
| SPM (Chlorine & Dust emissions)                              | Stable Bleaching Powder   | <ul style="list-style-type: none"> <li>▪ Bag Filters</li> <li>▪ Chlorine feed is controlled &amp; no excess chlorine is fed</li> <li>▪ Dust control systems have been provided at the filling point.</li> <li>▪ De-dusting system is installed at the product filling post to minimize the SPM levels.</li> </ul>  |
| SO <sub>3</sub> Vapors                                       | Chlorosulphonic Acid Plant  | <ul style="list-style-type: none"> <li>▪ Sulphuric acid scrubbers</li> </ul>   |
| Chlorinated Hydrocarbons, Chlorine, VOC, HCL and other gases | Chloromethane Plant   | <ul style="list-style-type: none"> <li>▪ Gas coolers</li> <li>▪ Condensers</li> <li>▪ Water washers</li> <li>▪ Acid stripping system</li> <li>▪ Water scrubbers</li> <li>▪ Alkali scrubber</li> <li>▪ VRC for incineration of all the wastes and any residual carbon tetra chloride</li> </ul>   |
| <b>Fugitive Emissions</b>                                    |   |  |
| HCl, Chlorine  | <ul style="list-style-type: none"> <li>▪ Storage &amp; handling of raw materials, solvents, finished products</li> <li>▪ From equipments leak valves, flanges, pump seals, compressors, sampling connections, open ended lines</li> </ul> | <ul style="list-style-type: none"> <li>▪ Liquid raw materials and intermediates charged into Reactors with pumps or under gravity through closed pipes.</li> <li>▪ Suction Hoods placed near the Man-holes &amp; Charging funnels of Reactors &amp; Filters</li> <li>▪ All storage tanks of low boiling solvents / chemical with Conservation Vents.</li> <li>▪ Vents of HCl storage tanks with a Water filled trap to prevent Acid fumes from escaping out.</li> <li>▪ Mechanical seals to prevent fugitive emission.</li> <li>▪ Storage tanks with level gauge, dyke wall, automated loading and unloading for the chemicals</li> <li>▪ Plugs, caps and blinds for open ended lines</li> <li>▪ Closed loop sampling systems</li> </ul> |
| CO <sub>2</sub> and other gases                              | Vehicles, Open surfaces, ETP, retention ponds   | <ul style="list-style-type: none"> <li>▪ Roads within the premises concreted / paved to avoid vehicular emissions.</li> <li>▪ All transportation vehicles carry a valid PUC (Pollution under</li> </ul>  |



| S. No.  | EC Conditions   | Compliance Status   |
|---|---|---|
|   |   | Control) Certificate. <ul style="list-style-type: none"> <li>Proper servicing &amp; maintenance of vehicles.</li> <li>Regular sweeping of all the roads &amp; floors to avoid particulate matter dispersion.</li> </ul>   |
| Chloromethane traces, Methanol traces and HCl | From Hydrochlorination Reactor, From Photochlorination reactor, Distillation columns and vents of storage tanks for CMS.  | <ul style="list-style-type: none"> <li>All vents after guard condenser are directed to volatile reduction chamber (VRC Unit) where it is incinerated. HCl liberated is scrubbed in water and then with caustic solution</li> </ul>  |
| VI.   | Solvent management, if any, shall be carried out as follows company shall undertake waste minimization measures as below:-<br>(a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery. (d) Solvents shall be stored in a separate space specified with all safety measures. (e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. | No solvent is being used in any of the processes.   |
| VII.  | Odour shall be prevented at the source and effective odour management scheme shall be implemented.  | Odour is being prevented at source and the effective Odour management scheme has been implemented.  |
| VIII.   | Total fresh water requirement shall not exceed 5400 m <sup>3</sup> /day proposed to be met from Chambal River. Prior permission in this regard shall be obtained from the concerned regulatory authority.   | The Total fresh water requirement shall not exceed 5400 m <sup>3</sup> /day and will be met from Chambal River.<br>The copy of water permission is enclosed as <b>Annexure 4</b> .  |
| IX.   | Rain water harvesting structures shall be provided to reduce dependency of fresh surface water for industrial purposes. In any case, no ground water shall be used for the plant.   | <ul style="list-style-type: none"> <li>Within industrial premises (plant area), rainwater run-off generated from roof-top surfaces of different buildings works out to be 94,717 cum/annum. To accommodate and recharge this run-off, 15 number of recharge pits/trenches (10 m length × 2.5 m width × 2 m depth) each with 4 numbers of injection wells have been proposed at suitable locations near different</li> </ul> |








| S. No. | EC Conditions | Compliance Status   |
|--------|---------------|---|
|        |               | <p>buildings/sections.</p> <ul style="list-style-type: none"> <li>• Within staff colony area, rainwater run-off generated from roof-top surfaces of different buildings and road-paved area works out to be 11,995 cum/annum. To accommodate and recharge this run-off, 4 number of recharge pits (5 m length × 3 m width × 2 m depth) each with 4 numbers of injection wells have been proposed at suitable locations.</li> </ul> <p><b>Location of Proposed Rainwater Harvesting Structures within Industrial Premises is as below:</b></p> |









|     |  |   |
|-----|--|---|
| X.  | The storm water from the premises shall be collected and discharged through a separate conveyance system.  | The storm water from the premises is being collected and storm water drains is being/ will be taken to the storage ponds/recharge pits.   |
| XI. | Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps. | The details of Hazardous chemicals storage is given below. Flame arresters are provided tank farm and the solvent transfer through pumps. |

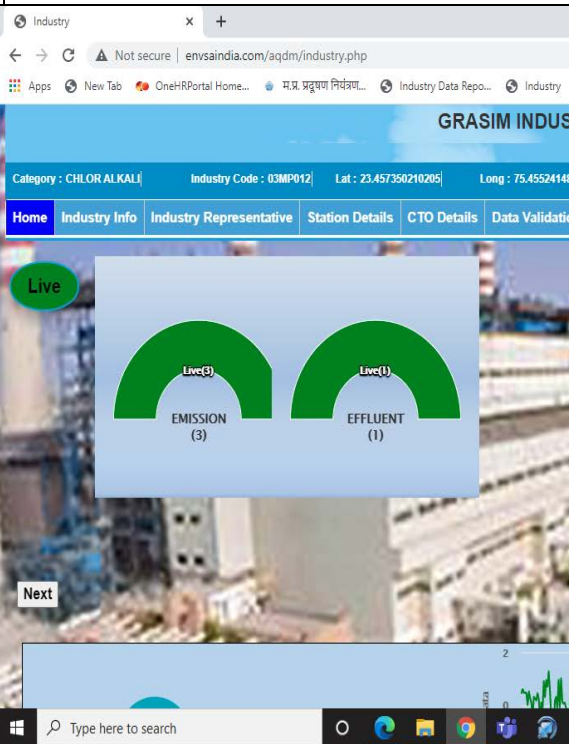
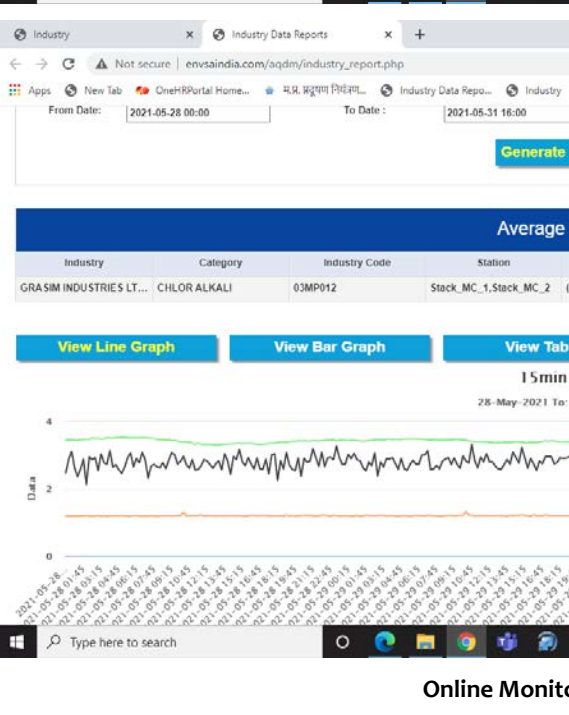
| S. No.                       | EC Conditions  |                               | Compliance Status  |   |                 |
|------------------------------|--|-------------------------------|--|---|-----------------|
|                              | Unit   | Chemicals                     | Form of Material (Solid/Liquid/Gas)  | Nature of material (Corrosive/Flammable etc.) | Type of Storage |
|                              | Membrane cell Caustic Soda   | Sodium Chloride (common salt) | Solid  | Corrosive                                     | Shed            |
|                              |  | Soda Ash                      | Solid  | Corrosive                                     | Bag             |
|                              |  | Barium Carbonate              | Solid  |   | Bag             |
|                              |  | Sodium Sulphite               | Solid  | Corrosive                                     | Bag             |
|                              |  | Caustic Soda                  | Liquid   | Corrosive                                     | MS tank         |
|                              |  | Hydrochloric Acid             | Liquid   | Corrosive                                     | MSRL Tank       |
|                              |  | Sulphuric Acid                | Liquid   | Corrosive                                     | MSRL            |
| Stable Bleaching Powder Unit | Liquid chlorine  | Liquid                        | Corrosive  | MS tank                                       |                 |
|                              | Hydrated lime  | Solid                         | Corrosive  | Bag   |                 |
|                              | Caustic Soda   | Liquid                        | Corrosive  |   |                 |
|                              | Chlorine   | Gas                           | Corrosive  | -   |                 |
| Poly Aluminium Chloride      | Hydrochloric Acid  | Liquid                        | Corrosive  | MSRL Tank                                     |                 |
|                              | Sulphuric Acid   | Liquid                        | Corrosive  | MSRL Tank                                     |                 |
|                              | Chlorine gas   | Gas                           | Corrosive  | -   |                 |
|                              | Caustic Soda   | Liquid                        | Corrosive  | MS Tank                                       |                 |
|                              | Hydrochloric acid  | Liquid                        | Corrosive  | MSRL Tank                                     |                 |
| Chlorosulphonic Acid         | Sulphuric Acid   | Liquid                        | Corrosive  | MSRL Tank                                     |                 |
|                              | Sulphur Trioxide   | Gas                           | Corrosive  | -   |                 |
|                              | HCl (33 %)   | Liquid                        | Corrosive  | MSRL Tank                                     |                 |
| Calcium Chloride             | Methanol   | Liquid                        | Flammable and Toxic  | Epoxy coated MS Tank                          |                 |
| Chloromethane Plant          | Chlorine   | Gas                           | Corrosive  | -   |                 |
| XII.                         | ETP sludge, process inorganic & evaporation salt shall be disposed through Captive Secured Landfill.   |                               | ETP sludge, process inorganic waste are being disposed through Captive Secured Landfill & evaporation salt are being disposed TSDF.  |   |                 |
|                              |   |                               |    |   |                 |
| XIII.                        | 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. |                               | The Company is strictly complying 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. |   |                 |

| S. No. | EC Conditions  | Compliance Status  |
|--------|--|--|
| XIV.   | <p>The company shall undertake waste minimization measures as below:-</p> <p>a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p> | <p>The company shall undertake waste minimization measures as below:-</p> <p><b>a. Metering and control of quantities of active ingredients to minimize waste.</b></p> <ul style="list-style-type: none"> <li>▪ All the raw materials are fed in the system through metering system to minimise the waste. Chlorine feed is controlled and no excess chlorine is fed.</li> </ul> <p><b>b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</b></p> <ul style="list-style-type: none"> <li>▪ Hydrochloric acid is being used as raw material in Chlorosulphonic acid plant, Polyaluminium Chloride plant and Calcium Chloride plant.</li> <li>▪ Water Scrubber are used for absorption of HCl vapours in water is used in production of HCl.</li> </ul> <p><b>c. Use of automated filling to minimize spillage</b></p> <ul style="list-style-type: none"> <li>▪ The automated system has been installed in Calcium Chloride plant.</li> </ul> <p><b>d. Use of Close Feed system into batch reactors.</b></p> <ul style="list-style-type: none"> <li>▪ The closed feed system has been implemented in all the processes.</li> </ul> <p><b>e. Venting equipment through vapour recovery system.</b></p> <ul style="list-style-type: none"> <li>▪ Vapor recovery system is installed; Paraffin vapour is being recovered in CP plant using condensers.</li> </ul> <p><b>f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.</b></p> <ul style="list-style-type: none"> <li>▪ High Pressure Jet cleaning practice is being adopted in ZLD plant to clean calendria.</li> </ul> |
| XV.    | <p>The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.</p>  | <p>Out of the total plant area, 58.5 acres (~23.68 ha) i.e. 38% has already been developed under greenbelt/ plantation.</p> <p><i>List of the Existing Plant Species in Greenbelt</i></p> <p><b>Acacia Auriculiformis, Alstonia Acholaris (Devil's tree), Anthocephalus Cadamba (Kadam), Araucaria, Azadirachta indica (Neem), Butea frondose (Dhak), Callistemon Sps. (Bottle Brush), Cassia Fistala (Amaltas), Cassia Siamea, Casurina, Dalbergia Sissoo (Shisham), Delonix Regia (Gulmohar), Dillenia Indica (Chalta), Erythrine Sps. (Pangra), Gliricidia, Ficus Bengalensis (Bar),</b></p>  |

| S. No.   | EC Conditions  | Compliance Status  |                        |                               |
|--|--|--|------------------------|-------------------------------|
|  |  | <i>Ficus Elastica, Ficus Benjamina, Ficus Sps., Grevillea Robusta (Silver oale), Jacaranda, Kigelia Pinnata, LagerstromiaSps. (Sawani), MilingtoniaHorstensis (Akash Neem), Mimusopselengi (Molsari), Parkia, Peltophorum, LeuceanaLatisiliana (Subabul), Polyalthia Pendula (Ashok), Plumeria Sps.(Champa), Saraca Indica (Sita Ashok), Putramiva, Santlum Album (Chandan), ApathodiaCampanuleta (Fountain tree), Terminalia arjuna (Arjun), Terminalia Catappa, Thespesia Populnea (Paras Pipal), Pongamiaglabra (Karanj), Bamboo Sps, Bauhinia Sps., etc.</i> |                        |                               |
|     |  |  |                        |                               |
|    |  |  |                        |                               |
| XVI.   | As proposed Rs. 5 Crores shall be allocated for CER. The CER funds shall be utilized for greenbelt development, skill development and check dam construction, as suggested during public hearing. The CER plan shall be completed within a period of two years or before commissioning of the project. | The company has proposed to spend Rs. 2.14 Crores for CER activities in next 3 years under various sectors. Expenditure incurred from oct., 2020 to Mar., 2021 is as below:  |                        |                               |
| S. No.   | Activity Heads   | Year   |                        | Total Amount<br>(Rs. in Lacs) |
|  |  | Oct to Dec<br>(2020)   | Jan to March<br>(2021) |                               |

| S. No.   | EC Conditions   |   | Compliance Status |       |
|--|---|---|-------------------|-------|
| 1  | Educational Programme   | 4.81  | 8.08              | 12.88 |
| 2  | Health Care   | 1.71  | 1.26              | 2.98  |
| 3  | Sustainable Livelihood  | 1.54  | 31.83             | 33.37 |
| 4  | Infrastructure Development  | 0.59  | 0.28              | 0.87  |
| 5  | Social Development  | 0.04  | 0.00              | 0.04  |
| <b>GRAND TOTAL</b>   |   | 8.696   | 8.69              | 41.45 |
|       |   |   |                   |       |
|    |   |   |                   |       |
| XVII.  | For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution. | For the DG sets, emission limits and the stack height are / will be in conformity with the extant regulations and the CPCB guidelines.<br>Acoustic enclosure is being provided to DG set for controlling the noise pollution.   |                   |       |
| XVIII.   | The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.  | Adequate arrangement for protection of possible fire hazards during manufacturing process in material handling is being made.<br><ul style="list-style-type: none"> <li>⊗ Flame arrestors are provided at various places in the system.</li> <li>⊗ Sufficient number of Fire Extinguishers DCP type and CO<sub>2</sub> type and Fire buckets are posted at many locations for fire control. Besides this, we have a Fire tender of adequate capacity with our Fire Fighting Department.</li> <li>⊗ Fire Hydrant Points are also located around the plant.</li> <li>⊗ Employees are regularly trained in fire fighting.</li> </ul> |                   |       |
| XIX.   | Storage of raw materials shall be either stored in  | The storage details of the raw material is given below.   |                   |       |



| S. No. | EC Conditions   | Compliance Status   |  |   |                        |
|--------|---|---|--|---|------------------------|
|        | silos or in covered areas to prevent dust pollution and other fugitive emissions.   |   |  |   |                        |
|        |   | <b>Unit</b>   | <b>Chemicals</b>                         | <b>Form of Material (Solid/Liquid/ Gas)</b> | <b>Type of Storage</b> |
|        |   | <b>Membrane cell Caustic Soda</b>   | Sodium Chloride (common salt)            | Solid                                       | Shed                   |
|        |   |   | Soda Ash                                 | Solid                                       | Bag                    |
|        |   |   | Barium Carbonate                         | Solid                                       | Bag                    |
|        |   |   | Alpha Cellulose                          | Solid                                       | Bag                    |
|        |   |   | Sodium Sulphite                          | Solid                                       | Bag                    |
|        |   |   | Magna Floc                               | Solid                                       | Bag/Warehouse          |
|        |   |   | Caustic Soda                             | Liquid                                      | MS tank                |
|        |   |   | Hydrochloric Acid                        | Liquid                                      | MSRL Tank              |
|        |   | <b>Stable Bleaching Powder Unit</b>   | Sulphuric Acid                           | Liquid                                      | MSRL                   |
|        |   |   | Liquid chlorine                          | Liquid                                      | MS tank                |
|        |   |   | Hydrated lime                            | Solid                                       | Bag                    |
|        |   |   | Caustic Soda                             | Liquid                                      |                        |
|        |   | <b>Poly Aluminium Chloride</b>  | Chlorine                                 | Gas   | -                      |
|        |   |   | Alumina Hydrate                          | Solid                                       | Bag                    |
|        |   |   | Hydrochloric Acid                        | Liquid                                      | MSRL Tank              |
|        |   | <b>Chlorinated Paraffin</b>   | Sulphuric Acid                           | Liquid                                      | MSRL Tank              |
|        |   |   | Paraffin                                 | Liquid                                      | MS Tank                |
|        |   |   | Epoxidized soya bean oil                 | Liquid                                      | HDPE Drum              |
|        |   |   | Chlorine gas                             | Gas   | -                      |
|        |   | <b>Chlorosulphonic Acid</b>   | Caustic Soda                             | Liquid                                      | MS Tank                |
|        |   |   | Hydrochloric acid                        | Liquid                                      | MSRL Tank              |
|        |   |   | Sulphuric Acid                           | Liquid                                      | MSRL Tank              |
|        |   | <b>Calcium Chloride</b>   | Sulphur Trioxide                         | Gas   | -                      |
|        |   |   | HCl (33 %)                               | Liquid                                      | MSRL Tank              |
|        |   |   | Lime Stone                               | Solid                                       | Shed                   |
|        |   | <b>Chloromethane Plant</b>  | Methanol                                 | Liquid                                      | Epoxy coated MS Tank   |
|        |   |   | Chlorine                                 | Gas   | -                      |
| XX.    | Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. For continuous discharge the unit shall install pH, TSS, BOD, COD and flow meter at the ETP outlet. | Online monitoring program for the existing unit has been installed and same is connected to MPPCB & CPCB server.                                    |  |   |                        |
|        |   | <b>S. No.</b>   | <b>Description of Stacks attached to</b> | <b>Pollutants</b>                           |                        |
|        |   | 1.  | Sodium Hypo Stack; Unit 1 Caustic Soda   | Cl <sub>2</sub>                             |                        |
|        |   | 2.  | HCl Stack; Unit 1 Caustic Soda           | HCl   |                        |
|        |   | 3.  | Sodium Hypo Stack; Unit 2 Caustic Soda   | Cl <sub>2</sub>                             |                        |
|        |   | 4.  | HCl Stack; Unit 2 Caustic Soda           | HCl   |                        |
|        |   | For ZLD, the unit has installed web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. |  |   |                        |

| S. No.                  | EC Conditions   | Compliance Status  |                       |                          |               |             |             |            |           |         |                         |              |         |                       |                          |           |             |             |
|-------------------------|---|--|-----------------------|--------------------------|---------------|-------------|-------------|------------|-----------|---------|-------------------------|--------------|---------|-----------------------|--------------------------|-----------|-------------|-------------|
|                         |  |  <table border="1"> <caption>Average Report</caption> <thead> <tr> <th>Industry</th> <th>Category</th> <th>Industry Code</th> <th>Station</th> <th>Parameter</th> <th>Avg Period</th> <th>From Date</th> <th>To Date</th> </tr> </thead> <tbody> <tr> <td>GRASIM INDUSTRIES LT...</td> <td>CHLOR ALKALI</td> <td>03MP012</td> <td>Stack_MC_1,Stack_MC_2</td> <td>(HCl), (Cl), (HCl), (Cl)</td> <td>15min Avg</td> <td>28-May-2021</td> <td>31-May-2021</td> </tr> </tbody> </table> | Industry              | Category                 | Industry Code | Station     | Parameter   | Avg Period | From Date | To Date | GRASIM INDUSTRIES LT... | CHLOR ALKALI | 03MP012 | Stack_MC_1,Stack_MC_2 | (HCl), (Cl), (HCl), (Cl) | 15min Avg | 28-May-2021 | 31-May-2021 |
| Industry                | Category  | Industry Code  | Station               | Parameter                | Avg Period    | From Date   | To Date     |            |           |         |                         |              |         |                       |                          |           |             |             |
| GRASIM INDUSTRIES LT... | CHLOR ALKALI  | 03MP012  | Stack_MC_1,Stack_MC_2 | (HCl), (Cl), (HCl), (Cl) | 15min Avg     | 28-May-2021 | 31-May-2021 |            |           |         |                         |              |         |                       |                          |           |             |             |


**Online Monitoring System**

| S. No. | EC Conditions   | Compliance Status   |
|--------|---|---|
|        |  <p>Emission Data capturing in plant</p>   |  <p>Online reports to CPCB</p>  |
| XXI.   | The energy sources for lighting purposes shall preferably be LED based.   | The energy sources for lighting purposes is LED based.  |
| XXII.  | Transportation of raw materials/products should be carefully performed using GPS enabled vehicles.  | Transportation of raw materials/products is being carefully performed using GPS enabled vehicles.   |
| XXIII. | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. PP shall submit the six monthly compliance report to the Regional Office of the Ministry. | <p>Healthy &amp; Safe working environment for employees is the prime concern of the company. Grasim Industries Ltd. commits to create &amp; maintain safe &amp; healthy work environment for employees, against hazards &amp; risks through:</p> <ul style="list-style-type: none"> <li>⊗ Continuously developing &amp; maintaining safe work practices.</li> <li>⊗ Focusing on operational &amp; occupational hazards &amp; risks.</li> <li>⊗ Creating awareness about preventive health &amp; safety measures.</li> </ul> <p>Six monthly compliance report is being/ will be submitted to concerned offices.</p> |
| XXIV.  | The project proponent shall conduct 3D modeling for risk management and mitigation measures as the flammable and hazardous chemicals are being  | 3D Risk Assessment Modeling has been carried out for the Plant and all the recommendations are being implemented.   |



| S. No.   | EC Conditions   | Compliance Status  |
|--|---|--|
|  | stored and processed in the Plant. PP shall conduct a study comprise the details of detectors and its locations and outcome of the study shall be implemented and the compliance shall be submitted six monthly to the Regional Office of the Ministry.   |  |
| XXV.   | There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.   | Adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking is being allowed outside on public places.<br>The photographs of parking spaces are as below: |
|  |    |    |
| <b>Sector specific conditions as per MOEFCC, OM dated 09.08.2018</b> |   |  |
| <b>B. GENERAL CONDITIONS</b>   |   |  |
| <b>1. STATUTORY COMPLIANCE</b>                                       |   |  |
| 1.   | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.  | NA   |
| 2  | The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.   | NA   |
| 3  | The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the | GIL has prepared the Site-Specific Conservation Plan & Wildlife Management Plan and the same is duly Approved by the Chief Wildlife Warden.  |

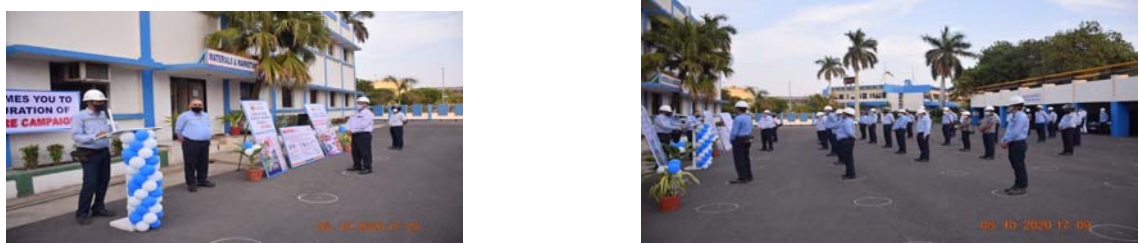

| S. No.  | EC Conditions   | Compliance Status   |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
|---|---|---|--------|----------|---------------------------------------|----|--|-------|----|---------------------|--------|----|-------------------------------|--------|----|----------------------------|--------|
|   | presence of schedule-1 species in the study area)   |   |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 4   | The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.  | The same has been detailed in Specific condition ii.  |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 5   | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.   | The same has been detailed in Specific condition iv.  |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 6   | 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.  | The same has been detailed in Specific condition xiii.  |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| <b>2. Air quality monitoring and preservation</b> |   |   |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 1.  | The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. | Noted. The calibration of the system installed has been done by NABL accredited laboratory.   |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 2.  | The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.   | The Fugitive emission monitoring results are as below: <table border="1"> <thead> <tr> <th>S. no.</th> <th>Location</th> <th>Result (in <math>\mu\text{g}/\text{m}^3</math>)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Membrane caustic soda plant-1 (near HCL Plant)</td> <td>179.5</td> </tr> <tr> <td>2.</td> <td>ZLD area (near ETP)</td> <td>165.06</td> </tr> <tr> <td>3.</td> <td>Membrane caustic soda plant-2</td> <td>165.04</td> </tr> <tr> <td>4.</td> <td>Chlorinated paraffin Plant</td> <td>157.65</td> </tr> </tbody> </table> | S. no. | Location | Result (in $\mu\text{g}/\text{m}^3$ ) | 1. | Membrane caustic soda plant-1 (near HCL Plant) | 179.5 | 2. | ZLD area (near ETP) | 165.06 | 3. | Membrane caustic soda plant-2 | 165.04 | 4. | Chlorinated paraffin Plant | 157.65 |
| S. no.  | Location  | Result (in $\mu\text{g}/\text{m}^3$ )   |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 1.  | Membrane caustic soda plant-1 (near HCL Plant)  | 179.5   |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 2.  | ZLD area (near ETP)   | 165.06  |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 3.  | Membrane caustic soda plant-2   | 165.04  |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |
| 4.  | Chlorinated paraffin Plant  | 157.65  |        |          |                                       |    |  |       |    |                     |        |    |                               |        |    |                            |        |

| S. No. | EC Conditions   |                   |               | Compliance Status  |   |               |                |  |  |
|--------|---|-------------------|---------------|--|---|---------------|----------------|--|--|
|        |   |                   |               | (near Control room)  |   |               |                |  |  |
|        |   |                   |               | 5.   | Calcium chloride Plant (near Control Room)              | 155.51        |                |  |  |
|        |   |                   |               | 6.   | Stable bleaching powder Plant (near cooling tower area) | 189.4         |                |  |  |
|        |   |                   |               | 7.   | Poly aluminum Chloride Plant                            | 158.42        |                |  |  |
|        |   |                   |               | 8.   | Chloro Sulphonic Acid plant                             | 154           |                |  |  |
| 3      | The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions. |                   |               | GIL has installed the Ambient Air Quality monitoring stations.<br>Ambient Air Quality monitoring results are as given below:<br>Photographs of AAQM station is as below: |   |               |                |  |  |
|        |   |                   |               |   |   |               |                |  |  |
| S. No. | Parameters  | Unit              | Gyan Kutir    | Membrane Caustic Soda Plant 2  | Bora Godown Area  | Pardi Gate    | NAAQS          |  |  |
| 1.     | Particulate Matter (PM2.5)  | µg/m <sup>3</sup> | 36.7          | 45.6   | 48.9  | 51.8          | 60             |  |  |
| 2.     | Particulate Matter (PM10)   | µg/m <sup>3</sup> | 76.4          | 89.3   | 90.4  | 85.4          | 100            |  |  |
| 3.     | Nitrogen Dioxides (NO2)   | µg/m <sup>3</sup> | 30.1          | 29.7   | 26.8  | 26.1          | 80             |  |  |
| 4.     | Sulphur Dioxide (SO2)   | µg/m <sup>3</sup> | 13.3          | 15.0   | 11.7  | 11.7          | 80             |  |  |
| 5.     | Ozone (O3)  | µg/m <sup>3</sup> | 21.5          | 17.4   | 17.6  | 19.5          | 180            |  |  |
| 6.     | Lead (Pb)   | µg/m <sup>3</sup> | BDL (DL 0.02) | BDL (DL 0.02)  | BDL (DL 0.02)   | BDL (DL 0.02) | 1              |  |  |
| 7.     | Carbon Monoxide   | mg/m <sup>3</sup> | 0.82          | 0.73   | 0.70  | 0.75          | 2 (As per CTO) |  |  |
| 8.     | Ammonia (NH3)   | µg/m <sup>3</sup> | 18.4          | 13.6   | 16.3  | 17.9          | 400            |  |  |
| 9.     | Benzene (C6H6)  | µg/m <sup>3</sup> | BDL (DL 1.0)  | BDL (DL 1.0)   | BDL (DL 1.0)  | BDL (DL 1.0)  | 5              |  |  |
| 10.    | Benzo(a)pyrene(B(a)P)   | ng/m <sup>3</sup> | BDL (DL 0.5)  | BDL (DL 0.5)   | BDL (DL 0.5)  | BDL (DL 0.5)  | 1              |  |  |
| 11.    | Arsenic (As)  | µg/m <sup>3</sup> | BDL (DL 0.5)  | BDL (DL 0.5)   | BDL (DL 0.5)  | BDL (DL 0.5)  | 6              |  |  |
| 12.    | Nickel (Ni)   | ng/m <sup>3</sup> | BDL (DL 1.0)  | BDL (DL 1.0)   | BDL (DL 1.0)  | BDL (DL 1.0)  | 20             |  |  |
| 13.    | TVOG  | µg/m <sup>3</sup> | 18.9          | 13.9   | 15.4  | 19.6          | --             |  |  |
| 14.    | Chlorine (Cl2)  | µg/m <sup>3</sup> | 12.3          | 10.6   | BDL (DL 5.0)  | 12.7          | --             |  |  |
| 15.    | Acid Mist   | µg/m <sup>3</sup> | BDL (DL 5.0)  | 16.3   | BDL (DL 5.0)  | BDL (DL 5.0)  | --             |  |  |

| S. No.  | EC Conditions  |                         |                   |      | Compliance Status   |              |      |    |
|---|--|-------------------------|-------------------|------|---|--------------|------|----|
|   | 16.  | Hydrochloric Acid (HCL) | µg/m <sup>3</sup> | 5.76 | BDL (DL 5.0)  | BDL (DL 5.0) | 5.03 | -- |
| 4   | To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions. vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed. |                         |                   |      | To control source and the fugitive emissions suitable pollution control devices are being installed and the details of the same are mentioned in Specific Condition No. v<br>The Raw materials are stored in closed spaces. Details of the same has been incorporated in Specific Condition No.XIX. |              |      |    |
| 5.  | The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.  |                         |                   |      | The NAAQS are being complied with. Results of AAQ Monitoring are given in Condition no. 3.  |              |      |    |
| <b>3. WATER QUALITY MONITORING AND PRESERVATION</b> |  |                         |                   |      |   |              |      |    |
| 1.  | The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)   |                         |                   |      | Details of the same has been incorporated in Specific Condition No.XX.  |              |      |    |
| 2.  | As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).  |                         |                   |      | Details of the same has been incorporated in Specific Condition No.III.   |              |      |    |
| 3.  | The effluent discharge shall conform to the standards prescribed under the Environment   |                         |                   |      | The Plant is operating on Zero liquid discharge hence no such effluent is discharged from the plant.  |              |      |    |

| S. No.                                    | EC Conditions  | Compliance Status   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
|---|--|---|------------|----------|-------------|--|----------|------------|----|---|------|------|----|------------------|------|------|
|   | (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.  |   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 4.  | Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.                                     | Details of the same has been incorporated in Specific Condition No.VIII.  |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 5.  | Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.  | Waste water and all effluent from different process collected in ETP through closed conduit pipe system, while storm water connected in open drain and discharge from premises through pumping station.   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 6.  | The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.                                     | Details of the same has been incorporated in Specific Condition No. IX.   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 7.  | The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.                                 | Details of the same has been incorporated in Specific Condition No. XVII.   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| <b>4. NOISE MONITORING AND PREVENTION</b> |  |   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 1.  | Acoustic enclosure shall be provided to DG set for controlling the noise pollution.  | Noted.  |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 2.  | 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 overall noise levels in and around the plant area is being/will be kept well within the standards., Adequate noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation are being provided.   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 3.  | The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time V. Energy Conservation measures i. The energy sources for lighting purposes shall | Noise monitoring results are as below: <table border="1"> <thead> <tr> <th rowspan="2">S. no.</th> <th rowspan="2">Location</th> <th colspan="2">Leq (dB(A))</th> </tr> <tr> <th>Day time</th> <th>Night Time</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Membrane Caustic Soda Plant-1(Near HCL Plant)</td> <td>64.8</td> <td>62.6</td> </tr> <tr> <td>2.</td> <td>Membrane Caustic</td> <td>71.7</td> <td>69.6</td> </tr> </tbody> </table> | S. no.     | Location | Leq (dB(A)) |  | Day time | Night Time | 1. | Membrane Caustic Soda Plant-1(Near HCL Plant) | 64.8 | 62.6 | 2. | Membrane Caustic | 71.7 | 69.6 |
| S. no.                                    | Location   | Leq (dB(A))   |            |          |             |  |          |            |    |   |      |      |    |                  |      |      |
|   |  | Day time  | Night Time |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 1.  | Membrane Caustic Soda Plant-1(Near HCL Plant)  | 64.8  | 62.6       |          |             |  |          |            |    |   |      |      |    |                  |      |      |
| 2.  | Membrane Caustic   | 71.7  | 69.6       |          |             |  |          |            |    |   |      |      |    |                  |      |      |

| S. No.                                 | EC Conditions   | Compliance Status   |   |      |      |
|--|---|---|---|------|------|
|  | preferably be LED based.  |   | Soda Plant-2(Near cooling Tower)                        |      |      |
|  |   | 3.  | Stable Bleaching Powder Plant (Near cooling Tower Area) | 74.2 | 71.7 |
|  |   | 4.  | Calcium chloride Plant (Near cooling Tower)             | 68.5 | 66.5 |
|  |   | 5.  | Chlorinated Paraffin (Near Cooling Tower Area)          | 69.5 | 66.6 |
|  |   | 6.  | Near Poly Aluminium Chloride Plant (control room)       | 67.8 | 64.2 |
|  |   | 7.  | ZLD (Near RD Plant)                                     | 66.0 | 63.3 |
|  |   | 8.  | CSA Plant (Near Tanker Filling Area)                    | 73.1 | 68.1 |
| <b>5. ENERGY CONSERVATION MEASURES</b> |   |   |   |      |      |
| 1                                      | The energy sources for lighting purposes shall preferably be LED based.   | Noted.  |   |      |      |
| <b>6. WASTE MANAGEMENT</b>             |   |   |   |      |      |
| 1                                      | Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.  | Details of the same has been incorporated in Specific Condition No. XI.   |   |      |      |
| 2                                      | Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.   | The process waste ETP sludge, process inorganic & evaporation salt are being disposed off in Captive Secured Landfill; Sent to Authorized Recycler or sent to Common TSDF of M/S Ramky. |   |      |      |
| 3                                      | The company shall undertake waste minimization measures as below:-<br>a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of Close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for equipment clearing to reduce wastewater generation. | The same has been detailed in Condition no. XIV.  |   |      |      |
| <b>7. GREEN BELT</b>                   |   |   |   |      |      |

| S. No.   | EC Conditions  | Compliance Status   |
|--|--|---|
| 1.   | The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. | Details of the same has been incorporated in Specific Condition No. XV.   |
| <b>8. SAFETY, PUBLIC HEARING AND HUMAN HEALTH ISSUES</b>                             |  |   |
| 1.   | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.   | The same is being implemented.  |
| 2.   | The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.   | Details of the same has been incorporated in Specific Condition No. XVIII.  |
| 3.   | The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.  | The Personal Protection Equipment (PPE) as per the norms of Factory Act are being provided to the employees by GIL.   |
|  |  |   |
|  |  |   |
| 4.   | Training shall be imparted to all employees on safety and health aspects of chemicals handling. 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                         | Requisite training is being provided to all the employees and routine periodical medical check up is also undertaken on regular basis.<br>The copy of training register is enclosed herewith. |

| S. No. | EC Conditions | Compliance Status |
|--------|---------------|-------------------|
|        | imparted.     |                   |

| Sl. No. | Training Date | Internal/External | Training Type | Program Name                       | Program Lead | Trainer Name | Training Mode | Emp. Card ID | Passcard ID | Location | Employee Name           | Job Bar | Department           | Employee Type | Emp. Ph. |
|---------|---------------|-------------------|---------------|------------------------------------|--------------|--------------|---------------|--------------|-------------|----------|-------------------------|---------|----------------------|---------------|----------|
| 1476    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 0604         | 068473      |          | Mukesh Katariya         | 10      | Quality Control      | MC            | Na       |
| 1477    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1225         | 068802      |          | Pranaya Krishna Mohanty | 9       | Production - CA      | MC            | Na       |
| 1478    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1655         | 106676      |          | Mahendra Sachan         | 7       | Production - VAP     | MC            | Na       |
| 1479    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 0952         | 116673      |          | Gurwinda K. Shukla      | 10      | Quality Control      | MC            | Na       |
| 1480    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1671         | 070378      |          | Dinker Lahoti           | 6       | Finance & Commercial | MC            | Na       |
| 1481    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1081         | 253009      |          | Anil Kamalia            | 7       | HR                   | MC            | Na       |
| 1482    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 0362         | 004027      |          | Vinod K. Awasthi        | 8       | Production - CA      | MC            | Na       |
| 1483    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1651         | 107443      |          | Kumar Rahul             | 8       | Finance & Accounts   | MC            | Na       |
| 1484    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 7549         | 106677      |          | Mukul Gupta             | 9       | Production - VAP     | MC            | Na       |
| 1485    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 0140         | 003967      |          | Kailash Bhainsagar      | 10      | Production - VAP     | MC            | Na       |
| 1486    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 037          | 003966      |          | Sanjay Abrol            | 9       | Production - CA      | MC            | Na       |
| 1487    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1276         | 113327      |          | Rajiv Kumar Barnwal     | 9       | Mech Maint           | MC            | Na       |
| 1488    | 5-Oct-20      | Internal          | Functional    | Perform Next MYR Review            | LHR          | Rajeev Dubey | Classroom     | 1679         | 26792       |          | Sagar Khadda            | 9       | HR                   | MC            | Na       |
| 1489    | 6-Oct-20      | Internal          | Safety        | Basic Training on HIV, TB, Malaria | LHR          | B.B.Soni     | Classroom     | 9774         | 343018      |          | Hitesh Saharan Jangri   | 0       | ELECTRICAL           | PW            | Na       |
| 1490    | 6-Oct-20      | Internal          | Safety        | Basic Training on HIV, TB, Malaria | LHR          | B.B.Soni     | Classroom     | 9794         | 347014      |          | Vikrant Sen             | 0       | ELECTRICAL           | PW            | Na       |
| 1491    | 6-Oct-20      | Internal          | Safety        | Basic Training on HIV, TB, Malaria | LHR          | B.B.Soni     | Classroom     | 5034         | 140335      |          | Ramesh Mall             | 0       | MECHANICAL           | PW            | Na       |
| 1492    | 6-Oct-20      | Internal          | Safety        | Basic Training on HIV, TB, Malaria | LHR          | B.B.Soni     | Classroom     | 9773         | 109620      |          | Ashok Kumar Dabher      | 0       | CTDRCC               | PW            | Na       |

| Sl. No. | Training Date | Internal/External | Training Type | Program Name                 | Program Lead | Trainer Name | Training Mode | Emp. Card ID | Passcard ID | Location | Employee Name         | Job Bar | Department       | Employee Type | Emp. Ph. |
|---------|---------------|-------------------|---------------|------------------------------|--------------|--------------|---------------|--------------|-------------|----------|-----------------------|---------|------------------|---------------|----------|
| 1876    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1685         | 33241       |          | Tahed Gureshi         | S2      | Instrumentation  | NMC           | Na       |
| 1878    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1682         | 334081      |          | Animesh Koushal       | S2      | Electrical       | NMC           | Na       |
| 1879    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1684         | 332954      |          | Shivam Sharma         | S2      | Production - CA  | NMC           | Na       |
| 1880    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1683         | 333238      |          | Manish Dhakad         | S2      | Instrumentation  | NMC           | Na       |
| 1881    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1636         | 266076      |          | Ishwar Chaube         | S2      | Security         | NMC           | Na       |
| 1882    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1410         | 160728      |          | Vishal Kapoor         | S2      | Quality Control  | NMC           | Na       |
| 1883    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1678         | 333248      |          | Rodhe Shyam Lodhi     | S2      | Production - CA  | NMC           | Na       |
| 1884    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 0299         | 160695      |          | Lokesh KJ Soley       | S1      | Production - CA  | NMC           | Na       |
| 1885    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1344         | 160703      |          | Virendra Singh Bishri | S2      | Production - VAP | NMC           | Na       |
| 1886    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1660         | 309510      |          | Sandeep Kumar Yadav   | S3      | Production - VAP | NMC           | Na       |
| 1887    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1648         | 231195      |          | Bhupendra Raghunani   | S3      | Production - CA  | NMC           | Na       |
| 1888    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1655         | 233734      |          | Sunil Panhar          | S3      | Production - CA  | NMC           | Na       |
| 1889    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 1709         | 330652      |          | Abul Sen              | S3      | Quality Control  | NMC           | Na       |
| 1890    | 28-Nov-20     | Internal          | Behavioural   | Team Work and Collaboration  | LHR          | Guanodaya    | Classroom     | 001744       | 336187      |          | Ashish Tripathi       | S3      | Production - CA  | NMC           | Na       |
| 1891    | 30-Nov-20     | Internal          | Functional    | Gases and MSDA in SAP system | LHR          | Gopal Arora  | Classroom     | 1238         | 088720      |          | Sourav Shah           | 11      | Electrical       | MC            | Na       |
| 1892    | 30-Nov-20     | Internal          | Functional    | Gases and MSDA in SAP system | LHR          | Gopal Arora  | Classroom     | 1790         | 240959      |          | Ashutosh Kumar        | 11      | Stores           | MC            | Na       |
| 1893    | 30-Nov-20     | Internal          | Functional    | Gases and MSDA in SAP system | LHR          | Gopal Arora  | Classroom     | 0665         | 160631      |          | Prang Prasad Sharma   | 11      | Electrical       | MC            | Na       |
| 1894    | 30-Nov-20     | Internal          | Functional    | Gases and MSDA in SAP system | LHR          | Gopal Arora  | Classroom     | 1698         | 302960      |          | Rajendra Mishra Arora | S2      | Mechanical       | NMC           | Na       |



Screenshots of the Trailing record maintained



|    |  |  |
|----|--|--|
| 5. | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe | Required provision of the housing of construction labour within the site will be made with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health |
|----|--|--|



| S. No.   | EC Conditions   | Compliance Status  |
|--|---|--|
|  | drinking water, medical health care, creche etc.<br>The housing may be in the form of temporary structures to be removed after the completion of the project.   | care, creche etc. However most of the construction labour will be locally hired.                                   |
| 6.   | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.   | Details of the same has been incorporated in Specific Condition No. XXIII.   |
| 7.   | There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places  | Details of the same has been incorporated in Specific Condition No. XXV.   |
| <b>9. CORPORATE ENVIRONMENT RESPONSIBILITY</b> |   |  |
| 1  | The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.111 dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.  | Noted.   |
| 2  | The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. | Noted. The same has been laid down.  |
| 3  | A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.  | Separate environmental cell has been developed having a team of qualified personnel. The Hierarchy is given below. |

| S. No.                   | EC Conditions   | Compliance Status  |
|--------------------------|---|--|
|                          | <p style="text-align: center;"><u>EMS Hierarchical System</u></p> <pre> graph TD     A[Chlor Alkali and VFY Business] --&gt; B[SBU Head]     B --&gt; C[Unit Head]     B --&gt; D[Head Business Environment Cell]     C --&gt; E[Functional Head]     E --&gt; F[Department /Section Head]     D --&gt; G[Unit EHS Department/ Environment cell]     G --&gt; H[Department /Section Head]     G --- I[Environment Professionals]         </pre>   |  |
| 4.                       | <p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p> | <p>The year wise funds earmarked for environmental protection measures are being/ will be kept in separate account and will not to be diverted for any other purpose. Year wise progress of implementation of action plan will be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p> |
| 5.                       | <p>Self environmental audit shall be conducted annually. Every three years third party environmental audit shall he carried out.</p>  | <p>The Self environmental audit shall be conducted annually. The recent Audit is being conducted by NEERI, Nagpur.</p>   |
| <b>10. MISCELLANEOUS</b> |   |  |
| 1.                       | <p>The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular</p>  | <p>GIL has advertised in local newspaper reg. the receipt of EC from MoEFCC. The copy of newspaper advertisement is enclosed below. The copy of EC has been uploaded on the Company’s website.</p>   |

| S. No. | EC Conditions  | Compliance Status  |
|--------|--|--|
|        | language within seven days and in addition this shall also be displayed in the project proponent's website permanently.  |  |
|        |   |                          |
| 2.     | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.                               | The copies of environmental clearance are being submitted to the concerned offices.                        |
| 3.     | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.   | The same shall be done.  |
| 4.     | The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company. | The display board is located at the convenient location and the photographs of the same is enclosed below: |

| S. No.                                      | EC Conditions  | Compliance Status  |
|---|--|--|
|   |   |  |
| <b>Latest Screen shots of display board</b> |  |  |
| 5.  | The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.                                  | Noted.   |
| 6.  | The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company. | Noted.   |
| 7.  | The project proponent 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, commencing the land development work and start of production operation by the project.         | Noted.   |
| 8.  | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.   | Noted.   |
| 9.  | The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public   | Noted.   |

| S. No. | EC Conditions   | Compliance Status |
|--------|---|-------------------|
|        | Hearing and also that during their presentation to the Expert Appraisal Committee.  |                   |
| 10.    | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).  | Noted.            |
| 11     | Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act., 1986.   | Noted.            |
| 12     | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.   | Noted.            |
| 13     | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.   | Noted.            |
| 14     | The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.   | Noted.            |
| 15     | The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter. | Noted.            |

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| S. No. | EC Conditions  | Compliance Status |
|--------|--|-------------------|
| 16     | Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. | Noted.            |



**Annexure 1**

**Consents to operate**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 28/02/2022  
VALIDITY (H): 14/05/2024

CONSENT NO: \*\*\*

PCB ID: 19324

Outward No:9858520/05/2019  
NO: /MPPCB/UJJ

Consent No:AWH-49987

To,  
The Occupier,  
M/s. Grasim Industries Ltd., (Caustic Soda Unit I),  
City : Birlagram,  
Tal : Nagda, Dist : Ujjain, (M.P.)

**Subject:** Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Waste (Management & Trans Boundary Movement) Rules, 2016

**Ref:** Your renewal of Consent Application Receipt No. 755012 Dt. 29/12/2018 and last communication received on Dt.16/01/2019

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **28/02/2022** & authorization up to **14/05/2024**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Birlagram, Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment : Rs. 290.30 Crs
- Product & Production Capacity:

| Product             | CCA Qty / year                                      |
|---------------------|---|
| Caustic soda        | 1,26,000 T (One Lac Twenty Six Thousand Tonnes)     |
| Hydrochloric acid   | 37,000 T (Thirty Seven Thousand Tonnes)             |
| Hydrogen            | 3,130 T (Three Thousand One Hundred Thirty Tonnes)  |
| Liquid Chlorine     | 1,00,000 T ( One Lac Tonnes )                       |
| Sodium Hypochlorite | 4,320 T (Four Thousand Three Hundred Twenty Tonnes) |

Note:- For any change in above industry shall obtain fresh consent from the board.

Note- This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

The Validity of the consent shall be up to **28/02/2022** and authorization shall be up to **14/05/2024** and have to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent/Authorization**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* Conditions under other provisions



e-Signed On 20/05/2019 18:30:33  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # M1BWK89W3A

ACHYUT ANAND MISHRA  
Member Secretary





## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall be Nil and the daily quantity of sewage generation shall not exceed 25.0 KL/day

2. **Sewage Treatment :-** The applicant shall provide adequate sewage treatment system and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 100 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 1235.000 | WWG : 25.000 | Water Source |
|----|---|---------------|--------------|--------------|
| 1  | Cooling Water                               | 800.000       | 5.000        | Local Body   |
| 2  | Domestic Purpose                            | 35.000        | 25.000       |              |
| 3  | Mnfg Process                                | 800.000       | 0.000        |              |

3. The Sewage shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated sewage shall be discharged outside of industry premises.

4. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

#### **8. Compilation of Monitoring data-**

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### **9. Recording of Monitoring Activities & Results-**

- The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - The date, exact place and time of sampling
  - The dates on which analysis were performed
  - Who performed the analysis?
  - The analytical techniques or methods used and
  - The result of all required analysis

**Consent No:AWH-49987**



## **Consent Order**

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

### **10. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

### **11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

### **12. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

### **13. Disposal of Collected Solid Waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

### **14. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

### **15. Prohibition of By pass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

16. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

### **Additional Water condition:- (if any) :-**

1. The industry shall maintain the ZLD.

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### **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide adequate air pollution control system consisting of control equipments with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section        | Capacity        | Stack height(mtrs) | Fuel | Control equipment to be installed | Pollutants (mg/Nm <sup>3</sup> ) |
|------------------------|-----------------|--------------------|------|-----------------------------------|----------------------------------|
| Caustic Chlorine Plant | Alkali scrubber | 32                 | ---  | Scrubber                          | 50mg/Nm <sup>3</sup> Chlorine    |
| Caustic Chlorine Plant | Water scrubber  | 34                 | ---  | Scrubber                          | Gas 35 HCl Acid                  |
| Caustic Chlorine Plant | -               | 34                 | -    | Scrubber                          | Vapors                           |

2. Ambient air quality at the boundary of the industry premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as any leakages from vent/duct/vendor shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation at least in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:- (if any) :-**

- The industry shall install the HCl mist & Chlorine detection sensors within the plant premises and the same shall be connected to the public display system.
- The industry shall submit the sources emission monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.

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### **CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

#### **FORM-2 [See rule 6 (2) ]**

#### **FORM FOR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS OF WASTE GENERATION**

1. M/s Grasim Industries Ltd., (Caustic Soda Unit I) is hereby granted an authorization for generation, collection, storage, transport and safe disposal of Hazardous waste being generated from the premises situated at Birlagram, Tal : Nagda, Dist : Ujjain, (M.P.)

2. The authorization granted to operate a facility for generation, collection, reception, storage and transport of hazardous waste

| Category of Hazardous Waste as per the Schedules I of these rules                    | Mode of disposal   | Quantity (ton/annum) |
|--|--|----------------------|
| Used or Spent Oil (5.1)  | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 16.3 MT              |
| Chemical-containing residue arising from decontamination. (34.1)                     | CTSDF  | 0.65 MT              |
| Spent Carbon Or filter medium (36.2)   | CTSDF  | 0.38 MT              |
| Residue or sludges & filter cas (16.2)   | CTSDF  | 3500 MT              |
| Empty barrels/containers/liners contaminated with hazardous chemicals /wastes (33.1) | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 5.0 MT               |
| Oil And Grease, Skimming (35.4)  | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 1.0 MT               |
| Chemical sludge from waste water treatment (35.3)                                    |  | 100 MT               |
| Rubber (X08)   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 1.0 MT               |
| Asbestos Z 16  | Captive SLF  | 1.0 MT               |
| Filter Waste Z 37  | Captive SLF  | 1.0 MT               |
| Pvc & Plastic Waste Z 46   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 100.00 MT            |
| Glasswool Z 22   | Captive SLF  | 2.00 MT              |
| Chemical Waste (Solid) Z 33  | Captive SLF  | 10.00 MT             |
| Thermocol Z 50   | Captive SLF  | 0.100 MT             |
| Contaminated Sand Z 34   | Captive SLF  | 10.00 MT             |
| Oily Rags Z 41   | Captive SLF  | 1.00 MT              |
| FRP Waste  |  | 5.0 MT               |
| Used Membrane  |  | 5.0 MT               |
| Graphite Blocks  |  | 5.0 MT               |
| Discarded PPE  |  | 0.5 MT               |

3. The waste specified under hazardous waste stream as mentioned above shall be stored as per MoEF and CPCB guidelines issued time to time and disposed off as indicated in above table at SL. No. 3 as Hazardous and other Waste (Management & Trans Boundary Movement) Rules, 2016.

4. The authorization shall be in force for a period of Five years from **15/05/2019 to 14/05/2024**

5. The industry shall take all the steps wherever required, for reduction of the waste generated or for recycling or reuse.

6. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.

7. The authorization is subject to the terms & conditions as given below and to such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986. Violation of any of the conditions shall be liable for legal action as per provisions under Environment (Protection) Act, 1986.

#### **Terms and Condition Of Authorization**

1. The authorization shall comply with the provision of Environment (Protection) Act, 1986 and the rules made there under.

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2. The authorization or its renewal shall be produced during inspection on the request of the inspecting officer authorized by the State Pollution Control Board.
3. The authorized person shall not rent, lend, sale, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the State Pollution Control Board.
4. If the industry comes in such a category where insurance under Public Liability Insurance Act, is necessary, the industry shall comply with provision and submit a copy of the policy to the Board.
5. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorization.
6. The unit should maintain the records of hazardous wastes as per the Form-3 of rule 9 (1) and should online submit the annual return in Form No.4 as per the rule 9 (2) to this office on or before 31st January every year.
7. Details of auction/sale of non-ferrous hazardous waste should be submitted online in form no.13 to this office annually.
8. An on-site storage for waste for a maximum period of one year or a maximum quantity of 10 MT, whichever is less, should be provided and it shall be ensured that there is no leakage or seepage or spillage from surrounding walls or bottom. The site should be covered and properly protected to prevent the entry of rainwater in storage area.
9. It is the duty of authorized person to take prior permission of the M.P. Pollution Control Board to close down the facility.
10. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online quarterly.
11. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
12. The authorized person should inform the name and address of the contact person responsible for hazardous waste management.
13. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13 (i) of Hazardous and other Waste (Management and Trans Boundary Movement) Rules 2016 as amended up to date.

### **Additional Haz condition:- (if any) :-**

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.

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- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

#### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal                       |
|--|----------|--------------------------------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold off to authorized Vendor. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorization is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Trans Boundary Movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorization fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorization

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## Consent Order

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9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
  - (a) Violation of any terms and conditions of this Consent.
  - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
  - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### Additional condition:- (if any) :-

1. The industry shall ensure the transportation of the hazardous waste through the MPPCB authorized trucks/tankers provided with the GPS system, Blue colored with white strip painted as hazardous waste, as per CPCB guidelines issued.
2. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-Tilt Zoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.
3. The industry shall install ZLD system as per time bound action plan submitted to the Board else the bank guarantee shall be forfeit

Renewal of Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 and The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous and Other Waste (Management & Trans Boundary Movement) Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN **at least Six months before the date of expiry of this consent/authorization**. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

ACHYUT ANAND MISHRA  
Member Secretary



e-Signed On 20/05/2019 18:30:33  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # M1BWK89W3A

**Consent No:AWH-49987**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 31/01/2022

CONSENT NO: \*\*\*

PCB ID: 19353

NO: /MPPCB/UJJ

To,  
**The Occupier,**  
**M/s. Grasim Industries Limited ( Caustic Soda Membrane Cell Unit- 2),**  
**Birlagram, City : Nagda,**  
**Tal : Nagda, Dist : UjjainSIDC : I/A Mehatwas Nagda**

**Subject:** Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

**Ref:** Your renewal of Consent Application Receipt No. 755048 Dt. 29/12/2018 and last communication received on Dt. 11/01/2019

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **31/01/2022**, subject to the fulfillment of the terms & conditions mentioned in original consent letter and , enclosed with this letter and -

**SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location:** Birlagram, Nagda, Tal : Nagda, Dist : Ujjain
- The capital investment :** Rs. 263.73 Cr.
- Product & Production Capacity:**

| Product                                       | CCA Qty/ Month                                      |
|---|---|
| Caustic Soda (Membrane Cell Technology Based) | 12000 MT (Twelve Thousand Metric Tonnes)            |
| Hydrochloric acid (100%)                      | 3500 MT (Three Thousand Five Hundred Metric Tonnes) |
| Hydrogen                                      | 300 MT (Three Hundred Metric Tonnes)                |
| Liquid Chlorine                               | 9600 MT ( Nine Thousand Six Hundred Metric Tonnes)  |
| Sodium Hypo Chlorite                          | 4100 MT (Four Thousand One Hundred Metric Tonnes)   |
| Hydrogen (Compressed)                         | 80 MT (Eighty Metric Tonnes)                        |

**Note:- (1) For any change in above industry shall obtain fresh consent from the board.**

- (2) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.
- (3) The hydrochloric acid generated from control arrangement shall be treated as hazardous waste and same shall be handled and transported as per category 33.1 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

The Validity of the consent shall be up to **31/01/2022** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

**Enclosures:-**

- \* Conditions under Water Act
- nder Air Act
- ditions



e-Signed On 18/02/2019 19:18:53  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # KVBA7P498X

**ACHYUT ANAND MISHRA**  
Member Secretary

**Consent No:AW-49580,Validity:31/01/2022, Outward No:88151,18/02/2019**





# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall not exceed **140 KL/day**, and the daily quantity of sewage generation shall not exceed **25 KL/day**.

### **2. Trade Effluent Treatment:-**

The applicant shall operate and maintained ETP, RO MEE and Dryer to maintain zero discharge from the plant and in case of accidental discharge industry shall achieve following standards-

|                  |            |           |           |            |            |
|------------------|------------|-----------|-----------|------------|------------|
| pH               | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD 3 Days 270C  | Not exceed | 30 mg/l.  |           |            |            |
| COD              | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease   | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                  |            |           |
|------------------|------------|-----------|
| pH               | Between    | 5.5 – 9.0 |
| Suspended Solids | Not exceed | 100 mg/l. |
| BOD 3 Days 270C  | Not exceed | 30 mg/l.  |
| COD              | Not exceed | 250 mg/l. |
| Oil and grease   | Not exceed | 10 mg/l.  |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements

| Sr. No. | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 1235.000 | WWG : 165.000 | Water Source |
|---------|---|---------------|---------------|--------------|
| 1       | Cooling Water                               | 600.000       | 5.000         | Local Body   |
| 2       | Domestic Purpose                            | 35.000        | 25.000        |              |
| 3       | Mnfg Process                                | 600.000       | 130.000       |              |

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **10. Compilation of Monitoring Data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications

Consent No: A W-49580, Validity: 31/01/2022, Outward No: 88151, 18/02/2019



and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### **11. Recording of Monitoring Activities & Results-**

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### **12. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### **13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### **14. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### **15. Disposal of Collected Solid Waste / Sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

#### **16. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### **17. Prohibition of By pass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

#### **Additional Water condition:- (if any) :-**

1. The industry shall maintain ZLD.



## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section        | Capacity        | Stack height(mtrs) | Fuel | Control equipment to be installed | HCl (mg/Nm <sup>3</sup> )   |
|------------------------|-----------------|--------------------|------|-----------------------------------|---|
| Caustic Chlorine Plant | Alkali scrubber | 34                 | ---  | Scrubber,                         | 35 mg/Nm <sup>3</sup> and other parameters as per the industry specific norms |
| Caustic Chlorine Plant | Water scrubber  | 34                 | ---  | Scrubber,                         |   |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM10 µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM2.5 µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NOx] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:- (if any) :-**

- The industry shall install the HCl mist & Chlorine detection sensors within the plant premises and the same shall be connected to the public display system.
- The industry shall submit the sources emission monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal   |
|--|----------|--|
| Scrap/ Plastic packing material wood, card board, gunny bogs etc |          | Sale to authorized party/As Per CPCB. MoEF Guide lines / Others. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent.

9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

**Consent No:AW-49580,Validity:31/01/2022, Outward No:88151,18/02/2019**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **Additional condition:- (if any) :-**

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-TiltZoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.

Consent as required under the Water (Prevention & Control of Pollution) Act,1974 , the Air (Prevention & Control of Pollution) Act,1981 is renewed to your industry subject to fulfillment of all the conditions mentioned above. For further renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 18/02/2019 19:18:53  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # KVBA7P498X

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AW-49580,Validity:31/01/2022, Outward No:88151,18/02/2019**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 30/04/2022

CONSENT NO: \*\*\*

PCB ID: 19443

Outward No:98546.13/05/2019  
NO: /MPPCB/UJJ

Consent No:AW-49949

To,  
The Occupier,  
M/s. Grasim Industries Limited ( Stable Bleaching Powder Plant),  
BIRLAGRAM, City : NAGDA,  
Tal : Nagda, Dist : Ujjain, (M.P.)

Subject: Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your renewal of Consent Application Receipt No. 755643 Dt. 29/12/2018 and last communication received on Dt.28/12/2018

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **30/04/2022**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: BIRLAGRAM, City : NAGDA, Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment : Rs. 6.41 Crs
- Product & Production Capacity:

| Product                 | Applied Qty / Month  |
|-------------------------|--|
| STABLE BLEACHING POWDER | 2453 MT<br>(Two Thousand Four Hundred Fifty Three Metric Tonnes Per Month) |

Note:- (1) For any change in above industry shall obtain fresh consent from the board.

- (2) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

The Validity of the consent shall be up to **30/04/2022** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* General conditions



e-Signed On 13/05/2019 16:22:09  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # J3OH2P5OE1

ACHYUT ANAND MISHRA  
Member Secretary



## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall not exceed **15.0 KL/day** and the daily quantity of sewage generation shall not exceed **5.0 KL/day**

### **2. Trade Effluent Treatment:-**

The applicant shall provide adequate effluent treatment system and maintain to achieve zero liquid discharge and maintain the same properly so that incase of accidental discharge following standards shall be achieve -

|   |            |           |           |            |            |
|---|------------|-----------|-----------|------------|------------|
| pH                                      | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids                        | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD <sub>3</sub> Days 27 <sup>0</sup> C | Not exceed | 30 mg/l.  |           |            |            |
| COD                                     | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease                          | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide adequate sewage treatment system and maintain the same properly to achieve following standards-

|   |            |           |
|---|------------|-----------|
| pH                                      | Between    | 5.5 – 9.0 |
| Suspended Solids                        | Not exceed | 100 mg/l. |
| BOD <sub>3</sub> Days 27 <sup>0</sup> C | Not exceed | 30 mg/l.  |
| COD                                     | Not exceed | 250 mg/l. |
| Oil and grease                          | Not exceed | 10 mg/l.  |

4. The effluent/Sewage shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent/sewage shall be discharged outside of industry premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **9. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

### **10. Recording of Monitoring Activities & Results-**

**Consent No:AW-49949**



- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### **11. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### **12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### **13. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### **14. Disposal of Collected Solid waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

#### **15. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### **16. Prohibition of By pass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

#### **Additional Water condition:- (if any) :-**

1. The industry shall conduct mock drills for chlorine sensors and detectors at least on monthly basis to ensure its functioning and submit the date wise compliance with the quarterly reports.
2. Industry shall provide adequate facility for the collection of effluent generated from the washery process .
3. Industry shall fully comply with all the recommendations made in Nagda-Ratlam action plan finalized by CPCB vide their letter No. B29012/23/93/PCI-I/9079, Dt. 04.06.98.





## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide adequate air pollution control system consisting of control equipments with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section | Capacity                   | Stack height(mtrs) | Control equipment to be installed   | P.M.  |
|-----------------|----------------------------|--------------------|---|---|
| Chlorination    | Attached to dedusting unit | 30                 | Bag Filter, Cyclone ,Dust Collector, Gravity Settling Chamber, Hood Cover | 150 mg/Nm <sup>3</sup> & noise as per EPA Rules 1986 amended up to date |

2. Ambient air quality at the boundary of the industry premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  (PM<sub>10</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  (PM<sub>2.5</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as any leakages from duct/vent/vendor shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages etc.

9. Industry shall take effective steps for extensive tree plantation at least in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:- (if any) :-**

- The industry shall conduct mock drills for chlorine sensors and detectors at least on monthly basis to ensure its functioning and submit the date wise compliance with the quarterly reports.
- Industry shall maintain and continuously operate the existing facility to control emission during the lime dosing process..
- Industry shall fully comply with all the recommendations made in Nagda-Ratlam action plan finalized by CPCB vide their letter No. B29012/23/93/PCI-I/9079, Dt. 04.06.98



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal                     |
|--|----------|------------------------------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold of to authroised vendor |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent.

9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **Additional condition:- (if any) :-**

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-TiltZoom(PTZ) feature, minimum focal length 5X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal.
2. The industry shall not store the MEE Salt in open and kuchha area and beyond the limit prescribed in hazardous waste management Rules, 2016.

Renewal of Consent as required under the Water (Prevention & Control of Pollution) Act,1974 and The Air (Prevention & Control of Pollution) Act,1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For further renewal purpose you shall have to make an application to this Board through XGN **at least Six months before the date of expiry of this consent.** The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 13/05/2019 16:22:09  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # J3OH2P5OE1

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AW-49949**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 30/09/2019

CONSENT NO: \*\*\*

PCB ID: 19432

NO: /MPPCB/UJJ

To,  
The Occupier,  
Ms. Grasim Industries Limited ( Chlorinated Paraffin Unit),  
Birlagram, City : Nagda  
Tal : Nagda, Dist : Ujjain, SIDC : I/A Mehatwas Nagda

Subject: Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981.

Ref: Your renewal of Consent Application Receipt No. 685938 Dt. 31/05/2018 and last communication received on Dt. 24/07/2018.

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **30/09/2019**, subject to the fulfillment of the terms & conditions mentioned in original consent letter and enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Birlagram, Nagda, Ujjain
- The capital investment : Rs. 9.50 Crs
- Product & Production Capacity:

| Product              | CCA Qty  |
|----------------------|--|
| Chlorinated Paraffin | 75 TPD ( 27000 TPA)<br><br>(Seventy Five Tonnes Per Day)<br>(Twenty Seven Thousand Tonnes Per Annum) |

Note- (1) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

(2) The industry shall not be absolved with applicability of EIA notification 2006 and shall obtain the same from MoEFCC within 6 months from date of issue of this letter. This renewal of consent shall not be treated as matter of proof that industry has not violated environmental regulation in the past.

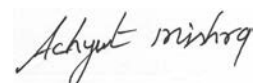
The Validity of the consent is up to **30/09/2019** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent/ Authorization**. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act

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TPAV # V4UXJOPD36



ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AW-48658,Validity:30/09/2019, Outward No:77131,03/08/2018, TPAV # V4UXJOPD36**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall not exceed **2.000 KL/day**, and the daily quantity of sewage generation shall not exceed **1 KL/day**.

### **2. Trade Effluent Treatment:-**

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                  |            |           |           |            |            |
|------------------|------------|-----------|-----------|------------|------------|
| pH               | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD 3 Days 270C  | Not exceed | 30 mg/l.  |           |            |            |
| COD              | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease   | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                  |            |           |
|------------------|------------|-----------|
| pH               | Between    | 5.5 – 9.0 |
| Suspended Solids | Not exceed | 100 mg/l. |
| BOD 3 Days 270C  | Not exceed | 30 mg/l.  |
| COD              | Not exceed | 250 mg/l. |
| Oil and grease   | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 142.000 | WWG : 3.000 | Water Source |
|----|---|--------------|-------------|--------------|
| 1  | Cooling Water                               | 40.000       | 2.000       | Other        |
| 2  | Domestic Purpose                            | 2.000        | 1.000       |              |
| 3  | Mnfg Process                                | 100.000      | 0.000       |              |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **9. Compilation of Monitoring Data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

**Consent No:AW-48658, Validity:30/09/2019, Outward No:77131,03/08/2018, TPAV # V4UXJOPD36**



## 10. Recording of Monitoring Activities & Results-

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

## 11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

## 12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

## 13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

## 14. Disposal of Collected Solid Waste/ Sludge -

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

## 15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

## 16. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

## **Additional Water condition:-**

1. The industry shall maintain Zero Liquid Discharge (ZLD) from the industry .



## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section | Capacity         | Stack height(mtrs) | Fuel | Control equipment to be installed | HCl (mg/Nm <sup>3</sup> ) |
|-----------------|------------------|--------------------|------|-----------------------------------|---------------------------|
| Chlorination    | Alkali Scrubbing | 30                 | ---  | Scrubber,                         | 35                        |
| Chlorination    | Water Scrubber   | 30                 | ---  | Scrubber                          |                           |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  ( $\text{PM}_{10}$   $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  ( $\text{PM}_{2.5}$   $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [ $\text{SO}_2$ ] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [ $\text{NO}_x$ ] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [ $\text{CO}$ ] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:-**

- The industry shall install real time online HCl mist & Chlorine monitoring system and the same shall be connected to the public display system along with MPPCB Environmental surveillance center Bhopal within 6 months from date of issue of this letter .
- The industry shall submit the sources and ambient monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal                      |
|--|----------|-------------------------------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold Of to authorized vendors |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.





## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **Additional condition:-**

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-Tilt-Zoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , and the Air (Prevention & Control of Pollution) Act,1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 03/08/2018 12:46:59  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # V4UXJOPD36

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AW-48658, Validity:30/09/2019, Outward No:77131,03/08/2018, TPAV # V4UXJOPD36**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 31/08/2019  
VALIDITY (H): 11/04/2023

CONSENT NO: \*\*\*

PCB ID: 19455

NO: /MPPCB/UJJ

To,

The Occupier,  
M/s. Grasim Industries Limited ( Poly Aluminium Chloride Plant),  
Birlagram, City : Nagda, SIDC : I/A Mehatwas Nagda  
Tal : Nagda, Dist : Ujjain, Pin - 456331 (M.P.)

**Subject:** Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016

**Ref:** Your Renewal of consent & Authorization Application Receipt No. 673620 Dt. 21/04/2018 and last communication received on Dt.08/05/2018

With reference to your above application for renewal of consent & Authorization has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **31/08/2019** & authorisation up to **11/04/2023**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

**SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location: Birlagram, City : Nagda-456331 Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment in : Rs. 21.00 Crs
- Product & Production Capacity:

| Product                 | Applied Qty / year   |
|-------------------------|--|
| Poly Aluminium Chloride | 27,720 MT<br>(TWENTY SEVEN THOUSAND SEVEN HUNDRED TWENTY MERIC TONNES) |

Note:- For any change in above industry shall obtain fresh consent from the board.

The Validity of the consent will be up to **31/08/2019** and Authorization up to **11/04/2023** and has to be renewed before expiry of the validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent/Authorization**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

**Enclosures:-**

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 01/06/2018 16:24:04  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # EJ6KVJQ8XX

ACHYUT ANAND MISHRA  
Member Secretary

Consent No:AWH-48385,Validity:31/08/2019,Hazd Validity:11/04/2023, Outward No:66821,01/06/2018, TPAV # EJ6KVJQ8XX



## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall not exceed **10.0 KL/day** and the daily quantity of sewage generation shall not exceed **1.0 KL/day**

### **2. Trade Effluent Treatment:-**

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |           |           |            |            |
|----------------------------|------------|-----------|-----------|------------|------------|
| pH                         | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids           | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |           |            |            |
| COD                        | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease             | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 10 mg/l.  |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 160.000 | WWG : 11.000 | Water Source |
|----|---|--------------|--------------|--------------|
| 1  | Cooling Water                               | 70.000       | 5.000        | Local Body   |
| 2  | Mnfg Process                                | 85.000       | 5.000        |              |
| 3  | Domesic                                     | 5.000        | 1.000        |              |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements..

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **10. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of



the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### **11. Recording of Monitoring Activities & Results-**

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### **12. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### **13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### **14. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### **15. Disposal of Collected Solid Waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

#### **16. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### **17. Prohibition of By pass system of treatment facilities -**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

#### **Additional Water condition:- (if any) :-**

1. The industry shall treat the waste water through ETP, RO, MEE & dryer to achieve Zero Liquid Discharge.
2. The sewage shall be treated in common Sewage Treatment Plant & treated water shall be utilized with in plant for plantation, cooling, etc. and shall ensure zero discharge from the premises.



## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section    | Capacity       | Stack height(mtrs) | Fuel | Control equipment to be installed | P.M., Acid Mist, Cl2 (mg/Nm <sup>3</sup> ) |
|--------------------|----------------|--------------------|------|-----------------------------------|--|
| Acid Mists         | water scrubber | 34                 | HSD  | Scrubber,                         | 50, 35,15                                  |
| Spray Dyer (3 Nos) | dryer          | 34                 | -    | Scrubber,                         | 50, 35,15                                  |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  (PM<sub>10</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  (PM<sub>2.5</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

**Additional Air condition:- (if any) :-**



**CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

**FORM-2**  
**[See rule 6 (2) ]**

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS OF WASTE GENERATION**

1. M/S Grasim Industries Limited ( Poly Aluminium Chloride Plant) is hereby granted the authorization for generation, collection, storage, transport and safe disposal of Hazardous waste being generated from the premises situated at - Birlagram, City : Nagda-456331 Tal : Nagda, Dist : Ujjain, (M.P.)

2. The authorization granted to operate a facility for generation, collection, reception, storage and transport of hazardous waste

| Category of Hazardous Waste as per the Schedules I of these rules | Mode of disposal   | Quantity (ton/annum) |
|---|--|----------------------|
| Used or Spent Oil (5.1)   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 3.0 MT               |

3. The waste specified under hazardous waste stream as mentioned above shall be stored as per MoEF and CPCB guidelines issued time to time and disposed off as indicated in above table as per Hazardous and other Waste (Management & Transboundary movement) Rules, 2016.

4. The authorization shall be in force for a period of Five years from **12/04/2018 to 11/04/2023**.

5. The industry shall take all the steps wherever required, for reduction of the waste generated or for recycling or reuse.

6. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.

7. The authorisation is subject to the terms & conditions as given below and to such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986. Violation of any of the conditions shall be liable for legal action as per provisions under Environment (Protection) Act, 1986.

**Terms and Condition Of Authorisation**

1. The authorisation shall comply with the provision of Environment (Protection) Act, 1986 and the rules made there under.

2. The authorisation or its renewal shall be produced during inspection on the request of the inspecting officer authorized by the State Pollution Control Board.

3. The authorized person shall not rent, lend, sale, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the State Pollution Control Board.

4. If the industry comes in such a category where insurance under Public Liability Insurance Act, is necessary, the industry shall comply with provision and submit a copy of the policy to the Board.

5. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.

6. The unit should maintain the records of hazardous wastes as per the Form-3 of rule 9 (1) and should online submit the annual return in Form No.4 as per the rule 9 (2) to this office on or before 31st January every year.

7. Details of auction/sale of non-ferrous hazardous waste should be submitted online in form no.13 to this office annually.

8. An on-site storage for waste for a maximum period of one year or a maximum quantity of 10 MT, whichever is less, should be provided and it shall be ensured that there is no leakage or seepage or spillage from surrounding walls or bottom. The site should be covered and properly protected to prevent the entry of rainwater in storage area.



9. It is the duty of authorized person to take prior permission of the M.P. Pollution Control Board to close down the facility.
10. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online quarterly.
11. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
12. The authorized person should inform the name and address of the contact person responsible for hazardous waste management.
13. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13 (i) of Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 as amended up to date.
14. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on Fax/telephone/email-it\_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per rule -10 of Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 as amended up to date.

**Additional Haz condition:- (if any) :-**

### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal  |
|--|----------|---|
| Scrap/ Plastic packing material wood, card board, gunny bogs etc | -        | To be sold to the authorized vendors.             |
| Un reacted Alumina Hydrate Sludge                                | 20 MT    | To be disposed of scientifically as per the rules |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.





## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### Additional condition:- (if any) :-

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-Tilt-Zoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 01/06/2018 16:24:04  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # EJ6KVJQ8XX

ACHYUT ANAND MISHRA  
Member Secretary



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 30/11/2019

CONSENT NO: \*\*\*

PCB ID: 19354

NO: /MPPCB/UJJ

To,  
The Occupier,  
M/s. Grasim Industries Limited (Chlosulphonic Acid Plant),  
Birlagram, City : Nagda,  
Tal : Nagda, Dist : Ujjain, SIDC : I/A Mehatwas Nagda, (M.P.)

Subject: Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your renewal of Consent Application Receipt No. 720858 Dt. 30/10/2018 .

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **30/11/2019**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Birlagram, City : Nagda, Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment : Rs. 12.66 Crs
- Product & Production Capacity:

| Product              | Applied Qty / Year  |
|----------------------|---|
| CHLOROSULPHONIC ACID | 23,400 MT<br>(Twenty Three Thousand Four Hundred Metric Tonnes) |

Note:- For any change in above industry shall obtain fresh consent from the board.

**Note- This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.**

The Validity of the consent shall be up to **30/11/2019** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this **office 6 months before expiry of the consent**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* General conditions



e-Signed On 11/12/2018 12:28:31  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 5FM2Y47QI3

ACHYUT ANAND MISHRA  
Member Secretary

Consent No:AW-49164,Validity:30/11/2019, Outward No:87691,11/12/2018



## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall Nil and the daily quantity of sewage generation shall not exceed **1.60 KL/day**

2. **Sewage Treatment :-** The applicant shall provide adequate sewage treatment system and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 100 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

3. The effluent/Sewage shall be treated up to prescribed Standards and use in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry premises.

4. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

| Sr. No. | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 32.000 | WWG : 1.600 | Water Source |
|---------|---|-------------|-------------|--------------|
| 1       | Mnfg Process                                | 30.000      | 0.000       | Local Body   |
| 2       | Domestic                                    | 2.000       | 1.600       |              |

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **8. Compilation of Monitoring data-**

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

### **9. Recording of Monitoring activities and results-**

- The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- The date, exact place and time of sampling
- The dates on which analysis were performed

**Consent No:AW-49164,Validity:30/11/2019, Outward No:87691,11/12/2018**



- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### **10. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### **11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### **12. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### **13. Disposal of Collected Solid waste/sludge-**

All hazardous waste/sludge shall be disposed of in safe manner.

#### **14. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### **15. Prohibition of By pass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

16. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

#### **Additional Water condition:-**

- 1. The industry shall treat its trade effluent (if any) in the ETP, RO, MEE and dryer commonly installed by the group to remain ZLD & Sewage shall be sent to the STP.
- 2. In no case treated / untreated waste shall be allow to discharge outside the premises.



## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide adequate air pollution control system consisting of control equipments Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section     | Capacity                                | Stack height | Control equipment to be installed | P.M., Acid Mist, Cl <sub>2</sub> (mg/Nm <sup>3</sup> ) | Monitoring arrangements to be provided                    |
|---------------------|---|--------------|-----------------------------------|--|---|
| Chloro-Sulphonation | H <sub>2</sub> SO <sub>4</sub> scrubber | 30M          | Scrubber                          | --, 50, --   | Online realtime monitoring of Acid mist                   |
| Chloro-Sulphonation | water scrubber vent                     | 30M          | Scrubber                          | 50, 35, 15   | Online realtime monitoring of Acid mist & Cl <sub>2</sub> |

2. Ambient air quality at the boundary of the industry premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages .

9. Industry shall take effective steps for extensive tree plantation at least in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:-**

- Industry shall install Continuous Emission Monitoring System (CSEMS) stations to monitor emissions from the different scrubbers and shall provide connectivity of CSEMS with Environment Surveillance Center at the HQ of M.P. Pollution Control Board.
- The industry shall monitor the sources of emission regularly and submit report to the Board on monthly basis.



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal   |
|--|----------|--|
| Scrap/ Plastic packing material wood, card board, gunny bags etc |          | Sale to authorized party/As Per CPCB. MoEF Guide lines / Others. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent.

9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### Additional condition:-

1. The industry shall ensure proper maintenance and operation of the "Outdoor HD Industrial grade IP (Internet Protocol) cameras with PanTilt-Zoom (PTZ) feature, minimum focal length 5X with night vision facility and tamper proof mechanism" installed at industry to display all emission sources and effluent discharge points and connect the same with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal for remote surveillance.
2. The industry shall obtain the public liability insurance under Public Liability Act 1991 and shall maintain valid copy of the same (if Applicable).
3. The industry shall submit a copy of the Onsite Emergency Plan/ Disaster Management Plan duly approved by Department of Industrial Health & Safety(if Applicable).
4. The industry shall obtain membership of Emergency Response Center, MPPCB, Bhopal(if Applicable).

Renewal of Consent as required under the Water (Prevention & Control of Pollution) Act,1974 and The Air (Prevention & Control of Pollution) Act,1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For further renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 11/12/2018 12:28:31  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 5FM2Y47QI3

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AW-49164,Validity:30/11/2019, Outward No:87691,11/12/2018**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-MEDIUM

CCA-Renewal

VALIDITY (A/W): 31/07/2021

CONSENT NO: \*\*\*

PCB ID: 25471

Outward No:98511.06/05/2019  
NO: /MPPCB/UJJ

Consent No:AW-49920

To,  
The Occupier,  
M/s. Grasim Industries Ltd., Chemical Division (Calcium Chloride Mfg. Unit),  
Survey No.-22/1, City : Birlagram Nagda,  
Tal : Nagda, Dist : Ujjain, (M.P.)

Subject: Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your Consent to Operate Application Receipt No. 756373 Dt. 16/01/2019 and last communication dt. 05.03.2019.

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **31/07/2021**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Survey No.-22/1, Birlagram Nagda, City : Birlagram Nagda, Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment : Rs. 29.00 Crs
- Product & Production Capacity:

| Product                         | Applied Qty / Day                          |
|---------------------------------|--|
| Calcium Chloride                | 150 MT<br>(One Hundred Fifty Metric Tonne) |
| Carbon Di Oxide                 | 66 MT<br>(Sixty Six Metric Tonne)          |
| DG-Set (Electricity generation) | 2 x 2000 KVA                               |

- Note:- (1) For any change in above industry shall obtain fresh consent from the board.  
(2) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

The Validity of the consent shall up to **31/07/2021** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act

Digitally Sign with Aadhaar  
eSign  
Sending from UIDAI server

e-Signed On 06/05/2019 12:49:37  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 4P985BKAI5

ACHYUT ANAND MISHRA  
Member Secretary





## CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent generation shall not exceed **5.0 KL/day** and the daily quantity of sewage generation shall not exceed **1.0 KL/day**

### 2. Trade Effluent Treatment:-

The applicant shall provide adequate effluent treatment system Board and maintain the same properly to achieve following standards-

|                            |            |           |           |            |            |
|----------------------------|------------|-----------|-----------|------------|------------|
| pH                         | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids           | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |           |            |            |
| COD                        | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease             | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide adequate sewage treatment system Board and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 100 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 80.000 | WWG : 6.000 | Water Source |
|----|---|-------------|-------------|--------------|
| 1  | Domestic Purpose                            | 5.000       | 1.000       | Local Body   |
| 2  | Mnfg Process                                | 75.000      | 5.000       |              |

4. The effluent/Sewage shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent/Sewage shall be discharged outside of industry premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### 8. Compilation of Monitoring data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.



## 9. Recording of Monitoring Activities & Results-

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

## 10. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

## 11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

## 12. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

## 13. Disposal of Collected Solid Waste/Sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

## 14. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

## 15. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

16. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

## **Additional Water condition:- (if any) :-**

1. The industry shall maintain the ZLD from the unit all the time.



## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide adequate air pollution control system consisting of control equipments Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section | Capacity     | Stack height(mtrs) | Fuel   | Control equipment to be installed | Emission limits                |
|-----------------|--------------|--------------------|--------|-----------------------------------|--------------------------------|
| D.G. Sets       | 2 x 2000 KVA | 30                 | DIESEL | accoustic enclosure,              | As MoEF/CPCB guidelines.       |
| Driers          |              | 34                 | ---    | Scrubber                          | HCl – 35 (mg/Nm <sup>3</sup> ) |

2. Ambient air quality at the boundary of the industry premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  (PM<sub>10</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  (PM<sub>2.5</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as any leakages from duct/vent/vendor shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation at least in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:- (if any) :-**

- The industry shall install the HCl mist & Chlorine detection sensors within the plant premises and the same shall be connected to the public display system.
- The industry shall submit the sources emission monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste adequate in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal                     |
|--|----------|------------------------------|
| Scrap/ Plastic packing material wood, card board, gunny bags etc |          | Sold of to authorized vendor |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent.

9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### Additional condition:- (if any) :-

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-TiltZoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.

Renewal of Consent as required under the Water (Prevention & Control of Pollution) Act,1974 and The Air (Prevention & Control of Pollution) Act,1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For Further renewal purpose you shall have to make an application to this Board through XGN **at least Six months before the date of expiry of this consent.** The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 06/05/2019 12:49:37  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 4P985BKAI5

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AW-49920**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 31/08/2019  
VALIDITY (H): 11/04/2023

CONSENT NO: \*\*\*

PCB ID: 19455

NO: /MPPCB/UJJ

To,

The Occupier,  
M/s. Grasim Industries Limited ( Poly Aluminium Chloride Plant).  
Birlagram, City : Nagda, SIDC : I/A Mehatwas Nagda  
Tal : Nagda, Dist : Ujjain, Pin - 456331 (M.P.)

**Subject:** Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016

**Ref:** Your Renewal of consent & Authorization Application Receipt No. 673620 Dt. 21/04/2018 and last communication received on Dt.08/05/2018

With reference to your above application for renewal of consent & Authorization has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **31/08/2019** & authorisation up to **11/04/2023**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

**SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location: Birlagram, City : Nagda-456331 Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment in : Rs. 21.00 Crs
- Product & Production Capacity:

| Product                 | Applied Qty / year   |
|-------------------------|--|
| Poly Aluminium Chloride | 27,720 MT<br>(TWENTY SEVEN THOUSAND SEVEN HUNDRED TWENTY MERIC TONNES) |

Note:- For any change in above industry shall obtain fresh consent from the board.

The Validity of the consent will be up to **31/08/2019** and Authorization up to **11/04/2023** and has to be renewed before expiry of the validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent/Authorization**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

**Enclosures:-**

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 01/06/2018 16:24:04  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # EJ6KVJQ8XX

ACHYUT ANAND MISHRA  
Member Secretary

Consent No:AWH-48385,Validity:31/08/2019,Hazd Validity:11/04/2023, Outward No:66821,01/06/2018, TPAV # EJ6KVJQ8XX



## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall not exceed **10.0 KL/day** and the daily quantity of sewage generation shall not exceed **1.0 KL/day**

### **2. Trade Effluent Treatment:-**

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |           |           |            |            |
|----------------------------|------------|-----------|-----------|------------|------------|
| pH                         | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids           | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |           |            |            |
| COD                        | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease             | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 10 mg/l.  |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 160.000 | WWG : 11.000 | Water Source |
|----|---|--------------|--------------|--------------|
| 1  | Cooling Water                               | 70.000       | 5.000        | Local Body   |
| 2  | Mnfg Process                                | 85.000       | 5.000        |              |
| 3  | Domesic                                     | 5.000        | 1.000        |              |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements..

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **10. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of



the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### **11. Recording of Monitoring Activities & Results-**

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### **12. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### **13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### **14. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### **15. Disposal of Collected Solid Waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

#### **16. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### **17. Prohibition of By pass system of treatment facilities -**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

#### **Additional Water condition:- (if any) :-**

1. The industry shall treat the waste water through ETP, RO, MEE & dryer to achieve Zero Liquid Discharge.
2. The sewage shall be treated in common Sewage Treatment Plant & treated water shall be utilized with in plant for plantation, cooling, etc. and shall ensure zero discharge from the premises.





## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section    | Capacity       | Stack height(mtrs) | Fuel | Control equipment to be installed | P.M., Acid Mist, Cl2 (mg/Nm <sup>3</sup> ) |
|--------------------|----------------|--------------------|------|-----------------------------------|--|
| Acid Mists         | water scrubber | 34                 | HSD  | Scrubber,                         | 50, 35,15                                  |
| Spray Dyer (3 Nos) | dryer          | 34                 | -    | Scrubber,                         | 50, 35,15                                  |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  (PM<sub>10</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  (PM<sub>2.5</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

**Additional Air condition:- (if any) :-**



**CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

**FORM-2**  
**[See rule 6 (2) ]**

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS OF WASTE GENERATION**

1. M/S Grasim Industries Limited ( Poly Aluminium Chloride Plant) is hereby granted the authorization for generation, collection, storage, transport and safe disposal of Hazardous waste being generated from the premises situated at - Birlagram, City : Nagda-456331 Tal : Nagda, Dist : Ujjain, (M.P.)

2. The authorization granted to operate a facility for generation, collection, reception, storage and transport of hazardous waste

| Category of Hazardous Waste as per the Schedules I of these rules | Mode of disposal   | Quantity (ton/annum) |
|---|--|----------------------|
| Used or Spent Oil (5.1)   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 3.0 MT               |

3. The waste specified under hazardous waste stream as mentioned above shall be stored as per MoEF and CPCB guidelines issued time to time and disposed off as indicated in above table as per Hazardous and other Waste (Management & Transboundary movement) Rules, 2016.

4. The authorization shall be in force for a period of Five years from **12/04/2018 to 11/04/2023**.

5. The industry shall take all the steps wherever required, for reduction of the waste generated or for recycling or reuse.

6. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.

7. The authorisation is subject to the terms & conditions as given below and to such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986. Violation of any of the conditions shall be liable for legal action as per provisions under Environment (Protection) Act, 1986.

**Terms and Condition Of Authorisation**

1. The authorisation shall comply with the provision of Environment (Protection) Act, 1986 and the rules made there under.

2. The authorisation or its renewal shall be produced during inspection on the request of the inspecting officer authorized by the State Pollution Control Board.

3. The authorized person shall not rent, lend, sale, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the State Pollution Control Board.

4. If the industry comes in such a category where insurance under Public Liability Insurance Act, is necessary, the industry shall comply with provision and submit a copy of the policy to the Board.

5. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.

6. The unit should maintain the records of hazardous wastes as per the Form-3 of rule 9 (1) and should online submit the annual return in Form No.4 as per the rule 9 (2) to this office on or before 31st January every year.

7. Details of auction/sale of non-ferrous hazardous waste should be submitted online in form no.13 to this office annually.

8. An on-site storage for waste for a maximum period of one year or a maximum quantity of 10 MT, whichever is less, should be provided and it shall be ensured that there is no leakage or seepage or spillage from surrounding walls or bottom. The site should be covered and properly protected to prevent the entry of rainwater in storage area.



9. It is the duty of authorized person to take prior permission of the M.P. Pollution Control Board to close down the facility.
10. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online quarterly.
11. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
12. The authorized person should inform the name and address of the contact person responsible for hazardous waste management.
13. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13 (i) of Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 as amended up to date.
14. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on Fax/telephone/email-it\_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per rule -10 of Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 as amended up to date.

**Additional Haz condition:- (if any) :-**

### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal  |
|--|----------|---|
| Scrap/ Plastic packing material wood, card board, gunny bogs etc | -        | To be sold to the authorized vendors.             |
| Un reacted Alumina Hydrate Sludge                                | 20 MT    | To be disposed of scientifically as per the rules |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### Additional condition:- (if any) :-

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-Tilt-Zoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 01/06/2018 16:24:04  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # EJ6KVJQ8XX

ACHYUT ANAND MISHRA  
Member Secretary



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

CONSENT NO: \*\*\*

PCB ID: 19432

Outward No:100967.09/09/2020  
NO: /MPPCB/UJJ

Consent No:AWH-52108

To,  
The Occupier,  
M/s. Grasm Industries Limited ( Chlorinated Paraffin Unit),  
BIRLAGRAM, Tal - Nagda,  
Dist -Ujjain,(M.P) 456331.

**Subject:** Grant of renewal of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.

**Ref:** Your Consent to Operate Application Receipt No. CCA-A,W,H-1014630 Dt. 01/08/2020 and last communication received on Dt.24/08/2020.

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant renewal of consent up to 30/09/2023 & authorisation up to 30/09/2025, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

## **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- a. Location: BIRLAGRAM, Tal - Nagda, Dist -Ujjain,(M.P)
- b. The capital investment: Rs. 12.85 Crore
- c. Product & Production Capacity:

| Product              | CCA Qty / year                                 | Applied Qty / year                             |
|----------------------|--|--|
| Chlorinated Paraffin | 27000.00 MT                                    | 27000.00 MT                                    |
|                      | (Twenty Seven thousand metric Tonne per annum) | (Twenty Seven thousand metric Tonne per annum) |

Note:- (i) For any change in above industry shall obtain fresh consent from the board.

(ii) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

\*Wastes/by-products shall not be considered as products and shall be identified as per the guidelines issued by CPCB in September 2019 titled as "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-products [Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016".the industry shall submit feasibility report to deciding the wastes/by products under HOWM Rules, 2016.

The Validity of the renewal of consent is up to 30/09/2023 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 09/09/2020 17:22:05  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 58KXW149WL

ACHYUT ANAND MISHRA  
Member Secretary



## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent of the unit shall not exceed 2.00 KL/day, and the daily quantity of sewage of the unit shall not exceed 1.00 KL/day

2. Trade Effluent Treatment:-

The applicant shall operate the effluent treatment system of Chemical division of Grasim maintain the same properly to achieve following standards-

|                  |            |           |           |            |            |
|------------------|------------|-----------|-----------|------------|------------|
| pH               | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD3 Days 27 °c  | Not exceed | 30 mg/l.  |           |            |            |
| COD              | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease   | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. Sewage Treatment :- The applicant shall disposed the sewage through septic tank/soak pit to achieve following standards-

|                  |            |           |
|------------------|------------|-----------|
| pH               | Between    | 6.5 – 9.0 |
| Suspended Solids | Not exceed | 100 mg/l. |
| BOD3 Days 27 °c  | Not exceed | 30 mg/l.  |
| COD              | Not exceed | 250 mg/l. |
| Oil and grease   | Not exceed | 10 mg/l.  |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

| Sr | Water Code (Qty in Kilo Ltr per Day) | WC : 142.00 KLD | WWG : 3.00 KLD | Water Source          |
|----|--------------------------------------|-----------------|----------------|-----------------------|
| 1  | Cooling Water                        | 40.00           | 2.00           | Other( Chambal River) |
| 2  | Domestic Purpose                     | 2.00            | 1.00           |                       |
| 3  | Mnfg Process                         | 100.00          | 0.00           |                       |

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

**Consent No:AWH-52108**



### 10. Recording of Monitoring Activities & Results-

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

### 11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

### 12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

### 13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

### 14. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

### 15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

### 16. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

### **Additional Water condition:-**

1. The Industry shall maintain Zero liquid Discharge condition throughout the operation by recycling & reusing the treated water for gardening etc.





## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall operate the air pollution control system consisting of control equipments with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section | Capacity         | Stack height(mtrs) | Fuel | Control equipment installed | HCl, Cl <sub>2</sub>                      |
|-----------------|------------------|--------------------|------|-----------------------------|---|
| Chlorination    | alkali scrubbing | 30                 | ---  | Scrubber                    | HCl-35(mg/Nm <sup>3</sup> )               |
| Chlorination    | water scrubber   | 30                 | ---  | Scrubber                    | Cl <sub>2</sub> -15 (mg/Nm <sup>3</sup> ) |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM10 µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM2.5 µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:-**

- The industry shall maintain real time online of HCl mist & Chlorine monitoring system remain connected to the public display system along with MPPCB Environmental surveillance center Bhopal.
- The industry shall submit the sources and ambient monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.



**CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

**FORM-2**  
**[See rule 6 (2) ]**

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES**

1. Number of authorisation and date of issue : ,  
2. Reference of application (No. and date) : **COW-1014630, dt: 01/08/2020**

**The Occupier, M/s Grasim Industries Limited ( Chlorinated Paraffin Unit)** is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, sale to authorized recycler, disposal-CTSDf or any other use of hazardous or other wastes or both on the premises situated at **BIRLAGRAM (Chlorinated Paraffin Unit), Tal - Nagda, Dist -Ujjain,(M.P).**

**Details of Authorisation**

| Category of Hazardous Waste as per the Schedules I, II and III of these rules | Quantity (ton/annum) | Authorised mode of disposal        |
|---|----------------------|------------------------------------|
| Spent Carbon or filter medium (36.2)  | 3.00 MT              | Disposal-CTSDf                     |
| Used or Spent Oil (5.1)   | 1.80 MT              | Reuse, Sale to authorised recycler |

- (1) The authorisation shall be valid for a period of five year from **01/10/2020 to 30/09/2025**.  
(2) The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.  
(3) The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

**General conditions of authorisation:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.

**Consent No:AWH-52108**



11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Additional Haz condition:-**

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it\_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.

### **Packing, Labeling & Transportation of Hazardous wastes:-**

- (i) The Industry shall ensure that the hazardous waste are packaged and labeled, based on the composition in a Manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.

Consent No. 1 W/ 52108



(vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.

(iv) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

#### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity                       | Disposal   |
|--|--------------------------------|--|
| Scrap/ Plastic packing material wood, sweeping, card board, gunny bogs etc | Shall inventories the quantity | Sale to authorized party/As Per CPCB. MoEF Guide lines / Others. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

11. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

**Consent No:AWH-52108**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

12. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### **Additional condition:-**

1. The industry shall operate and maintain the "Outdoor HD Industrial grade IP (Internet Protocol) cameras with Pan-Tilt-Zoom (PTZ) feature, minimum focal length 30X with night vision facility and tamper proof mechanism" at least three suitable locations to display all emission sources and effluent discharge points for remote surveillance with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal on or before application to CTO.
2. The industry shall ensure the transportation of the hazardous waste through the MPPCB authorized trucks/tankers provided with the GPS system, Blue coloured with white strip painted as hazardous waste, tenth passed driver etc as per CPCB guidelines issued in year 2005-06.
3. The industry shall ensure submission of Annual return form-4 ending year on or before 30<sup>th</sup> June preferably before 30<sup>th</sup> April.
4. The Industry shall not store Hazardous wastes more than Three month and firm arrangements shall be made with the end users.
5. The hydrochloric acid generated during scrubbing shall be disposed in accordance with the CPCB guidelines used for identification of waste or by products in September, 2019 and necessary permission for the same shall be obtained from board within one months.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 & The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board



e-Signed On 09/09/2020 17:22:05  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 58KXW149WL

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AWH-52108**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

CONSENT NO: \*\*\*

PCB ID: 19354

To,  
The Occupier,  
Outward No: 9427, 24/11/2019

Consent No:AW-50762

M/s. Grasim Industries Limited,  
(Chlosulphonic Acid Plant),  
BIRLAGRAM, NAGDA, City : NAGDA,  
Tal : Nagda, SIDC : I/A Mehatwas Nagda,  
Dist : Ujjain, PIN 456331 (M.P.)

**Subject:** Grant of renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981.

**Ref:** Your renewal of Consent Application Receipt No. 836657 Dt. 15/09/2019 and last communication received on Dt. 11/11/2019.

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **30/11/2020**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- a. **Location:** Birlagram, City : Nagda, Tal : Nagda, Dist : Ujjain, (M.P.)  
b. **The capital investment :** Rs. 12.66 Crs  
c. **Product & Production Capacity:**

| Product              | Qty / year   |
|----------------------|--|
| CHLOROSULPHONIC ACID | 23,400 MT<br>(Twenty Three Thousand Four Hundred Metric Ton) |

#### Note:-

- (1) For any change in above industry shall obtain fresh consent from the board.
- (2) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board

The Validity of the consent is up to 30/11/2020 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

#### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* General conditions



e-Signed On 24/11/2019 20:15:55  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # TT6WMO15Q3

R.S. KORI  
Member Secretary



### CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage of the unit shall not exceed 1.600 KL/day

#### 2. Trade Effluent Treatment:-

The applicant shall operate effluent treatment system and maintain the same properly to achieve following standards-

|                            |            |           |           |            |            |
|----------------------------|------------|-----------|-----------|------------|------------|
| pH                         | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids           | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |           |            |            |
| COD                        | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease             | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment** :- The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |                   |
|----------------------------|------------|-------------------|
| pH                         | Between    | 6.5 – 9.0         |
| Suspended Solids           | Not exceed | 100 mg/l.         |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.          |
| COD                        | Not exceed | 250 mg/l.         |
| Oil and grease             | Not exceed | 10 mg/l.          |
| Fecal Coliform             | Not exceed | 1000 (MPN/100 ml) |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 32.000 | WWG : 1.600 | Water Source | Remark                                      |
|----|---|-------------|-------------|--------------|---|
| 1  | Mnfg Process                                | 30.000      | 0.000       | Local Body   | No wastewater is generated from the process |
| 2  | Domestic                                    | 2.000       | 1.600       |              |   |

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

#### 10. Compilation of Monitoring data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.



## 11. Recording of Monitoring Activities & Results-

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

## 12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

## 13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

## 14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

## 15. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

## 16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

## 17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

## **Additional Water condition:-**

1. The industry shall treat its trade effluent (if any) in the ETP, RO, MEE and dryer commonly installed by the group to remain ZLD & Sewage shall be sent to the STP.
2. In no case treated / untreated waste shall be allow to discharge outside the premises





## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall air pollution control system & maintained continuously so as to achieve the level of pollutants :-

| Name of section     | Capacity            | Stack height(mtrs) | Control equipment installed | P.M., Acid Mist, Cl2 (mg/Nm3 ) | Monitoring arrangements to be provided                    |
|---------------------|---------------------|--------------------|-----------------------------|--------------------------------|---|
| Chloro-Sulphonation | H2SO4 scrubber      | 30M                | Scrubber,                   | --, 50, --                     | Online realtime monitoring of Acid mist                   |
| Chloro-Sulphonation | water scrubber vent | 30M                | Scrubber,                   | 50, 35, 15                     | Online realtime monitoring of Acid mist & SO <sub>3</sub> |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM10 µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM2.5 µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:-**

- Industry shall install Continuous Emission Monitoring System (CSEMS) stations to monitor emissions from the different scrubbers and shall provide connectivity of CSEMS with Environment Surveillance Center at the HQ of M.P. Pollution Control Board, Bhopal within 01 month.
- The industry shall monitor the sources of emission regularly and submit report to the Board on monthly basis



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal   |
|--|----------|--|
| Scrap/ Plastic packing material wood, card board, gunny begs etc | --       | Sale to authorized party/As Per CPCB. MoEF Guide lines / Others. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### **Additional condition:-**

- The industry shall ensure proper maintenance and operation of the "Outdoor HD Industrial grade IP (Internet Protocol) cameras with PanTilt-Zoom (PTZ) feature, minimum focal length 5X with night vision facility and tamper proof mechanism" installed at industry to display all emission sources and effluent discharge points and connect the same with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal for remote surveillance.



## Consent Order

**M.P. Pollution Control Board**  
**E-5, Arera Colony**  
**Paryavaran Parisar, Bhopal - 16 MP**  
**Tele : 0755-2466191, Fax-0755-2463742**

2. The industry shall obtain the public liability insurance under Public Liability Act 1991 and shall maintain valid copy of the same (if Applicable).
3. The industry shall submit a copy of the Onsite Emergency Plan/ Disaster Management Plan duly approved by Department of Industrial Health & Safety(if Applicable).
4. The industry shall obtain membership of Emergency Response Center, MPPCB, Bhopal(if Applicable).

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 & The Air (Prevention & Control of Pollution) Act,1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board



**e-Signed On 24/11/2019 20:15:55**  
**(Organic Authentication on AADHAR from UIDAI Server)**  
**TPAV # TT6WMO15Q3**

**R.S. KORI**  
**Member Secretary**

**Consent No:AW-50762**

**Annexure 2**

**Note on Zero Liquid**

**Discharge**

### Note on Zero liquid Discharge

Grasim has achieved Zero Liquid Discharge (ZLD) status on March 31<sup>st</sup> 2018. Initially prepare water balance and decided to optimize water consumption and minimize effluent generation with 3R approach i.e. Re-use, Reduce and Recycle.

#### Segregation & Collection System

Different type of water generate in different processes segregate from storm water and collection system prepared in each area and water pumped to ETP through conduit pipe system for further treatment.

#### Up gradation of Effluent Treatment Plant

The effluent treatment plant have manual control for pH correction and TSS removal. To strengthen the system and ensure proper treatment of effluent 1000 KLD capacity Effluent Treatment Plant has been installed with auto control dosing system of different chemical. New equipment has been installed like Pipe mixture, flocculator, Lamella Clarifier and Filter press, sand and activated carbon filter for removal of suspended particle. The suspended matter after clarification in lamella clarifier passed through filter press to get sludge and dispose of in secured landfill.

#### Double Stage Effluent RO Plant

To achieve ZLD status double stage RO plant of 600 KLD capacity has been installed which comprises of Ultra Filtration system, brackish water RO and Sea Water RO. The treated effluent passed through BWRO where 60 % permeate water received having TDS below 100 mgpl, while reject again feed into the SWRO to get further 60 % permeate water having TDS below 200 mgpl. All permeate water received as above are using in different cooling towers while reject of SWRO treat through MEE and ATFD plant.

#### MEE & ATFD

To treat reject of SWRO unit has installed MEE and ATFD plant having capacity 120 KLD. The SWRO reject feed in Multi Effect Evaporator plant under vacuum to get 85 % water as condensate having TDS below 100 mgpl while concentrate feed in Agitated Thin Film Dryer to get condensate having TDS below 200 mgpl and dry salt.

#### Online PTZ Camera

Unit has also installed online PTZ camera and flow meter at outlet to meet CPCB guideline for ZLD unit which is connected with CPCB and MPPCB server for real online monitoring.



Effluent Treatment Plant

**Note on Zero liquid Discharge**



**Lamella Clarifier with Sand & Carbon Filter**



**Filter Press**



**Ultra Filtration System**



**Chemical Dosing System**



**CIP System for RO Cleaning**

**Note on Zero liquid Discharge**



**Double Stage RO Plant**



**MEE Plant**



**MEE Plant**

**Note on Zero liquid Discharge**



**ATFD Plant**



**Annexure 3**

**authorization under the**

**Hazardous and Other Wastes**

**(Management and Trans-**

**Boundary Movement) Rules,**

**2016**



## Authorization Order

Annexure 3

RED-LARGE

CCA-Renewal

VALIDITY (H): 07/03/2023

CONSENT NO: \*\*\*

PCB ID: 19443

NO: /MPPCB/UJJ

To,

The Occupier,  
M/s. Grasim Industries Limited ( Stable Bleaching Powder Plant),  
BIRLAGRAM, NAGDA SIDC : I/A Mehatwas Nagda  
TAL : Nagda, DIST : Ujjain, Pin- 456331, (M.P.)

**Subject: Renewal of Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016**

**Ref:** Your Application Receipt No. 673621 Dt. 10/04/2018 and last communication received on dt. 07/05/2018.

With reference to your above application, the grant of renewal of Authorization has been considered under the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016. The M. P. Pollution Control Board has agreed to renew Authorization Up to **07/03/2023**, subject to the fulfillment of the terms & conditions, enclosed with this letter

### **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location: Plot No: Birlagram, Nagda, Tal: Nagda, Dist – Ujjain, 456331 (M.P.)
- The capital investment in : Rs. 6.41Crs
- Product & Production Capacity:

| Product                  | Applied Qty/Month  |
|--------------------------|--|
| STABLE BLEACHING POWDEWR | 2,453 MT<br>(TWO THOUSAND FOUR HUNDRED FIFTY<br>THREE METRIC TONNES) |

### **Note:-**

The Validity of the Authorization is up to **07/03/2023** and has to be renewed before expiry of Authorization validity. Online application through XGN with annual license fee in this regard shall be submitted to this office **6 months before expiry of Authorization**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required

### **Enclosures:-**

- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 20/06/2018 15:44:34  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # D28ENKOA5

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:H-48452,Hazd Validity:07/03/2023, Outward No:66893,20/06/2018, TPAV # D28ENKOA5**



## Authorization Order

### CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

#### **FORM-2** **[See rule 6 (2) ]**

#### **FORM FOR RENEWAL OF AUTHORISATION BY M.P. POLLUTION CONTROL BOARD TO THE OCCUPIER OF WASTE GENERATION**

1. Number of authorisation and date of issue : ,
2. Reference of application (No. and date) : **COW-673621, dt: 10/04/2018**
3. M/S Grasim Industries Limited ( **Stable Bleaching Powder Plant**) is hereby granted an authorisation for generation, collection, storage, transport and safe disposal of hazardous wastes being generated from the premises situated at Birlagram, Nagda, Tal: Nagda, Dist – Ujjain, 456331 (M.P.)

#### **Details of Authorisation**

| Category of Hazardous Waste as per the Schedules I of these rules | Mode of disposal                                       | Quantity (ton/annum) |
|---|--|----------------------|
| Used or Spent Oil (5.1)   | To be sold to authorized recycler authorized with SPCB | 4.15 MT              |

- (1) The authorisation shall be valid for a period of five year i.e. from **08/03/2018 to 07/03/2023**
- (2) The authorisation is subject to the following general and specific conditions

#### **A. General conditions of authorisation:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.



## **Authorization Order**

10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **B. Specific conditions:**

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

### **Additional Haz condition:- (if any)**

#### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The Industry shall ensure that the hazardous waste are packaged and labeled, based on the composition in a Manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.



## Authorization Order

### GENERAL CONDITIONS:

1. The non hazardous solid waste generating in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required

#### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal |
|--|----------|----------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold of. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.



## Authorization Order

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### Additional condition:- (if any) :-

Authorization as required under the Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN **at least Six months before** the date of expiry of this Authorisation. The applicant without valid Authorisation (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 20/06/2018 15:44:34  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # D28ENKOAK5

ACHYUT ANAND MISHRA  
Member Secretary



## Authorization Order

RED-LARGE

CCA-Renewal

VALIDITY (H): 31/03/2023

CONSENT NO: \*\*\*

PCB ID: 19353

NO: /MPPCB/UJJ

To,

The Occupier,  
M/s. Grasim Industries Limited ( Caustic Soda Membrane Cell Unit- 2),  
BIRLAGRAM, NAGDA, SIDC : I/A Mehatwas Nagda  
TAL : Nagda, DIST : Ujjain, 456331 (M.P.)

**Subject:** Renewal of Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016.

**Ref:** Your Application Receipt No. **CCA-Renewal -683723-08/04/2018-H** and last communication received on dated 09/10/2018.

With reference to your above application, the Grant of renewal of Authorization has been considered under the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016. The M. P. Pollution Control Board has agreed to renew Authorization Up to **31/03/2023**, subject to the fulfillment of the terms & conditions, enclosed with this letter

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Plot No: Birlagram, Nagda-456331, Tal: Nagda, Dist – Ujjain, 456331 (M.P.)  
b. The capital investment : Rs. 263.70 Crs  
c. Product & Production Capacity:

| Product                                       | Applied Qty / Month                                 |
|---|---|
| Caustic Soda (Membrane Cell Technology Based) | 12000 MT (Twelve Thousand Metric Tonnes)            |
| Hydrochloric acid (100%)*                     | 3500 MT (Three Thousand Five Hundred Metric Tonnes) |
| Hydrogen                                      | 300 MT (Three Hundred Metric Tonnes)                |
| Liquid Chlorine                               | 9600 MT (Nine Thousand Six Hundred Metric Tonnes)   |
| Sodium Hypo Chlorite                          | 4100 MT (Four Thousand One Hundred Metric Tonnes)   |
| Hydrogen (Compressed)                         | 80 MT (Eighty Metric Tonnes)                        |

- Note-**
- For any change in product and their production capacity, fresh consent shall be required.
  - The hydrochloric acid generated as pollution control arrangements (stream 35.1 of schedule-I) shall be transported as per the provisions of the Hazardous and Other Waste (Management & Transboundary Movement) Rules 2016 and disposed to the actual uses only.
  - This renewal of Authorization is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of Authorization in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.
  - The industry shall dispose of the hazardous waste to CTSDf as recommended by RO other than category (5.1).

The Validity of the Authorization shall be up to **31/03/2023** and has to be renewed before expiry of Authorization validity. Online application through XGN with annual license fee in this regard shall be submitted to this office **6 months before expiry of**

n. Board reserves the right to amend/cancel / revoke the condition in part or whole as and

*eSign*  
Digitally Sign with Aadhaar

e-Signed On 18/02/2019 19:19:09  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV #. 17RKE2N511  
General conditions

*Achyut Mishra*  
ACHYUT ANAND MISHRA  
Member Secretary

Consent No:H-49581,Hazd Val:31/01/2024, Outward No:88152,18/02/2019



## Authorization Order

### **CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

#### **FORM-2 [See rule 6 (2) ]**

#### **FORM FOR RENEWAL OF AUTHORISATION BY M.P. POLLUTION CONTROL BOARD TO THE OCCUPIERS WASTE GENERATION**

1. Number of authorization and date of issue :
2. Reference of application (No. and date) : **COW-683723, dt: 08/04/2018**
3. The Occupier, M/s Grasim Industries Limited (Caustic Soda Membrane Cell Unit- 2) (19353) is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in XGN) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Birlagram, Nagda-456331, Tal: Nagda, Dist – Ujjain, (M.P.) as per following:

#### **Details of Authorization**

| <b>Category of Hazardous Waste as per the Schedules I of these rules</b> |        | <b>Mode of disposal</b>                                 | <b>Quantity (ton/annum)</b> |
|--|--------|---|-----------------------------|
| Used or Spent Oil  | (5.1)  | To be sold to authorized recycler authorized with SPCB. | 6.2 MT                      |
| Residue or sludges and filter cakes                                      | (16.2) | Common Treatment Storage and Disposal Facility (CTSDf)  | 2920 MT                     |
| Spent Ion Exchange Resin containing Toxic Metals                         | (35.2) | Common Treatment Storage and Disposal Facility (CTSDf)  | 0.65 MT                     |
| Spent Carbon or filter medium  | (36.2) | Common Treatment Storage and Disposal Facility (CTSDf)  | 0.4 MT                      |
| Chemical Sludge from Waste Water Treatment (ATFD Salt)                   | (35.3) | Common Treatment Storage and Disposal Facility (CTSDf)  | 2920 MT                     |

- (1) The authorization shall be valid for a period of five year i.e. from : **01/04/2018 to 31/03/2023**
- (2) The authorization is subject to the following general and specific conditions :

#### **A. General conditions of authorization:**

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty





## **Authorization Order**

7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **B. Specific conditions:**

1. 1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.

### **Additional Haz condition:-**

### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The Industry shall ensure that the hazardous waste are packaged and labeled, based on the composition in a Manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3

**Consent No:H-49581,Hazd Val:31/01/2024, Outward No:88152,18/02/2019**



## Authorization Order

to 6 of the manifest accompany it.

- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal                      |
|--|----------|-------------------------------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold off to authorized vendor |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:
- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
  - To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
3. This authorization is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.
4. The issuance of this authorization does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month
6. This authorization is granted in respect of Authorization under the provisions of Hazardous and Other Waste (Management & Transboundary Movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.
7. Balance authorization fee, if any shall be recoverable by the Board even at a later date.
8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorization
9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
- Violation of any terms and conditions of this Consent.
  - Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
  - A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

**Consent No:H-49581,Hazd Val:31/01/2024, Outward No:88152,18/02/2019**



## Authorization Order

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### Additional condition:-

1. The industry shall make the arrangement for management of hazardous and other wastes for its minimization or elimination with the following steps, namely:- (a) prevention; (b) minimization; (c) re-use (d) recycling; (e) recovery, (f) utilisation including co-processing; (g) safe disposal with duly compliance of the Hazardous and Other Waste (Management & Transboundary Movement) Rules 2016 and SOPs issued by CPCB.
2. The industry shall ensure the transportation of the hazardous waste through the MPPCB authorized trucks/tankers provided with the GPS system, Blue colored with white strip painted as hazardous waste, as per CPCB guidelines issued.

Grant of Authorization as required under the Hazardous and other Waste (Management, Transboundary Movement) Rules, 2016 is renewed to your industry subject to fulfillment of all the conditions mentioned above. For further renewal purpose you shall have to make an application to this Board through XGN at least **Six months before the date of expiry of this Authorization.**

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 18/02/2019 19:19:09  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # J7RKF2N5TJ

ACHYUT ANAND MISHRA  
Member Secretary



## Authorization Order

RED-MEDIUM

CCA-Renewal

VALIDITY (H): 31/07/2023

CONSENT NO: \*\*\*

PCB ID: 25471

NO: /MPPCB/UJJ

To,

M/s. Grasim Industries Ltd.,  
(Calcium Chloride Mfg. Unit),  
PLOT NO: Survey No.-22/1,  
Birlagram Nagda – 456331,  
TAL : Nagda & DIST : Ujjain, (M.P.) SIDC: I/A Mehatwas, Nagda

**Subject: Renewal of Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016.**

**Ref: Your Application Receipt No. 684031 Dt. 31/05/2018**

With reference to your above application, the Grant of renewal of Authorization has been considered under the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016. The M. P. Pollution Control Board has agreed to renew Authorization Up to 31/07/2023 , subject to the fulfillment of the terms & conditions, enclosed with this letter

### **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location: PLOT NO: Survey No.-22/1, Birlagram Nagda – 456331, TAL : Nagda & DIST : Ujjain, (M.P.)
- The capital investment in : Rs. 25.00 Crs
- Product & Production Capacity:

| Product          | Applied Qty / Day                             |
|------------------|---|
| CALCIUM CHLORIDE | 150 MT<br>(One Hundred & Fifty Metric Tonnes) |
| CARBON DI OXIDE  | 66 MT<br>(Sixty Six Metric Tonnes)            |

Note- This renewal of Authorization is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of Authorization in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

The Validity of the Authorization is up to 31/07/2023 and has to be renewed before expiry of Authorization validity. Online application through XGN with annual license fee in this regard shall be submitted to this office 6 months before expiry of the Authorization. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required

Enclosures:-



der Hazardous Rules

e-Signed On 22/09/2018 12:56:01  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 60FYAYOC7A

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:H-48802,Hazd Validity:31/07/2018, Outward No:87287,22/09/2018, TPAV # 60FYAYOC7A**



## Authorization Order

### CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

#### **FORM-2** **[See rule 6 (2) ]**

#### **FORM FOR GRANT OF AUTHORISATION BY BY M.P. POLLUTION CONTROL BOARD TO THE OCCUPIERS WASTE GENERATION FACILITIES**

1. Number of authorisation and date of issue : ,
2. Reference of application (No. and date) : **COW-684031, dt: 31/05/2018**
3. M/S Grasim Industries Ltd., Chemical Division (Calcium Chloride Mfg. Unit) (25471) is hereby granted an authorisation for generation, collection, storage, transport and safe disposal of hazardous wastes being generated from the premises situated at PLOT NO:Survey No.-22/1, Birlagram Nagda – 456331, TAL : Nagda & DIST : Ujjain, (M.P.)

#### **Details of Authorisation**

| Category of Hazardous Waste as per the Schedules I of these rules | mode of disposal                                       | Quantity (ton/annum) |
|---|--|----------------------|
| Used or Spent Oil (5.1)   | To be sold to authorized recycler authorized with SPCB | 0.25 MT              |

- (1) The authorisation shall be valid for a period of five year i.e. from **01/08/2018 to 31/07/2023**
- (2) The authorisation is subject to the following general and specific conditions

#### **A. General conditions of authorisation:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or

**Consent No:H-48802,Hazd Validity:31/07/2018, Outward No:87287,22/09/2018, TPAV # 60FYAYOC7A**



## **Authorization Order**

utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.

11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **B. Specific conditions:**

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

### **Additional Haz condition:-**

#### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The Industry shall ensure that the hazardous waste are packaged and labeled, based on the composition in a Manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.



## Authorization Order

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required

#### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal |
|--|----------|----------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold of  |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:
  - a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
  - b. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.
4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month
6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.
7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.
8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent/authorisation
9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
  - (a) Violation of any terms and conditions of this Consent.
  - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
  - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

**Consent No:H-48802,Hazd Validity:31/07/2018, Outward No:87287,22/09/2018, TPAV # 6OFYAYOC7A**



## Authorization Order

### Additional condition:-

Authorization as required under the Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN **at least Six months before** the date of expiry of this Authorisation. The applicant without valid Authorisation (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 22/09/2018 12:56:01  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 60FYAYOC7A

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:H-48802,Hazd Validity:31/07/2018, Outward No:87287,22/09/2018, TPAV # 60FYAYOC7A**





## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 28/02/2022  
VALIDITY (H): 14/05/2024

CONSENT NO: \*\*\*

PCB ID: 19324

Outward No:9858520/05/2019  
NO: /MPPCB/UJJ

Consent No:AWH-49987

To,  
The Occupier,  
M/s. Grasim Industries Ltd., (Caustic Soda Unit I),  
City : Birlagram,  
Tal : Nagda, Dist : Ujjain, (M.P.)

**Subject:** Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Waste (Management & Trans Boundary Movement) Rules, 2016

**Ref:** Your renewal of Consent Application Receipt No. 755012 Dt. 29/12/2018 and last communication received on Dt.16/01/2019

With reference to your above application for renewal of consent has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **28/02/2022** & authorization up to **14/05/2024**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Birlagram, Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment : Rs. 290.30 Crs
- Product & Production Capacity:

| Product             | CCA Qty / year                                      |
|---------------------|---|
| Caustic soda        | 1,26,000 T (One Lac Twenty Six Thousand Tonnes)     |
| Hydrochloric acid   | 37,000 T (Thirty Seven Thousand Tonnes)             |
| Hydrogen            | 3,130 T (Three Thousand One Hundred Thirty Tonnes)  |
| Liquid Chlorine     | 1,00,000 T ( One Lac Tonnes )                       |
| Sodium Hypochlorite | 4,320 T (Four Thousand Three Hundred Twenty Tonnes) |

Note:- For any change in above industry shall obtain fresh consent from the board.

Note- This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

The Validity of the consent shall be up to **28/02/2022** and authorization shall be up to **14/05/2024** and have to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent/Authorization**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

### Enclosures:-

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* Conditions under other provisions

Digitally Sign with Aadhar

e-Signed On 20/05/2019 18:30:33  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # M1BWK89W3A

ACHYUT ANAND MISHRA  
Member Secretary



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall be Nil and the daily quantity of sewage generation shall not exceed 25.0 KL/day

2. **Sewage Treatment :-** The applicant shall provide adequate sewage treatment system and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 100 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 1235.000 | WWG : 25.000 | Water Source |
|----|---|---------------|--------------|--------------|
| 1  | Cooling Water                               | 800.000       | 5.000        | Local Body   |
| 2  | Domestic Purpose                            | 35.000        | 25.000       |              |
| 3  | Mnfg Process                                | 800.000       | 0.000        |              |

3. The Sewage shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated sewage shall be discharged outside of industry premises.

4. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

#### **8. Compilation of Monitoring data-**

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### **9. Recording of Monitoring Activities & Results-**

- The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - The date, exact place and time of sampling
  - The dates on which analysis were performed
  - Who performed the analysis?
  - The analytical techniques or methods used and
  - The result of all required analysis

**Consent No:AWH-49987**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

### **10. Reporting of Monitoring Results:-**

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

### **11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-**

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

### **12. Limitation of visible floating solids and foam:**

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

### **13. Disposal of Collected Solid Waste/sludge-**

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

### **14. Provision for Electric Power Failure-**

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

### **15. Prohibition of By pass system of treatment facilities-**

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

16. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

### **Additional Water condition:- (if any) :-**

1. The industry shall maintain the ZLD.

**Consent No:AWH-49987**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide adequate air pollution control system consisting of control equipments with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section        | Capacity        | Stack height(mtrs) | Fuel | Control equipment to be installed | Pollutants (mg/Nm <sup>3</sup> ) |
|------------------------|-----------------|--------------------|------|-----------------------------------|----------------------------------|
| Caustic Chlorine Plant | Alkali scrubber | 32                 | ---  | Scrubber                          | 50mg/Nm <sup>3</sup> Chlorine    |
| Caustic Chlorine Plant | Water scrubber  | 34                 | ---  | Scrubber                          | Gas 35 HCl Acid                  |
| Caustic Chlorine Plant | -               | 34                 | -    | Scrubber                          | Vapors                           |

2. Ambient air quality at the boundary of the industry premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM<sub>10</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM<sub>2.5</sub> µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as any leakages from vent/duct/vendor shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation at least in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:- (if any) :-**

- The industry shall install the HCl mist & Chlorine detection sensors within the plant premises and the same shall be connected to the public display system.
- The industry shall submit the sources emission monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.

**Consent No:AWH-49987**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### **CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

#### **FORM-2 [See rule 6 (2) ]**

#### **FORM FOR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS OF WASTE GENERATION**

1. M/s Grasim Industries Ltd., (Caustic Soda Unit I) is hereby granted an authorization for generation, collection, storage, transport and safe disposal of Hazardous waste being generated from the premises situated at Birlagram, Tal : Nagda, Dist : Ujjain, (M.P.)

2. The authorization granted to operate a facility for generation, collection, reception, storage and transport of hazardous waste

| Category of Hazardous Waste as per the Schedules I of these rules                    | Mode of disposal   | Quantity (ton/annum) |
|--|--|----------------------|
| Used or Spent Oil (5.1)  | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 16.3 MT              |
| Chemical-containing residue arising from decontamination. (34.1)                     | CTSDF  | 0.65 MT              |
| Spent Carbon Or filter medium (36.2)   | CTSDF  | 0.38 MT              |
| Residue or sludges & filter cas (16.2)   | CTSDF  | 3500 MT              |
| Empty barrels/containers/liners contaminated with hazardous chemicals /wastes (33.1) | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 5.0 MT               |
| Oil And Grease, Skimming (35.4)  | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 1.0 MT               |
| Chemical sludge from waste water treatment (35.3)                                    |  | 100 MT               |
| Rubber (X08)   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 1.0 MT               |
| Asbestos Z 16  | Captive SLF  | 1.0 MT               |
| Filter Waste Z 37  | Captive SLF  | 1.0 MT               |
| Pvc & Plastic Waste Z 46   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 100.00 MT            |
| Glasswool Z 22   | Captive SLF  | 2.00 MT              |
| Chemical Waste (Solid) Z 33  | Captive SLF  | 10.00 MT             |
| Thermocol Z 50   | Captive SLF  | 0.100 MT             |
| Contaminated Sand Z 34   | Captive SLF  | 10.00 MT             |
| Oily Rags Z 41   | Captive SLF  | 1.00 MT              |
| FRP Waste  |  | 5.0 MT               |
| Used Membrane  |  | 5.0 MT               |
| Graphite Blocks  |  | 5.0 MT               |
| Discarded PPE  |  | 0.5 MT               |

3. The waste specified under hazardous waste stream as mentioned above shall be stored as per MoEF and CPCB guidelines issued time to time and disposed off as indicated in above table at SL. No. 3 as Hazardous and other Waste (Management & Trans Boundary Movement) Rules, 2016.

4. The authorization shall be in force for a period of Five years from **15/05/2019 to 14/05/2024**

5. The industry shall take all the steps wherever required, for reduction of the waste generated or for recycling or reuse.

6. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.

7. The authorization is subject to the terms & conditions as given below and to such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986. Violation of any of the conditions shall be liable for legal action as per provisions under Environment (Protection) Act, 1986.

#### **Terms and Condition Of Authorization**

1. The authorization shall comply with the provision of Environment (Protection) Act, 1986 and the rules made there under.

**Consent No:AWH-49987**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

2. The authorization or its renewal shall be produced during inspection on the request of the inspecting officer authorized by the State Pollution Control Board.
3. The authorized person shall not rent, lend, sale, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the State Pollution Control Board.
4. If the industry comes in such a category where insurance under Public Liability Insurance Act, is necessary, the industry shall comply with provision and submit a copy of the policy to the Board.
5. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorization.
6. The unit should maintain the records of hazardous wastes as per the Form-3 of rule 9 (1) and should online submit the annual return in Form No.4 as per the rule 9 (2) to this office on or before 31st January every year.
7. Details of auction/sale of non-ferrous hazardous waste should be submitted online in form no.13 to this office annually.
8. An on-site storage for waste for a maximum period of one year or a maximum quantity of 10 MT, whichever is less, should be provided and it shall be ensured that there is no leakage or seepage or spillage from surrounding walls or bottom. The site should be covered and properly protected to prevent the entry of rainwater in storage area.
9. It is the duty of authorized person to take prior permission of the M.P. Pollution Control Board to close down the facility.
10. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online quarterly.
11. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
12. The authorized person should inform the name and address of the contact person responsible for hazardous waste management.
13. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13 (i) of Hazardous and other Waste (Management and Trans Boundary Movement) Rules 2016 as amended up to date.

### **Additional Haz condition:- (if any) :-**

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.

**Consent No:AWH-49987**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

#### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal                       |
|--|----------|--------------------------------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold off to authorized Vendor. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorization is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Trans Boundary Movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorization fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorization

**Consent No:AWH-49987**



## Consent Order

M.P. Pollution Control Board  
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9. The industry shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
  - (a) Violation of any terms and conditions of this Consent.
  - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
  - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### Additional condition:- (if any) :-

1. The industry shall ensure the transportation of the hazardous waste through the MPPCB authorized trucks/tankers provided with the GPS system, Blue colored with white strip painted as hazardous waste, as per CPCB guidelines issued.
2. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-Tilt Zoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.
3. The industry shall install ZLD system as per time bound action plan submitted to the Board else the bank guarantee shall be forfeit

Renewal of Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 and The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous and Other Waste (Management & Trans Boundary Movement) Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN **at least Six months before the date of expiry of this consent/authorization**. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

ACHYUT ANAND MISHRA  
Member Secretary



e-Signed On 20/05/2019 18:30:33  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # M1BWK89W3A

**Consent No:AWH-49987**





# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

CONSENT NO: \*\*\*

PCB ID: 19432

Outward No:100967.09/09/2020  
NO: /MPPCB/UJJ

Consent No:AWH-52108

To,  
The Occupier,  
M/s. Grasm Industries Limited ( Chlorinated Paraffin Unit),  
BIRLAGRAM, Tal - Nagda,  
Dist -Ujjain,(M.P) 456331.

**Subject:** Grant of renewal of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016.

**Ref:** Your Consent to Operate Application Receipt No. CCA-A,W,H-1014630 Dt. 01/08/2020 and last communication received on Dt.24/08/2020.

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant renewal of consent up to 30/09/2023 & authorisation up to 30/09/2025, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

## **SUBJECT TO THE FOLLOWING CONDITIONS :-**

- a. Location: BIRLAGRAM, Tal - Nagda, Dist -Ujjain,(M.P)  
b. The capital investment: Rs. 12.85 Crore  
c. Product & Production Capacity:

| Product              | CCA Qty / year  | Applied Qty / year  |
|----------------------|---|---|
| Chlorinated Paraffin | 27000.00 MT<br>(Twenty Seven thousand metric Tonne per annum) | 27000.00 MT<br>(Twenty Seven thousand metric Tonne per annum) |

Note:- (i) For any change in above industry shall obtain fresh consent from the board.

(ii) This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

\*Wastes/by-products shall not be considered as products and shall be identified as per the guidelines issued by CPCB in September 2019 titled as "Framework on Identification of Materials Generated from Industrial Processes as Wastes or By-products [Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016".the industry shall submit feasibility report to deciding the wastes/by products under HOWM Rules, 2016.

The Validity of the renewal of consent is up to 30/09/2023 and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

## **Enclosures:-**

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 09/09/2020 17:22:05  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 58KXW149WL

ACHYUT ANAND MISHRA  
Member Secretary



### **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent of the unit shall not exceed 2.00 KL/day, and the daily quantity of sewage of the unit shall not exceed 1.00 KL/day

2. Trade Effluent Treatment:-

The applicant shall operate the effluent treatment system of Chemical division of Grasim maintain the same properly to achieve following standards-

|                  |            |           |           |            |            |
|------------------|------------|-----------|-----------|------------|------------|
| pH               | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD3 Days 27 °c  | Not exceed | 30 mg/l.  |           |            |            |
| COD              | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease   | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. Sewage Treatment :- The applicant shall disposed the sewage through septic tank/soak pit to achieve following standards-

|                  |            |           |
|------------------|------------|-----------|
| pH               | Between    | 6.5 – 9.0 |
| Suspended Solids | Not exceed | 100 mg/l. |
| BOD3 Days 27 °c  | Not exceed | 30 mg/l.  |
| COD              | Not exceed | 250 mg/l. |
| Oil and grease   | Not exceed | 10 mg/l.  |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

| Sr | Water Code (Qty in Kilo Ltr per Day) | WC : 142.00 KLD | WWG : 3.00 KLD | Water Source          |
|----|--------------------------------------|-----------------|----------------|-----------------------|
| 1  | Cooling Water                        | 40.00           | 2.00           | Other( Chambal River) |
| 2  | Domestic Purpose                     | 2.00            | 1.00           |                       |
| 3  | Mnfg Process                         | 100.00          | 0.00           |                       |

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

**Consent No:AWH-52108**



### 10. Recording of Monitoring Activities & Results-

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
  - (i) The date, exact place and time of sampling
  - (ii) The dates on which analysis were performed
  - (iii) Who performed the analysis?
  - (iv) The analytical techniques or methods used and
  - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

### 11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

### 12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

### 13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

### 14. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

### 15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

### 16. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

### **Additional Water condition:-**

1. The Industry shall maintain Zero liquid Discharge condition throughout the operation by recycling & reusing the treated water for gardening etc.



## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall operate the air pollution control system consisting of control equipments with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section | Capacity         | Stack height(mtrs) | Fuel | Control equipment installed | HCl, Cl <sub>2</sub>                      |
|-----------------|------------------|--------------------|------|-----------------------------|---|
| Chlorination    | alkali scrubbing | 30                 | ---  | Scrubber                    | HCl-35(mg/Nm <sup>3</sup> )               |
| Chlorination    | water scrubber   | 30                 | ---  | Scrubber                    | Cl <sub>2</sub> -15 (mg/Nm <sup>3</sup> ) |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m<sup>3</sup> (PM10 µg/m<sup>3</sup> 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m<sup>3</sup> (PM2.5 µg/m<sup>3</sup> 24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80 µg/m<sup>3</sup>
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m<sup>3</sup>

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

### **Additional Air condition:-**

- The industry shall maintain real time online of HCl mist & Chlorine monitoring system remain connected to the public display system along with MPPCB Environmental surveillance center Bhopal.
- The industry shall submit the sources and ambient monitoring report to the Board regularly on monthly basis to ensure the emission within norms and effective performance of the scrubbers.



**CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

**FORM-2**  
**[See rule 6 (2) ]**

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES**

1. Number of authorisation and date of issue : ,  
2. Reference of application (No. and date) : **COW-1014630, dt: 01/08/2020**

**The Occupier, M/s Grasim Industries Limited ( Chlorinated Paraffin Unit)** is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, reception, storage, transport, reuse, sale to authorized recycler, disposal-CTSDf or any other use of hazardous or other wastes or both on the premises situated at **BIRLAGRAM (Chlorinated Paraffin Unit), Tal - Nagda, Dist -Ujjain,(M.P).**

**Details of Authorisation**

| Category of Hazardous Waste as per the Schedules I, II and III of these rules | Quantity (ton/annum) | Authorised mode of disposal        |
|---|----------------------|------------------------------------|
| Spent Carbon or filter medium (36.2)  | 3.00 MT              | Disposal-CTSDf                     |
| Used or Spent Oil (5.1)   | 1.80 MT              | Reuse, Sale to authorised recycler |

- (1) The authorisation shall be valid for a period of five year from **01/10/2020 to 30/09/2025**.  
(2) The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.  
(3) The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

**General conditions of authorisation:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.

**Consent No:AWH-52108**



11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Additional Haz condition:-**

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it\_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.

### **Packing, Labeling & Transportation of Hazardous wastes:-**

- (i) The Industry shall ensure that the hazardous waste are packaged and labeled, based on the composition in a Manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.



(vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.

(iv) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste arresting in the industry premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

#### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity                       | Disposal   |
|--|--------------------------------|--|
| Scrap/ Plastic packing material wood, sweeping, card board, gunny bogs etc | Shall inventories the quantity | Sale to authorized party/As Per CPCB. MoEF Guide lines / Others. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

11. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

**Consent No:AWH-52108**



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

12. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

### **Additional condition:-**

1. The industry shall operate and maintain the "Outdoor HD Industrial grade IP (Internet Protocol) cameras with Pan-Tilt-Zoom (PTZ) feature, minimum focal length 30X with night vision facility and tamper proof mechanism" at least three suitable locations to display all emission sources and effluent discharge points for remote surveillance with Environment Surveillance Centre, M.P. Pollution Control Board Bhopal on or before application to CTO.
2. The industry shall ensure the transportation of the hazardous waste through the MPPCB authorized trucks/tankers provided with the GPS system, Blue coloured with white strip painted as hazardous waste, tenth passed driver etc as per CPCB guidelines issued in year 2005-06.
3. The industry shall ensure submission of Annual return form-4 ending year on or before 30<sup>th</sup> June preferably before 30<sup>th</sup> April.
4. The Industry shall not store Hazardous wastes more than Three month and firm arrangements shall be made with the end users.
5. The hydrochloric acid generated during scrubbing shall be disposed in accordance with the CPCB guidelines used for identification of waste or by products in September, 2019 and necessary permission for the same shall be obtained from board within one months.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 & The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board



e-Signed On 09/09/2020 17:22:05  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # 58KXW149WL

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:AWH-52108**





## Authorization Order

RED-LARGE

CCA-Renewal

VALIDITY (H): 25/04/2023

CONSENT NO: \*\*\*

PCB ID: 19354

NO: /MPPCB/UJJ

To,  
The Occupier,  
M/s. Grasim Industries Limited (Chlosulphonic Acid Plant),  
BIRLAGRAM, NAGDA, SIDC : I/A Mehatwas Nagda  
TAL : Nagda, DIST : Ujjain, 456331 (M.P.)

**Subject:** Renewal of Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016.

**Ref:** Your Application Receipt No. 663143 Dt. 16/03/2018 and last communication received on dated 26/05/2018.

With reference to your above application, the Grant of renewal of Authorization has been considered under the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016. The M. P. Pollution Control Board has agreed to renew Authorization Up to **25/04/2023**, subject to the fulfillment of the terms & conditions, enclosed with this letter

### SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location: Plot No: Birlagram, Nagda-456331, Tal: Nagda, Dist – Ujjain, (M.P.)
- The capital investment in : Rs. 12.66 Crs
- Product & Production Capacity:

| Product              | Applied Qty / year   |
|----------------------|--|
| CHLOROSULPHONIC ACID | 23400 MT<br>(TWENTY THREE THOUSAND FOUR HUNDRED METRIC TONNES) |

**Note-** This renewal of consent is being granted without prejudice to the Criminal proceeding pending against the industry in the Court of Law. This renewal of consent in no way be taken as measures of proof that the industry has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court shall be binding to the industry and this Board.

The Validity of the Authorization is up to **25/04/2023** and has to be renewed before expiry of Authorization validity. Online application through XGN with annual license fee in this regard shall be submitted to this office **6 months before expiry Authorization**. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required

**Enclosures:-**

- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 22/09/2018 13:17:13  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # KIR736PAR4

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:H-48807,Hazd Validity:25/04/2023, Outward No:87292,22/09/2018, TPAV # KIR736PAR4**



## Authorization Order

### CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

#### **FORM-2** **[See rule 6 (2) ]**

#### **FORM FOR RENEWAL OF AUTHORISATION BY M.P. POLLUTION CONTROL BOARD TO THE OCCUPIERS WASTE GENERATION**

1. Number of authorisation and date of issue : ,
2. Reference of application (No. and date) : **COW-663143, dt: 16/03/2018**
3. M/s Grasim Industries Limited (Chlosulphonic Acid Plant) (19354) is hereby granted an authorisation for generation, collection, storage, transport and safe disposal of hazardous wastes being generated from the premises situated at Plot No: Birlagram, Nagda-456331, Tal: Nagda, Dist – Ujjain, (M.P.)

#### **Details of Authorisation**

| Category of Hazardous Waste as per the Schedules of these rules | Mode of disposal  | Quantity (ton/annum) |
|---|---|----------------------|
| Used or Spent Oil (5.1)   | To be sold to authorized recycler authorized with SPCB. | 0.25 MT              |

- (1) The authorisation shall be valid for a period of five year i.e. from **26/04/2018 to 25/04/2023**
- (2) The authorisation is subject to the following general and specific conditions :

#### **A. General conditions of authorisation:**

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of

**Consent No.H-48807, Hazd Validity: 25/04/2023, Outward No: 87192, 22/09/2018, TPAV # RIR/36PAR4**



## **Authorization Order**

authorisation.

11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arising in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **B. Specific conditions:**

1. 1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

### **Additional Haz condition:- (if any)**

### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The Industry shall ensure that the hazardous waste are packaged and labeled, based on the composition in a Manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment.



## Authorization Order

### **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal |
|--|----------|----------|
| Scrap/ Plastic packing material wood, card board, gunny begs etc |          | Sold of  |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:
  - a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
  - b. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.
4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month
6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.
7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.
8. The applicant shall submit such information, forms and fees as required by the board not letter than 180 day prior to the date of expiration of this consent/authorisation
9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :
  - (a) Violation of any terms and conditions of this Consent.
  - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
  - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.



## Authorization Order

### Additional condition:- (if any) :-

Authorization as required under the Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN **at least Six months before** the date of expiry of this Authorisation. The applicant without valid Authorisation (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 22/09/2018 13:17:13  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # KIR736PAR4

ACHYUT ANAND MISHRA  
Member Secretary

**Consent No:H-48807,Hazd Validity:25/04/2023, Outward No:87292,22/09/2018, TPAV # KIR736PAR4**



# Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Renewal

VALIDITY (A/W): 31/08/2019  
VALIDITY (H): 11/04/2023

CONSENT NO: \*\*\*

PCB ID: 19455

NO: /MPPCB/UJJ

To,

The Occupier,  
M/s. Grasim Industries Limited ( Poly Aluminium Chloride Plant).  
Birlagram, City : Nagda, SIDC : I/A Mehatwas Nagda  
Tal : Nagda, Dist : Ujjain, Pin - 456331 (M.P.)

**Subject:** Renewal of Consent under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016

**Ref:** Your Renewal of consent & Authorization Application Receipt No. 673620 Dt. 21/04/2018 and last communication received on Dt.08/05/2018

With reference to your above application for renewal of consent & Authorization has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to renew consent up to **31/08/2019** & authorisation up to **11/04/2023**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

**SUBJECT TO THE FOLLOWING CONDITIONS :-**

- Location: Birlagram, City : Nagda-456331 Tal : Nagda, Dist : Ujjain, (M.P.)
- The capital investment in : Rs. 21.00 Crs
- Product & Production Capacity:

| Product                 | Applied Qty / year   |
|-------------------------|--|
| Poly Aluminium Chloride | 27,720 MT<br>(TWENTY SEVEN THOUSAND SEVEN HUNDRED TWENTY MERIC TONNES) |

Note:- For any change in above industry shall obtain fresh consent from the board.

The Validity of the consent will be up to **31/08/2019** and Authorization up to **11/04/2023** and has to be renewed before expiry of the validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent/Authorization**. Board reserves the right to amend/cancel / revoke the condition in part or whole as and when required.

**Enclosures:-**

- \* Conditions under Water Act
- \* Conditions under Air Act
- \* Conditions under Hazardous Rules
- \* General conditions



e-Signed On 01/06/2018 16:24:04  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # EJ6KVJQ8XX

ACHYUT ANAND MISHRA  
Member Secretary

Consent No:AWH-48385,Validity:31/08/2019,Hazd Validity:11/04/2023, Outward No:66821,01/06/2018, TPAV # EJ6KVJQ8XX



## **CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent generation shall not exceed **10.0 KL/day** and the daily quantity of sewage generation shall not exceed **1.0 KL/day**

### **2. Trade Effluent Treatment:-**

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |           |           |            |            |
|----------------------------|------------|-----------|-----------|------------|------------|
| pH                         | Between    | 5.5 – 9.0 | TDS       | Not exceed | 2100 mg/l. |
| Suspended Solids           | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |           |            |            |
| COD                        | Not exceed | 250 mg/l. |           |            |            |
| Oil and grease             | Not exceed | 10 mg/l.  |           |            |            |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

|                            |            |           |
|----------------------------|------------|-----------|
| pH                         | Between    | 5.5 – 9.0 |
| Suspended Solids           | Not exceed | 10 mg/l.  |
| BOD <sub>3</sub> Days 27°C | Not exceed | 30 mg/l.  |
| COD                        | Not exceed | 250 mg/l. |
| Oil and grease             | Not exceed | 10 mg/l.  |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 160.000 | WWG : 11.000 | Water Source |
|----|---|--------------|--------------|--------------|
| 1  | Cooling Water                               | 70.000       | 5.000        | Local Body   |
| 2  | Mnfg Process                                | 85.000       | 5.000        |              |
| 3  | Domesic                                     | 5.000        | 1.000        |              |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for Industrial cooling/ process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements..

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

### **10. Compilation of Monitoring data-**

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of



the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

#### 11. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

#### 12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

#### 13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

#### 14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

#### 15. Disposal of Collected Solid Waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazd & other waste Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

#### 16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

#### 17. Prohibition of By pass system of treatment facilities -

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

#### **Additional Water condition:- (if any) :-**

1. The industry shall treat the waste water through ETP, RO, MEE & dryer to achieve Zero Liquid Discharge.
2. The sewage shall be treated in common Sewage Treatment Plant & treated water shall be utilized with in plant for plantation, cooling, etc. and shall ensure zero discharge from the premises.





## **CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-**

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section    | Capacity       | Stack height(mtrs) | Fuel | Control equipment to be installed | P.M., Acid Mist, Cl2 (mg/Nm <sup>3</sup> ) |
|--------------------|----------------|--------------------|------|-----------------------------------|--|
| Acid Mists         | water scrubber | 34                 | HSD  | Scrubber,                         | 50, 35,15                                  |
| Spray Dyer (3 Nos) | dryer          | 34                 | -    | Scrubber,                         | 50, 35,15                                  |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100  $\mu\text{g}/\text{m}^3$  (PM<sub>10</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60  $\mu\text{g}/\text{m}^3$  (PM<sub>2.5</sub>  $\mu\text{g}/\text{m}^3$  24 hrs. basis)
- Sulphur Dioxide [SO<sub>2</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO<sub>x</sub>] (24 hrs. Basis) - 80  $\mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000  $\mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4x4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

**Additional Air condition:- (if any) :-**



**CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-**

**FORM-2**  
**[See rule 6 (2) ]**

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS OF WASTE GENERATION**

1. M/S Grasim Industries Limited ( Poly Aluminium Chloride Plant) is hereby granted the authorization for generation, collection, storage, transport and safe disposal of Hazardous waste being generated from the premises situated at - Birlagram, City : Nagda-456331 Tal : Nagda, Dist : Ujjain, (M.P.)

2. The authorization granted to operate a facility for generation, collection, reception, storage and transport of hazardous waste

| Category of Hazardous Waste as per the Schedules I of these rules | Mode of disposal   | Quantity (ton/annum) |
|---|--|----------------------|
| Used or Spent Oil (5.1)   | To be sold to authorized Re-processors/ Recycler registered with SPCB. | 3.0 MT               |

3. The waste specified under hazardous waste stream as mentioned above shall be stored as per MoEF and CPCB guidelines issued time to time and disposed off as indicated in above table as per Hazardous and other Waste (Management & Transboundary movement) Rules, 2016.

4. The authorization shall be in force for a period of Five years from **12/04/2018 to 11/04/2023**.

5. The industry shall take all the steps wherever required, for reduction of the waste generated or for recycling or reuse.

6. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.

7. The authorisation is subject to the terms & conditions as given below and to such conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986. Violation of any of the conditions shall be liable for legal action as per provisions under Environment (Protection) Act, 1986.

**Terms and Condition Of Authorisation**

1. The authorisation shall comply with the provision of Environment (Protection) Act, 1986 and the rules made there under.

2. The authorisation or its renewal shall be produced during inspection on the request of the inspecting officer authorized by the State Pollution Control Board.

3. The authorized person shall not rent, lend, sale, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the State Pollution Control Board.

4. If the industry comes in such a category where insurance under Public Liability Insurance Act, is necessary, the industry shall comply with provision and submit a copy of the policy to the Board.

5. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.

6. The unit should maintain the records of hazardous wastes as per the Form-3 of rule 9 (1) and should online submit the annual return in Form No.4 as per the rule 9 (2) to this office on or before 31st January every year.

7. Details of auction/sale of non-ferrous hazardous waste should be submitted online in form no.13 to this office annually.

8. An on-site storage for waste for a maximum period of one year or a maximum quantity of 10 MT, whichever is less, should be provided and it shall be ensured that there is no leakage or seepage or spillage from surrounding walls or bottom. The site should be covered and properly protected to prevent the entry of rainwater in storage area.



9. It is the duty of authorized person to take prior permission of the M.P. Pollution Control Board to close down the facility.
10. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online quarterly.
11. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
12. The authorized person should inform the name and address of the contact person responsible for hazardous waste management.
13. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13 (i) of Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 as amended up to date.
14. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on Fax/telephone/email-it\_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per rule -10 of Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 as amended up to date.

**Additional Haz condition:- (if any) :-**

### **Packing, Labeling & Transportation of Hazardous wastes**

- (i) The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.
- (ii) The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors.
- (iii) The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.
- (iv) In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.
- (v) The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 21(1).
- (vi) The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.
- (vii) No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 6 of the manifest accompany it.
- (viii) The transporter shall submit copies 3 to 6 of the manifest duly signed with date to the operator of the facility along with the waste consignment



## **GENERAL CONDITIONS:**

1. The non hazardous solid waste generating in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

### **Non Hazardous Solid wastes:-**

| Type of waste  | Quantity | Disposal  |
|--|----------|---|
| Scrap/ Plastic packing material wood, card board, gunny bogs etc | -        | To be sold to the authorized vendors.             |
| Un reacted Alumina Hydrate Sludge                                | 20 MT    | To be disposed of scientifically as per the rules |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

7. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. Industry shall obtain membership of Emergency Response Center of the Board if needed.

11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.



## Consent Order

M.P. Pollution Control Board  
E-5, Arera Colony  
Paryavaran Parisar, Bhopal - 16 MP  
Tele : 0755-2466191, Fax-0755-2463742

### Additional condition:- (if any) :-

1. The Industry shall operate & maintain Outdoor HD Industrial grade IP(Internet Protocol) Cameras with pan-Tilt-Zoom(PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point and connect the same with Environment Surveillance Centre, MP Pollution control board Bhopal for remote surveillance.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of  
M.P. Pollution Control Board

( Member Secretary )



e-Signed On 01/06/2018 16:24:04  
(Organic Authentication on AADHAR from UIDAI Server)  
TPAV # EJ6KVJQ8XX

ACHYUT ANAND MISHRA  
Member Secretary

**Annexure 4**  
**water permission**

689/7/531/52

No. 689/VIII/1953-52 (ind)

Annexure 4

All Communications to this Office should give the No., Date and Subject of any previous correspondence and should note the department quoted.

FROM

SECRETARY TO GOVERNMENT,  
MADHYA BHARAT,  
Gwalior/INDORE.

TO

Public Works Department

~~The Chief Engineer,~~

~~P.W.D. & Irrigation,~~

~~Madhya Bharat, Camp Indore.~~

Dated Gwalior/Indore, June 11, 1953.

SIR.

Subject:- Construction of a dam across the river Chambal near Nagda by the Gwalior Rayon Silk Mfg. (Wvg.) Co. Ltd. Nagda.

Public Works  
Department.

I am directed to communicate the grant of permission to the Gwalior Rayon Silk Mfg. (Wvg.) Co. Ltd. Nagda to construct a Bund across the river Chambal near Nagda as per design proposed by the Superintending Engineer PWD, Southern Circle, now Circle No. II in his technical note. The Chief Engineer I/C Chambal Hydel Scheme who was consulted in the matter has no objection for such a permission being granted. The Company is being informed of this.

The Superintending Engineer and the Executive Engineer PWD, Ratlam, may please be directed to see that the construction proceeds according to the sanctioned design and according to the technical note of the Superintending Engineer.

Yours faithfully,

SD/- K.V. Kalevar

Secretary to Government

Copy forwarded to the :-

- 1) Superintending Engineer, Circle No. II, Indore,
  - 2) Executive Engineer, PWD, Ratlam,
  - 3) Chief Engineer, Chambal Hydel Scheme, P.O. Chambal Hydel Works,
  - 4) Dy. Secretary, The Gwalior Rayon Silk Mfg. (Wvg.) Co. Ltd., Nagda
- for information and necessary <sup>action</sup> with reference to his personal discussion that he had today with the Secretary PWD in this case.

He is requested to contact the Superintending Engineer or the Executive Engineer, Ratlam, in the matter and to proceed further as per technical advice tendered by them.

By order,

*J. V. Kalevar*