



Plant:  
Post Box No.-12, Durgachak,  
Haldia, Dist. - Purba Medinipore  
West Bengal, Pin-721602, India  
Tel.: +91 (03224) 274007/384/400/876  
WEBSITE : www.haldiapetrochemicals.com  
CIN:U24100WB2015PLC205383

HPL/IMS/HSEF/R/4.3.2/08/ENV/E-06/MoEF&CC

September 26, 2024

Deputy Director General of Forests (C)  
Ministry of Environment, Forest and Climate Change,  
Sub-Office Kolkata, Regional Office Bhubaneswar  
IB-198, Sector – III, Salt Lake City,  
Kolkata – 700106

आबती से. / RECEIPT NO. ....  
दिनांक / DATE 26/09/2024  
MoEF&CC, SUB-OFFICE, KOLKATA

**Subject: Certified Compliance Report of Existing Environmental Clearance (EC) for Splitting of EC by M/s. Haldia Petrochemicals Limited at Tehsil Sutahata – I, Haldia, East Medinipur, West Bengal**

**Reference: EC granted by MoEF & CC vide EC Identification No. EC24A2101WB5692081N and File No: J-11011/194/2016-IA-II(I) dated 08/08/2024**

Dear Sir/Madam,

This has reference to the above-mentioned EC for Expansion in Propylene, Phenol & Acetone capacity (within 20%) along with Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutahata-I, Haldia, Dist: East Medinipur, West Bengal.

We are, hereby, proposing for a Split of the existing EC in favour of AdPlus Chemicals & Polymers Pvt. Ltd (AdPlus) within the existing facility at Tehsil Sutahata – I, Haldia, East Medinipur, West Bengal.

The following documents are being attached herewith for your review and subsequent certification please:

- The latest EC copy
- The latest Consent to Establish copy
- EC conditions compliance report as on date

As per MoEF&CC circular no. J. 11011/618/2010-IA-II (I) dated 30/05/2012 & J 11013/41/2006 IA II (I) dated 20/10/2009, obtaining a certified compliance report on the status of the compliance of the conditions stipulated in EC from the Regional Office of MoEF&CC is a mandatory requirement for ongoing operation/split of the project.

In view of the above, we humbly request you to visit our site at the earliest and arrange to provide us the Certified Compliance Report (CCR) on compliance of the latest EC conditions on priority basis.

We assure you of our fullest co-operation for any assistance we need to provide to complete this task.

Thanking you.

Yours sincerely,

Sanjaya Bhatnagar  
Executive Vice President & Head-Plant

Encl.: As above



File No: J-11011/194/2016-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

\*\*\*



Date 08/08/2024



To,

Sh. Sanjaya Bhatnagar,  
M/s. HALDIA PETROCHEMICALS LIMITED,  
P. O. Box No. 12, Durgachak, Haldia, Salt Lake, 24 PARAGANAS NORTH, WEST BENGAL,  
700091  
hpl\_parivesh@hpl.co.in

**Subject:** Expansion in Propylene, Phenol & Acetone capacity (within 20%) alongwith Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutamata-I, Haldia, Dist: East Medinipur, West Bengal by M/s. Haldia Petrochemicals Limited – Consideration of Environment Clearance reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/WB/IND2/465335/2024 dated 15/04/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

- |  |   |
|--|---|
| (i) EC Identification No.                  | EC24A2101WB5692081N   |
| (ii) File No.                              | J-11011/194/2016-IA-II(I)   |
| (iii) Clearance Type                       | Fresh EC  |
| (iv) Category                              | A   |
| (v) Project/Activity Included Schedule No. | 5(c) Petro-chemical complexes (industries based on processing of petroleum fractions ,5(e) Petroleum products and petrochemical based processing such as production of carbon black and electrode grade graphite (processes other than cracking                       |
| (vi) Sector                                | Industrial Projects - 2   |
| (vii) Name of Project                      | Environmental Clearance for Increase in Propylene, Phenol and Acetone (within 20% capacity) alongwith Olefine Conversion Unit (OCU) at the existing plant facility at Tehsil Sutamata-I, Haldia, Dist. East Medinipur, West Bengal By M/s. Haldia Petrochemicals Ltd. |
| (viii) Name of Company/Organization        | HALDIA PETROCHEMICALS LIMITED   |

(ix) Location of Project (District, State)	MEDINIPUR EAST, WEST BENGAL
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for proposed expansion under para 7(ii) Clause III of EIA Notification, 2006 (phase I i.e., 0 % to 20 %) in Propylene, Phenol & Acetone capacity (within 20%) alongwith new Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Suthata-I, Haldia, Dist: East Medinipur, West Bengal by M/s. Haldia Petrochemicals Limited.

4. All products fall under petro-chemical complexes (industries based on processing of petroleum fractions & natural gas and/or reforming to aromatics) & Petrochemical based processing (processes other than cracking & reformation and not covered under the complexes) which are listed at S.N. 5 (c) & 5 (e) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

5. The details of products and capacity are placed in Annexure-II.

6. Ministry has issued Environmental Clearance to the existing capacity as mentioned above vide File No. J-11011/194/2016-IA-II(I) dated 20th March 2018 and J-11011/194/2016-IA-II(I) dated 27th August 2020. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC Bhubaneswar (Sub-Office: Kolkata) vide File no- 102-590/17/EPE/163 dated 26.10.2023. Action Taken Report has been submitted to IRO, MOEFCC, vide letter dated 23rd November, 2023 for partial compliances related to excess discharge waste water effluent generation during October, 2022 to March, 2023 and higher BOD values were observed from WWTP, emission of particulate matter above the stipulated standard during December 2022 and January, 2023 and BOD values were above stipulated standards for October, 2022. EAC discussed the ATR submitted in detail and was satisfied with the compliance status.

7. Standard ToR and Public Hearing are not applicable as the proposed expansion is submitted under para 7(ii) Clause III of EIA Notification, 2006 (phase I i.e., 0 % to 20 %) and as per Ministry's OM IA3-22/10/2022-IA.III[E-177258] dated 11th April, 2022. There is no litigation pending against the project.

8. Total plant area is 451.5 Ha and no additional land is required for proposed expansion, which is under possession of the company. Out of the total plant area 103 Hectares i.e., 23% of the total plant area has already been developed as greenbelt & plantation and the same will be maintained/ will be developed under greenbelt & plantation in and around plant premises. EAC suggested that greenbelt within the plant premises shall be increased to 117.39 i.e., 26% of the total plant area and additional green belt developed in 50 Ha of forest land. The estimated project cost is Rs. 600 Crores. Capital cost of EMP would be Rs. 53.1 Crores and recurring cost for EMP would be Rs. 33.82 Crores per annum. Industry proposes to allocate Rs. 3 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 130 persons as direct & indirect.

9. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. River Hoogly is at a distance of 2 Km from the project site.

10. Ambient air quality monitoring was carried out at 8 locations during 3rd March 2023 to 31st May 2023 and the baseline data indicates the ranges of concentrations as: PM10 (41.42 -66.60 g/m3), PM2.5 (19.87-35.50 g/m3), SO2 (4.8-19.20 g/m3) and NO2 (12.0-25.5 g/m3). AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 4.07 µg/m3, 4.3 µg/m3 and 7.98 µg/m3 (at AAQ-8 Baishnabchak Location) with respect to PM10, SO2 and NOX. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total fresh water requirement after expansion will be 45,410 CMD, which will be met from Haldia Development Authority. NOC has been obtained by Haldia Petrochemicals Ltd. vide letter dated 22nd February 2019. Existing effluent generation is 7125 CMD (with blowdown) which is treated through Effluent Treatment Plant of design capacity 4090

CMD (Process Effluent+ Sanitary Effluent) and 28,220 CMD Cooling Tower Blowdown + DM Neutralization Waste. Proposed effluent generation will be 409 CMD (with blowdown) which will be treated through proposed Effluent Treatment Plant of capacity 4090 CMD (Process Effluent+ Sanitary Effluent) and 28,220 CMD Cooling Tower Blowdown + DM Neutralization Waste). Domestic wastewater is being treated in existing ETP (Design Capacity of ETP in 4090 KLD). Total Effluent generation (Process waste + Sanitary waste + Cooling Tower Blowdown + DM Neutralization Waste) remain within existing discharge limits of 8,625 CMD. The plant is being/will be based on Zero Liquid discharge system and treated effluent/water is being/will not be discharged outside the factory premises.

12. Total power requirement after proposed expansion will be 111.59 MW which will be sourced from existing power plant. NOC for power requirement from State Grid is Not Applicable. Existing unit has 2 x 34.5 MW GTs, 1 x 16.7 MW BPSTG, 2 x 33 MW CSTGs, 2 x 120 TPH HRSGs and 5 x 120 TPH Auxiliary Boilers and 25 MW BPSTG will be installed. APCE ESP, Bag filter with a stack of height of 140 m is installed with the existing coal fired boiler for controlling the particulate emissions within the statutory limit of 30 mg/Nm<sup>3</sup>. Industry has 1500 KVA DG set which will be used as standby during power failure and stack height (17.20 m) will be provided as per CPCB norms to the proposed DG sets. An additional 1x 2,000 KVA DG Set is provided as back-up for OCU-Phenol unit fully complying with CPCB norms.

13. Details of Process emissions generation and its management:

- The potential pollutants emitted from point and fugitive sources during normal operations at HPL Plant include Sulfur dioxides, Oxides of Nitrogen, Carbon Monoxide and other Volatile Organic Compounds.
- The existing units of Naphtha Cracker, Incinerator, PGHU and CPP have combustion processes.
- There are 18 stacks connected to these different processes. Fuel grade Naphtha, lean and off gases are used as fuel in CPP. Additionally, 4 stacks have been proposed for the project. In addition, there is one existing Flare Stack of 120 mt height. An additional Flare Stack of 120 mt height has also been proposed for the project.
- Use of sulfur free fuel gas (mixture of CH<sub>4</sub>+H<sub>2</sub>) as a fuel in furnaces of Naphtha Cracker Unit (NCU) and Pyrolysis Gasoline Hydrogenation Unit (PGHU). Due to C/H ratio of the fuel gas, particulate emissions also negligible from these sources.
- Use of low NO<sub>x</sub> burners in NCU. In PGHU, the temperature is low, where NO<sub>x</sub> generation is not possible.
- Gaseous hydrocarbons are stored at high pressure and low temperature (Ethylene and Butadiene) in spheres. Due to this, fugitive emissions are negligible during material movement to sphere.
- Nitrogen padding has been provided to prevent emissions during material in/out to the tanks.
- Loading of all pressurized hydrocarbons is through close circuit. Vapour return circuits have been provided for all these hydrocarbons like LPG, Butadiene, Butene-1 and Propylene, etc.
- Loading of Benzene and Butadiene services.
- Canned pump in Butadiene service.
- Oxygen Analyzers and Calorific Value Analyzers installed in furnaces of NCU to ensure that sufficient oxygen is available for complete combustion of fuel. Calorific Value analyzers help to adjust the fuel flow.
- Vapour collection system for Benzene. Benzene Recovery Unit (BRU) has been provided to extract Benzene from these vapours.
- Routing of all process vents to Flare Header.
- Use of bag filters during solids handling in Polymer Plants.
- Placement of Gas Analyzers at strategic locations.
- Design of flare stack for a load up to 1,300 TPH to take care of any abnormal load.
- Flare monitoring for identifying abnormal flaring and to take preventive action.
- Leak Detection and Repair (LDAR) program for all process plants and hydrocarbon storage and handling area.
- Monitoring of all air pollutants at source, work zone and ambient air (as per CPCB guidelines) and modelling to estimate the impact on environment.

14. Details of solid waste/Hazardous waste generation and its management are placed in Annexure-III.

15. During deliberations, EAC discussed the following:

- PP shall submit undertaking for reusing 10 % of treated process effluent by mid-2025, to reuse and recycle 50 % of treated effluent by December 2026 and to adhere to the action plan submitted for achieving ZLD by 2030.

- PP shall increase CoC to more than seven and switch from water-cooled system in the CPP to air-cooled system by 2026.
- Industry has submitted MoU between HPL and Department of Forest GoWB vide letter No. 03/PCCF&HoFF/PA/2024 dated 12.06.2024 for 50 ha CSB plantation in Purba, Medinipur district for the period 2024-25 to 2027-28. EAC directed that after 2027-28, Industry shall take the responsibility of maintaining the plantation.
- MOU between HPL and Department of Forest GoWB for densification of existing greenbelt is targeted to be in place by July 2024. Further, EAC suggested that Industry shall increase the greenbelt to 117.39 ha i.e., 26% of total area within the industry.
- PP shall submit undertaking for enhancement & densification of the existing Greenbelt with density of 2500 trees /Ha.
- PP shall submit details of dust suppression measures in the overhead pipe conveyor.
- PP shall submit details of storage tanks considered for Risk Analysis.
- PP shall ensure that the concentration of pollutants in the ambient air quality remain within the norms specified in NAAQS 2009. In case any exceedance of air quality parameters is observed, the unit shall take action to curtail its activities immediately, till such time the ambient air quality is restored within the norms and inform the status to RO-MoEF&CC.

The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

16. The proposal was considered by the EAC (Meeting ID: EC/AGENDA/EAC/803402/6/2024) held on 20nd June, 2024 in the Ministry, wherein the project proponent and the accredited Consultant M/s. ABC Techno Labs India Pvt. Ltd. (NABET certificate no. NABET/EIA/2225/RA0290 and validity Nov 16, 2025), presented the case. The Committee recommended the project for grant of environmental clearance.

17. 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. 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.

18. The Committee noted that the EIA/EMP report is in compliance of the proposed project activities, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. 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.

19. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain 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, from the State Pollution Control Board, prior to construction & operation of the project.

20. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for establishment of Expansion in Propylene, Phenol & Acetone capacity (within 20%) alongwith Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutahata-I, Haldia, Dist: East Medinipur, West Bengal by M/s. Haldia Petrochemicals Limited, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions.

21. 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.

22. 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.

23. 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.

24. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

25. This issues with the approval of the competent authority.

#### **Copy To**

1. The Principal Secretary, Department of Environment & Forest, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata – 700 106.
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kolkata IB – 198, Sector-III, Salt Lake City, Kolkata - 700106.
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32.
4. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhawan 10A, Block-LA, Sector-III Bidhannagar, Kolkata-700 106.
5. Compliance and Monitoring Division, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
6. District Collector, East Medinipur, West Bengal.
7. Guard File/Monitoring File/ Parivesh Portal /Record File.

#### **Annexure 1**

**Specific EC Conditions for (Petroleum Products And Petrochemical Based Processing Such As Production Of Carbon Black And Electrode Grade Graphite (Processes Other Than Cracking))**

#### **1. Petroleum Products And Petrochemical Based Processing Such As Production Of Carbon Black And Electrode Grade Graphite (Processes Other Than Cracking)**

S. No	EC Conditions
1.1	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented (Annexure-IV).
1.2	Total freshwater requirement shall not exceed 45410 KLD which will be met from Haldia Development Authority. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The freshwater requirement shall be reduced after installation of rainwater harvesting system in the unit/project area.
1.3	Industry shall comply with undertaking submitted for reusing 10%of treated process effluent by mid-2025; to reuse and recycle 50% treated effluent by December 2026 and to adhere action plan

S. No	EC Conditions
	submitted for achieving ZLD by 2030.
1.4	PP shall increase CoC to more than seven and switch from water-cooled system in the CPP to air-cooled system by 2026.
1.5	Comprehensive water audit shall be conducted annually and a report submitted to the concerned Regional Office of MEF&CC. Outcome from the report to be implemented for conservation scheme.
1.6	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through the guard pond.
1.7	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.
1.8	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF. The ash from the boiler shall be sold to brick manufacturers/cement industry.
1.9	Regular VOC monitoring shall be done at vulnerable points.
1.10	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bioremediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.
1.11	Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.
1.12	<p>The company shall undertake waste minimization measures as below:</p> <ul style="list-style-type: none"> <li>a) Metering and control of quantities of active ingredients to minimize waste.</li> <li>b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>c) Use of automated filling to minimize spillage.</li> <li>d) Use of Close Feed system into batch reactors.</li> <li>e) Venting equipment through vapour recovery system.</li> <li>f) Use of high-pressure hoses for equipment cleaning etc. to reduce wastewater generation.</li> </ul>
1.13	<p>The greenbelt of 5-10 m width in total area of 117.39 i.e., 26% of the total plant area shall be developed and maintained the plant premises. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines and in consultation with the State Forest Department and native species shall be only planted. Industry shall comply with the MOU obtained vide letter No. 03/PCCF&amp;HoFF/PA/2024 dated 12.06.2024 for 50 ha CSB plantation in Purba, Medinipur district during the period 2024-25 to 2027-28. EAC directed that after 2027-28, the Industry shall take the responsibility of maintaining the plantation and shall regularly update the maintenance status to the Regional Office, MoEF&amp;CC alongwith six monthly compliance reports. PP shall submit undertaking for enhancement &amp; densification of the existing Greenbelt with tree density of 2500 trees/Ha. Trees shall be planted in the Green Belt under the campaign #Plant4Mother #एक पेड़ माँ के नाम and uploaded on the MeriLiFE portal (<a href="https://merilife.nic.in/">https://merilife.nic.in/</a>).</p>
1.14	PP proposed to allocate Rs. 03.00 Crore towards CER (Annexure-V).

S. No	EC Conditions
1.15	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
1.16	The unit shall make the arrangement for the protection of possible fire hazards during the manufacturing process in material handling. The firefighting system shall be as per the norms.
1.17	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. PP shall ensure that the concentration of pollutants in the ambient air quality remain within the norms specified in NAAQS 2009. In case any exceedance of air quality parameters is observed, the unit shall take action to curtail its activities immediately, till such time the ambient air quality is restored within the norms and inform the status to RO, MoEF&CC.
1.18	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
1.19	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9th November 2012 as amended from time to time shall be followed.
1.20	Recommendations of mitigation measures for possible accidents shall be implemented based on Risk Assessment studies conducted for worst-case scenarios using the latest techniques.
1.21	The unit shall make the arrangement for protection of possible fire hazards during the manufacturing process in material handling. The firefighting system shall be as per the norms. PESO certificate shall be obtained. Location of storage tanks of hazardous/flammable/toxic substances shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such an event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary.
1.22	Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the location of the leak source and the probable leaked quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, a Risk Mitigation plan shall be in place and tested using the 3D CFD modelling.
1.23	Company shall determine the distance of fire hydrant while finalizing its location from storage tanks of flammable substances or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.
1.24	The project proponent shall develop R& D facilities to develop their own technologies for propylene and polypropylene processing.
1.25	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to

S. No	EC Conditions
	concerned authority.

## 2. General Conditions

S. No	EC Conditions
2.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
2.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
2.3	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
2.4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
2.5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
2.6	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
2.7	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
2.8	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

S. No	EC Conditions
2.9	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
2.10	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
2.11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

## Annexure 2

### Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Propylene	Product	385	75	460	KTA	Pipe Conveyor
Phenol	Product	200	40	240	KTA	Road
Acetone	Product	123	24	147	KTA	Road

**Annexure –II**

**The details of products and capacity are as under:**

S. No	Product/by- product	Existing Quantity (KTA)	Proposed Quantity (KTA)	Total Quantity (KTA)
1	Ethylene	770	0	770
2	Propylene	385	75	460
3	Polypropylene	341	0	341
4	High Density Polyethylene (HDPE)	494	0	494
5	Linear Low-Density Polyethylene (LLDPE)	386	0	386
6	Butadiene	111	0	111
7	Benzene	175	0	175
8	C4 Raffinate	126	0	126
9	Vinyl Acetate Ethylene (VAE)	60	0	60
10	Mixed Butane	126	0	126
11	Cyclo Pentane	8.2	0	8.2
12	Pyrolysis Gasoline/Pentane	200	0	200
13	Motor Spirit (MS) Euro IV	300	0	300
14	Phenol	200	40	240
15	Acetone	123	24	147
16	Carbon Black Feedstock (CBFS)	100	0	100
17	Poly Butylene Terephthalate (PBT)	70	0	70
18	Tetrahydrofuran (THF)	16	0	16
19	C6 Raffinate	64	0	64
20	Cumene (Intermediate)	266	53	319

Note: The proposed capacity of Olefin Conversion Unit (OCU) is 117 KTA

**Annexure –III**

**Details of solid waste/Hazardous waste generation and its management are given below:**

**Solid Waste details and disposal methods:**

Sl. No.	Non-Hazardous waste	Existing Quantity	Proposed Quantity after expansion	Method of disposal
1	Kitchen waste	9 TPA	9 TPA	Sent to landfill for MSW through Municipality
2	Metal/Wooden scrap, Miscellaneous Garbage,	1,142 TPA	1,142 TPA	Proper segregation and storage at designated area inside scrap yard Miscellaneous Garbage, Broken packaging wastes will be

				periodically sold to local waste recyclers.
3	Recyclable waste like flexible packaging materials (plastic woven sacks) under EPR obligation as Brand Owner & Importer	4,485 TPA	4,485 TPA	An authorized PWP/PRO agency has been engaged to collect/transport and recycle through authorized plastic recycler to meet the yearly target.
4	Fly ash & Bed ash from CPP (Coal Fired Boiler)	15-40 TPH	15-40 TPH	Sent to ash based industries/landfilling

#### Hazardous waste details:

Sl. No	Description	Category	Source	Quantity	Mode of Disposal
Existing Hazardous Waste					
1	ETP Sludge	35.3	WWTP	425 MT/Year	Incineration at CHWTSDF/Co-processing in Cement Kiln
2	Oily Wastes (Skimmed oil, Slop oil, Waste Lube oil, etc)	5.1 & 5.2	NCU, NCAU, Polymer Plants/Mechanical & Electrical Maintenance	350 m3/Year	Incineration at CHWTSDF/Recycled through authorised Waste & Used Oil Recyclers
3	Catalysts (Inert Materials and traces of heavy metals)	1.6	NCU, LLDPE, HDPE	150 MT in 3-5 year	Sent to authorized recycler of spent catalyst
4	Molecular sieves (Sodium Aluminium Silicate)	1.6	NCU	125 MT in 3-5 year	Secured landfill at CHWTSDF
5	Ion exchange resins (Polymeric Materials)	35.2	WTP, NCU, NCAU	10-12 m3 in every 2 years	Incineration at CHWTSDF

Sl No	Description	Category	Source	Quantity	Mode of Disposal
6	Oil impregnated Coke	36.2	NCU	25 MT/Year	Incineration at CHWTSDf
7	Incinerator ash (Inorganics)	37.2	Incinerator	22 m3/year	Secured landfill at CHWTSDf
8	PBT	4.2	Polybutylene Terephthalate & THF	10-20kg/day	Will be sent to CHWTSDf / Recycling
9	Oligomers	4.4	Polybutylene Terephthalate & THF	6kg/day	Will be sent to CHWTSDf / Recycling
10	Prepolymer with steel sieves	1.6	Polybutylene Terephthalate & THF	8-12 kg/day	Will be sent to CHWTSDf / Recycling
11	Polymer with steel sieves	1.6	Polybutylene Terephthalate & THF	2-5 kg/day	Will be sent to CHWTSDf / Recycling
12	Side stream THF column	4.4	Polybutylene Terephthalate & THF	2000-3000 kg/day	Will be sent to CHWTSDf / Recycling
13	Spent hydrogenation catalysts	1.6	Pyrolysis Gasoline Hydrogenation Unit	9.5 TPA	Sent to authorized recycler of spent catalyst
Proposed Hazardous Waste					
14	Alkylation catalyst (PBE-1 zeolite)	1.6	Phenol & Acetone	39120 kg/20 years	Will be sent to authorized recycler of spent catalyst
15	Fresh Benzene N2 guard treater clay	1.6	Phenol & Acetone	20290 kg/ 6 months	Will be sent for secured landfilling at CHWTSDf
16	Propylene arsine guard treater adsorbent	1.6	Phenol & Acetone	1188 kg/ year	Will be sent for secured landfilling at CHWTSDf
17	Propylene N2 guard treater adsorbent	1.6	Phenol & Acetone	3680 kg/ 4 years	Will be sent for secured landfilling at CHWTSDf
18	Phenol	35.2	Phenol &	31200	Will be sent for

Sl. No	Description	Category	Source	Quantity	Mode of Disposal
	purification reactor Resin		Acetone	kg/4 years	incineration at CHWTSDF
19	AMS hydrogenation catalyst	1.6	Phenol & Acetone	16800 kg / year	Will be sent to authorized recycler of spent catalyst
20	TBC treater adsorbent	1.6	OCU	24960 kg/ 2 months	Will be sent for secured landfilling at CHWTSDF
21	C5 Feed treater adsorbent	1.6	OCU	21861 kg/ 3 years	Will be sent for secured landfilling at CHWTSDF
22	OCT Reactor feed treater catalyst	1.6	OCU	24342 kg/ 4 year	Will be sent to authorized recycler of spent catalyst
23	Spent Hydrogenation catalysts	1.6	OCU	62 m <sup>3</sup> / 4 years	Will be sent to authorized recycler of spent catalyst

#### Annexure - IV

##### **Capital cost and recurring cost of EMP are given below:**

Sl. No	Description	Capital Cost in Crores	Recurring Cost in Crores /Annum
1	Air Pollution Control		
	a) Flare Stack with associated piping	40	29.64
	b) Continuous Emission Monitoring System for 3 stacks		0.06
	c) Pollution Control during construction stage (Dust suppression, wastewater treatment and disposal, piling muck disposal, bio-toilet etc.)	2	
	d) Air quality Monitoring	1	0.05
2	Wastewater Management		
	a) Pre-treatment Plant (350 KLD)		0.47
	b) Wastewater Quality Monitoring		0.14

3	Noise and Vibration Mitigation		
	a) Noise Monitoring (Ambient & Spot Noise)		0.004
	b) Sound attenuation Panels/Cabins	1.5	
	c) Silencers, Mufflers, Rubber mountings, isolators	0.5	
4	Leak Detection (fugitive emission from approx. 2000 points)		0.009
5	Solid & Hazardous Waste Management		
	a) Disposal of Hazardous Waste (adsorbent/clay/resin/others)		0.20
	b) Concrete platform with bund wall and oil collection system for storage of HSD, and other Oil Drums and Used Oil	1.5	
6	Storm water Management	5.5	
7	Rainwater Harvesting	1.10	
8	Green Belt Development and Maintenance		1.23
9	Statutory Clearances (CTE/CTO/PESO/Others)		2.02
	Grand Total	53.1	33.82

#### Annexure - V

#### **Details of extended EMP (CER) with proposed activities and budgetary allocation:**

Sl. No	Proposed activity	Proposed Budget (in Lacs INR)
1.	a) School building repair and renovation b) Setting up Science Laboratory & Book Distribution c) Installation of Drinking Water facility	143.25
2	a) Infrastructure & facility development in health care centres & hospitals b) Mobile Clinical Van c) Patient Rehabilitation - physiotherapy care equipment	87.98
3	Skill & livelihood development by imparting training to rural women to craft diversified jute products	20
4	Community forest and mangrove plantation in Sajnekhali (Sunderban) Distribution of fruit bearing plants to local community	22.9
5	Water Purifiers for District Police Force Computer for Coaching Centres & Schools	26.2
	<b>Grand Total</b>	<b>300.33</b>

Signed by  
Vimal Kumar Hatwal  
Date: 08-08-2024 14:46:27  
Reason: Verified and signed

**EC Identification No. EC24A2101WB5692081N dated 08.08.2024**

**File No. J-11011/194/2016-IA-II(I)**

**Subject: Expansion in Propylene, Phenol & Acetone capacity (within 20%) alongwith Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutahata-I, Haldia, Dist: East Medinipur, West Bengal by M/s. Haldia Petrochemicals Limited – Consideration of Environment Clearance reg.**

**Specific EC Conditions** for petroleum Products And petrochemical based Processing such As production Of carbon Black And Electrode Grade Graphite (processes Other Than Cracking)

**1. Petroleum Products and Petrochemical Based Processing Such As Production Of Carbon Black And Electrode Grade Graphite (Processes Other Than Cracking)**

S. No.	EC Conditions	Status as on September 2024
1.1	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented (Annexure-IV).	Shall be complied.
1.2	Total freshwater requirement shall not exceed 45410 KLD which will be met by the Haldia Development Authority. Necessary permission in this regard shall be obtained from the concerned regulatory authority. The freshwater requirement shall be reduced after installation of rainwater harvesting system in the unit/project area.	Freshwater consumption will be within 45410 KLD. Existing rainwater harvesting system is being further augmented to reduce freshwater requirement.
1.3	Industry shall comply with undertaking submitted for reusing 10% of treated process effluent by mid-2025; to reuse and recycle 50% treated effluent by December 2026 and to adhere action plan submitted for achieving ZLD by 2030.	Actions have been initiated for recycling of treated process effluent from Wastewater Treatment Plant (WWTP) as cooling tower make-up. Tendering process for effluent recycling has been initiated. Based on Expression of Interests (EOIs) submitted, selection of potential bidders is under progress. 50% recycling scheme of treated effluent be achieved by December 2026.
1.4	PP shall increase CoC to more than seven and switch from water-cooled system in the CPP to air-cooled system by 2026.	During Apr-Sep, CoC have been more than seven. Necessary actions to engage reputed consultant have been initiated for studying switch from water cooled system to air cooled system in CPP.
1.5	Comprehensive water audit shall be conducted annually and a report submitted to the concerned Regional Office of MoEF&CC. Outcome from the report to be implemented for conservation scheme.	A comprehensive water audit through accredited agency shall be done and the report would be submitted to MoEF&CC latest by March 2025. One proposal has been received from CII-GBC, Hyderabad in this regard.

1.6	Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through the guard pond.	<p>In no way process effluent/wastewater is getting mixed with storm water.</p> <p>Our petrochemical complex has been designed in late 1990s and commissioned in the year 2000. As per prevailing best practices, storm water from potential contaminated areas has been routed to effluent pits of ISBL unit through 2-valve pits and are routed to WWTP for treatment and disposal. 2 nos. of guard ponds have been provided within WWTP.</p> <p>Storm water from non-contaminated areas flow through surface drain. Six sluice gates have been installed in the storm water channel at different locations in the Complex to handle any emergency situation, during which, it can be transferred to WWTP through underground sewerage system for treatment and disposal.</p> <p><b>Full Compliance</b></p>
1.7	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.	<p>All the hazardous chemicals are stored in properly designed tanks, drums, carboys etc.</p> <p>Necessary flame arrester, fire water spray system/hydrant/monitors/foam chambers have been provided in the tank farm as per standard practice.</p> <p>Solvent is transferred through pump only.</p> <p><b>Full Compliance</b></p>
1.8	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF. The ash from the boiler shall be sold to brick manufacturers/cement industry.	<p>The ash from the boilers is sold to brick manufacturers and also utilized for internal landfilling purpose.</p> <p>Sludge from WWTP is sent to Cement Kiln for Co-processing purpose.</p> <p><b>Full Compliance</b></p>
1.9	Regular VOC monitoring shall be done at vulnerable points.	<p>Fugitive emission/VOC is monitored periodically in every unit across the plant under the Leak Detection &amp; Repair Programme and reports are submitted to MoEF&amp;CC along with the six-monthly compliance report.</p> <p><b>Full Compliance</b></p>
1.10	The oil sludge shall be subjected to melting pit for oil recovery and the residue shall be bioremediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	<p>Not Applicable.</p> <p>In case of any oil sludge generation, proposed guidelines would be followed.</p>
1.11	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	<p>Oil trap has been provided in the peripheral drain of Waste/Used Oil Storage Yard.</p> <p>As an additional safety measure, six sluice gates are installed in the storm water channel at different locations in the Complex to handle any emergency situation/spillage of hydrocarbon, if any.</p> <p><b>Full Compliance</b></p>

1.12	<p>The company shall undertake waste minimization measures as below:</p> <ol style="list-style-type: none"> <li>Metering and control of quantities of active ingredients to minimize waste.</li> <li>Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>Use of automated filling to minimize spillage.</li> <li>Use of Close Feed system into batch reactors.</li> <li>Venting equipment through vapor recovery system.</li> <li>Use of high-pressure hoses for equipment cleaning etc. to reduce wastewater generation.</li> </ol>	<p>HPL will adopt necessary measures for minimization of the wastes as applicable viz.</p> <p>(a) Resue of by-products like Ethylene, Propylene, C6 Raffinate, Py-Gas, C4-LPG as raw materials in different manufacturing processes of olefins/polymers.</p> <p>(b) Few chemicals manufactured by us are also used as raw materials in other industries.</p> <p>(c) Automated filling and loading system exists for continuous process reactors.</p> <p>(d) All process vents are connected with the flare stack of 120 m high. Benzene vapour is recovered in Benzene Recovery Unit during occasional tanker loading.</p> <p>(e) Hydro jetting techniques at a very high pressure (350-400 kg/cm<sup>2</sup>) are adopted for cleaning of process equipment.</p> <p><b>Full Compliance</b></p>
1.13	<p>The greenbelt of 5-10 m width in total area of 117.39 i.e., 26% of the total plant area shall be developed and maintained the plant premises. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines and in consultation with the State Forest Department and native species shall be only planted. Industry shall comply with the MOU obtained vide letter No. 03/PCCF&amp;HoFF/PA/2024 dated 12.06.2024 for 50 ha CSB plantation in Purba Medinipur district during the period 2024-25 to 2027-28. EAC directed that after 2027-28, the Industry shall take the responsibility of maintaining the plantation and shall regularly update the maintenance status to the Regional Office, MoEF&amp;CC along with six monthly compliance reports. PP shall submit undertaking for enhancement &amp; densification of the existing Greenbelt with tree density of 2500 trees/Ha. Trees shall be planted in the Green Belt under the campaign and uploaded on the MeriLiFE portal (<a href="https://merilife.nic.in/">https://merilife.nic.in/</a>).</p>	<p>The plant is surrounded by a greenbelt (103 ha) of width 50-100 m which is around 23% of the project area. The additional greenbelt (3%) will be developed in the earmarked area available within the boundary wall</p> <p>Around 1.25 Lacs of tress are present inside greenbelt surrounding HPL as of July'23.</p> <p>As per the MOU with Forest Dept, GoWB an additional land area (50 Ha) is being undertaken for CSB plantation with operation and maintenance of the entire greenbelt area through Forest Dept on long term basis.</p> <p>For densification of the existing greenbelt, undertaking has been submitted. Actions have been initiated for engaging the Forest Department for densification work.</p> <p>Necessary information regarding plantation of trees in the Greenbelt shall be uploaded in the MeriLiFE portal subsequently.</p>
1.14	<p>PP proposed to allocate Rs. 03.00 Crore towards CER (Annexure-V)</p>	<p>CER projects are being undertaken as per EC stipulations.</p>

1.15	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Separate Environmental Management Cell has been functional since inception. Two full-fledged laboratory facilities (Water & Air) have been set up inside the complex through a 3 <sup>rd</sup> party (Scientific Research Laboratory), duly recognized by WBPCB and accredited by NABL.  <b>Full Compliance</b>
1.16	The unit shall make the arrangement for the protection of possible fire hazards during the manufacturing process in material handling. The fire fighting system shall be as per the norms.	All the required fire protection systems have been installed as per appropriate OISD-116 guidelines.  <b>Full compliance</b>
1.17	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. PP shall ensure that the concentration of pollutants in the ambient air quality remain within the norms specified in NAAQS 2009. In case any exceedance of air quality parameters is observed, the unit shall take action to curtail its activities immediately, till such time the ambient air quality is restored within the norms and inform the status to RO, MoEF&CC.	Continuous online emission monitoring system are being installed in the proposed stacks of the heaters of the Phenol & OCU and online data will be sent to CPCB server after due installation and commissioning & validation of data of the SO <sub>x</sub> , NO <sub>x</sub> & PM analysers. HPL will ensure to maintain the ambient air quantity as per the standards specified in NAAQS 2009.
1.18	PP to set up Occupational Health Centre for surveillance of the workers health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	An Occupational Health Centre (OHC) has been functional inside the complex wherein periodic medical examination (PME) are conducted for both contractor's employees as well as own employees as per the Factories Act. The records are maintained in the Occupational Health Center (OHC). All employees are provided with the necessary PPE.  <b>Full Compliance</b>
1.19	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R. 820 (E) dated 9 <sup>th</sup> November 2012 as amended from time to time shall be followed.	We remain committed to follow proposed standards and guidelines.  <b>Full Compliance</b>
1.20	Recommendations of mitigation measures for possible accidents shall be implemented based on Risk Assessment studies conducted for worst-case scenarios using the latest techniques.	Shall be complied
1.21	The unit shall make the arrangement for protection of possible fire hazards during the manufacturing process in material handling. The firefighting system shall be as per the norms. PESO certificate shall be obtained. Location of storage tanks of hazardous/flammable/toxic substances shall be placed in such a way that in the event of	HAZOP and Risk Analysis has been done during process design stage. Necessary fire-fighting arrangements in the manufacturing as well as material handling area as per the applicable OISD-116 guidelines shall be ensured.

	any fire, accident, explosion or any unforeseen conditions the impact of such an event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary.	HPL shall obtain the desired Fire Safety certificates from West Bengal Fire Services and the desired PESO certificate, as applicable. As per the Risk Assessment study, the cumulative risk of the proposed storage tanks is within the acceptable range.
1.22	Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the leak source and the probable leaked quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, a Risk Mitigation plan shall be in place and tested using the 3D CFD modelling.	Shall be complied.
1.23	Company shall determine the distance of fire hydrant while finalizing its location from storage tanks of flammable substance or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.	Shall be complied with as per applicable OISD-116 guidelines.
1.24	The project proponent shall develop R&D facilities to develop their own technologies for propylene and polypropylene processing.	Entire propylene is converted to Polypropylene in the complex. A state-of-the art Application Research and Development Center (ARDC) is functional for developing Polypropylene processing applications.  <b>Full Compliance</b>
1.25	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of single Use plastic in order to ensure the compliance of notification published by MOEFCC on 12 <sup>th</sup> August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	Shall be complied.

## 2. General Conditions

S. No.	EC Conditions	Status as on September 2024
2.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry	HPL remains committed to follow the proposed conditions.  <b>Full Compliance</b>

	of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
2.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Presently all existing lighting fixtures in the Plant are being replaced with LED fixtures in a phased manner and > 70 % have already been replaced or being replaced. For all new projects and installations, we are using only LED lighting fixtures.
2.3	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall ambient noise level shall be maintained as per the prescribed standards by adopting adequate noise control measures in the work zone area for the upcoming plants. Equipment specification w.r.t allowable noise standards has been adhered strictly during procurement stage.  <b>Full Compliance</b>
2.4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	The CSR/CER policy of the company has been a continuous support to the local community w.r.t upgradation of local infrastructure, medical facilities, aid to local schools and skill development programme.  <b>Full Compliance</b>
2.5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	The budgeted funds for environmental activities shall be solely utilized for meeting and implementing the conditions stipulated by MoEF&CC/WBPCB. These funds will not be diverted to any other job or activities.  <b>Full Compliance</b>
2.6	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayet, Zilla Parishad/Municipal Corporation. Urban local Body and local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	The copy of the Environmental Clearance letter has been sent to Haldia Municipality as well as Haldia Development Authority. A copy of the same is enclosed for reference ( <b>Annexure-A</b> ).  <b>Full Compliance</b>

2.7	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Six monthly compliance reports on the status of stipulated Environmental Clearance conditions including results of monitored data will be sent (both soft & hard copy) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB and the same will be uploaded on the website of HPL. <a href="https://www.haldiapetrochemicals.com/">https://www.haldiapetrochemicals.com/</a>
2.8	The environmental statement for each financial year ending 31 <sup>st</sup> march in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of MoEF&CC by e-mail.	The Environmental Statement in Form-V for FY 2023-24 will be submitted to WBPCB by 30 <sup>th</sup> September 2024. Updated Environment Statement and Environmental Clearance Compliance Report shall be uploaded on the company website subsequently.
2.9	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Advertisement published in two local newspapers in English (The Telegraph) and in Bengali (Anandabazar Patrika) on 13.08.2024. A copy of the same is enclosed for reference. <b>(Annexure-B).</b>  <b>Full Compliance</b>
2.10	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Consent to Establish (CTE) against the EC has been issued by WBPCB on 10.09.2024. A copy is enclosed for reference <b>(Annexure-C).</b>  HPL shall update the Regional Office about the financial closure, approval of the projects and also the starting date of the project.
2.11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted.



Plant:  
Post Box No.-12, Durgachak,  
Haldia, Dist. - Purba Medinipore  
West Bengal, Pin-721602, India  
Tel.: +91 (03224) 274007/384/400/876  
WEBSITE : www.haldiapetrochemicals.com  
CIN:U24100WB2015PLC205383

September 25, 2024

The Administrator  
Haldia Municipality,  
Dr. B. R. Ambedkar Bhawan,  
Administrative Building, City Centre  
P.O. Debhog, Haldia  
Purba Medinipur  
West Bengal



**Sub: Environmental Clearance of Haldia Petrochemicals Limited for Expansion in Propylene, Phenol & Acetone capacity (within 20%) along with Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutahata-I, Haldia, Dist: East Medinipur, West Bengal**

Dear Sir,

Enclosed please find herewith a copy of the above-mentioned Environmental Clearance (EC) vide EC Identification No. EC24A2101WB5692081N and File No. J-11011/194/2016-IA-II(I) dated 08.08.2024, duly received from Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi for your reference and perusal please.

It is being submitted to you in accordance with General Condition No. 2.6 of the said EC.

Trust you will find the above in order.

Thanking you,

Yours very truly,

Saugata Mahindar  
DGM-Environment Services

Encl: as above



Plant :  
Post Box No.-12, Durgachak,  
Haldia, Dist. - Purba Medinipore  
West Bengal, Pin-721602, India  
Tel.: +91 (03224) 274007/384/400/876  
WEBSITE : www.haldiapetrochemicals.com  
CIN:U24100WB2015PLC205383

September 25, 2024

Chief Executive Officer  
Haldia Development Authority,  
Haldia Unnayan Bhawan,  
City Centre, P.O. Debhog, Haldia,  
Dist: Purba Medinipur,  
PIN - 721657  
West Bengal

**Sub: Environmental Clearance of Haldia Petrochemicals Limited for Expansion in Propylene, Phenol & Acetone capacity (within 20%) along with Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutahata-I, Haldia, Dist: East Medinipur, West Bengal**

Dear Sir,

Enclosed please find herewith a copy of the above-mentioned Environmental Clearance (EC) vide EC Identification No. EC24A2101WB5692081N and File No. J-11011/194/2016-IA-II(I) dated 08.08.2024, duly received from Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi for your reference and perusal please.

It is being submitted to you in accordance with General Condition No. 2.6 of the said EC.

Trust you will find the above in order.

Thanking you,

Yours very truly,

Saugata Mahindar  
DGM-Environment Services

Encl: as above



# পিতৃত্বকালীন ছুটি নিয়ে নির্দেশ

নিজস্ব সংবাদদাতা

সরকারি চাকরির ক্ষেত্রে 'চাইল্ড কেয়ার লিভ'-এর মেয়াদ মহিলাদের ক্ষেত্রে ৭৩০ দিন, কিন্তু পুরুষদের জন্য মাত্র ৩০ দিন। পুরুষদের প্রতি এই বৈষম্যের বিরুদ্ধে সোমবার কলকাতা হাই কোর্টের দ্বারস্থ হলেন শিক্ষক আবু রাইহান। বিচারপতি অমৃতা সিংহের পর্যবেক্ষণ, একজন শিশুর মানসিক ও শারীরিক বিকাশের ক্ষেত্রে মা ও বাবাকে সমান দায়িত্ব পালন করতে হয়। কিন্তু ছুটির ক্ষেত্রে সমান অধিকার দেওয়া হয়নি পুরুষদের। বিচারপতির সিংহের নির্দেশ, রাজ্যের অর্থ দপ্তরের যুগ্ম সচিবকে এই বিষয়টি পর্যালোচনা করে আগামী ৯০ দিনের মধ্যে সিদ্ধান্ত নিতে হবে। মাথায় রাখতে হবে আবেদনকারীর অবস্থা এবং পুরুষ ও নারীর মধ্যে সমতার বিষয়।

আবেদনকারী রাইহান একজন শিক্ষক, দুই সন্তানের বাবা। ২০২৩ সালের ডিসেম্বরে তাঁর স্ত্রীর মৃত্যু হয়। শিক্ষকের দায়িত্ব পালন করতে গিয়ে তিনি সন্তানদের সঠিক পরিচর্যা করতে পারছেন না। তাঁর আইনজীবী শামিম আহমেদ আদালতে দাবি করেন, এই



■ কলকাতা হাই কোর্ট

বৈষম্য সংবিধান বিরোধী। পুরুষ ও নারীর মধ্যে সমান অধিকারের কথা বলা হয়েছে সংবিধানে। রাজ্যের আইনজীবী জানান, কেন্দ্র ২০১৮ সালের ছুটির আইন এখনও রাজ্যে লাগু করা হয়নি। উভয় পক্ষের বক্তব্য শোনার পর বিচারপতি সিংহের পর্যবেক্ষণ, সন্তানকে মানুষ করার ক্ষেত্রে মায়ের মতো বাবাদেরও সমান দায়িত্ব, তাই ছুটির ক্ষেত্রে তাঁদের বঞ্চিত করা যাবে না। রাজ্যকে কোর্টের নির্দেশ, মহিলা ও পুরুষদের সমান শিশু কল্যাণ ছুটি দেওয়ার আইনি প্রক্রিয়া চালু করতে হবে।

## শিক্ষা ব্যবস্থাকে পিছিয়ে দিয়েছেন মানিক, বলল ইডি

নিজস্ব সংবাদদাতা

মানিক ভট্টাচার্যের বিরুদ্ধে রাজ্যের শিক্ষা ব্যবস্থাকে ২০ বছর পিছিয়ে দেওয়ার অভিযোগ করল ইডি। সোমবার কলকাতা হাই কোর্টের বিচারপতি শুভ্রা ঘোষের এজলাসে ইডি-র আইনজীবী ফিরোজ এডলজির বক্তব্য, "আজ উনি (মানিক) কাঁদছেন, কিন্তু ওর পরিকল্পিত কেলেকারির জন্যে বহু মানুষের ক্ষতি হয়েছে এবং রাজ্যের শিক্ষা ব্যবস্থা ২০ বছর পিছিয়ে গিয়েছে। ক্যানসারের মতো শিক্ষা ব্যবস্থাকে জর্জরিত করেছে এই কেলেকারি।" আদালতে এর আগে দিন নিজেই হয়ে সওয়াল করতে গিয়ে কৈদে ফেলেছিলেন প্রাথমিক শিক্ষক নিয়োগ দুর্নীতির মামলায় ধৃত প্রাথমিক শিক্ষা পথসের প্রাক্তন সভাপতি তথা তৃণমূল বিধায়ক মানিক।

ফিরোজ এ দিন দাবি করেন, 'উত্তরবঙ্গ এডুকেশনাল সোসাইটি

ও ট্রাস্ট' নামে একটি হোয়াটসঅ্যাপ গ্রুপের মাধ্যমে প্রতি কলেজ থেকে ৫০০০০ টাকা আদায় করা হয়েছিল পরিকাঠামো উন্নয়ন খাতে। ছাত্রদের প্রশিক্ষণ দেওয়ার নামে মাথাপিছু ৫০০০ টাকা করে নেওয়া হয়েছিল। এই ভাবে ২ কোটি ৬৪ লক্ষ টাকা নেওয়া হয়েছিল। এ ছাড়াও, মৃত্যুঞ্জয় চট্টোপাধ্যায় নামে এক মৃত ব্যক্তির (২০১৬ সালে মারা যান) ব্যাঙ্ক অ্যাকাউন্টে লেনদেন করা হয়েছিল। ২০১৯ সালে এই অ্যাকাউন্টে মানিকের স্ত্রীর কেওয়াইসি জমা দেন। মানিক পাল্টা দাবি করেন, তাঁর বিরুদ্ধে সব অভিযোগ সাজানো ও মিথ্যা। মৃত্যুঞ্জয়ের চট্টোপাধ্যায়ের সঙ্গে তাঁর (মানিকের) স্ত্রীর যৌথ অ্যাকাউন্ট ছিল। এ দিন বিচারপতি ঘোষ জানান, ২৩ অগস্ট মামলার পরবর্তী শুনানি। তার আগে আজ, মানিক ইডি বিশেষ আদালতে নিজের আইনজীবীর সঙ্গে মামলার বিষয়ে কথা বলতে পারবেন।

## রেশন দুর্নীতিতে দ্রুত তদন্তের নির্দেশ

নিজস্ব সংবাদদাতা

রেশন বন্টন দুর্নীতির মামলায় ইডি-র তদন্তের গতি নিয়ে ফের প্রশ্ন তুললেন বিচারক। সোমবার রেশন দুর্নীতির মামলায় আনিসুর রহমান ও আলিফ নুরকে ইডি হেফাজত থেকে বিচার ভবনের সিবিআই বিশেষ আদালতে পেশ করা হয়। দু'পক্ষের সওয়াল জবাবের পরে বিচারক দুই অভিযুক্তের ১৬ অগস্ট পর্যন্ত পুলিশি হেফাজতের নির্দেশ দেন বলে আদালত সূত্রে খবর।

অভিযুক্তদের আইনজীবী অনিবার্ণ গুহাচকুরতা বলেন, "তদন্তকারী সংস্থা এজিয়ার বহির্ভূত ভাবে তদন্ত করছে। আনিসুর ও আলিফের দুর্নীতির সঙ্গে কোনও যোগ নেই। ওই দু'জনের রেশন বন্টন ও চালকলের ব্যবসা রয়েছে।" দুই অভিযুক্তের চার দিনের পুলিশি হেফাজতের আজি জানিয়ে ইডি-র আইনজীবী বলেন, "তদন্তে অগ্রগতি হয়েছে। দুই অভিযুক্তের হৃদিস প্রায় ৪০০টি ব্যাঙ্ক অ্যাকাউন্টের হৃদিস মিলেছে। ওই সব ব্যাঙ্ক অ্যাকাউন্টের তথ্য যাচাই করা হচ্ছে। সেই জন্যে অভিযুক্তদের হেফাজতে নিয়ে

জিজ্ঞাসাবাদের প্রয়োজন রয়েছে। অভিযুক্তদের কাছ থেকে এখনও পর্যন্ত ১৬টি বয়ান লিপিবদ্ধ করা হয়েছে।" অভিযুক্তদের আইনজীবীর যুক্তি, "জোর করে বয়ান লিপিবদ্ধ করানো হচ্ছে। ভোর ৩টের সময় ঘুম থেকে তুলে বয়ান লেখানো হচ্ছে।" এর পরেই বিচারক প্রশান্ত মুখোপাধ্যায় ইডি-র আইনজীবীদের প্রশ্ন করেন, "সুনির্দিষ্ট তথ্যপ্রমাণ কী রয়েছে আপনাদের কাছে? দ্রুত তদন্তের প্রয়োজন রয়েছে। না-হলে এক-একটি মামলা ১০০ বছর ধরে চলবে। দ্রুত তদন্ত করুন। তা হলেই তাড়াতাড়ি বিচার প্রক্রিয়া শুরু করা যাবে।"

ইডি সূত্রে দাবি, আনিসুর ও আলিফের রেশন বন্টন এবং চালকলের সূত্রে ৪০০টির কাছাকাছি ব্যাঙ্ক অ্যাকাউন্টের হৃদিস মিলেছে। তার মাধ্যমে রেশন বন্টন এবং চালির কাছ থেকে রাজ্য সরকারের ধান কেনার সহায়ক মূল্যের টাকা বেআইনি লেনদেনের তথ্য মিলেছে। প্রভাবশালী যোগ ছাড়াও, প্রায় ৪০০০ কুইন্টাল রেশন সামগ্রী দুর্নীতির তথ্য পাওয়া গিয়েছে। তা যাচাই করা হচ্ছে।"



হলদিয়া পেট্রোকিমিক্যালস লিমিটেড

রেজিস্টার্ড অফিস: বেলুর হাউস ইন্ডাস্ট্রিয়েল পার্ক, চাঁদপুর-১  
৩৮ তল, পুক-ই এম, খতি-৫, দলি লোক সিটি, সেতুর-৫  
কলকাতা-৭০০ ৩৯১

### জনসূচনা

এতদ্বারা জনসাধারণকে অবগত করা হচ্ছে যে, ভারত সরকারের পরিবেশ, বন এবং জলবায়ু মন্ত্রক (MoEF&CC) হলদিয়া পেট্রোকিমিক্যালস লিমিটেড-কে মন্ত্রকের ফাইল নং J-11011/194/2018-IA-II(I) এবং ৮ই আগস্ট, ২০২৪ তারিখের চিঠির মাধ্যমে তহসিল সূতাহাট-১, হলদিয়া, জেলার পূর্ব মেদিনীপুর, পশ্চিমবঙ্গের অবস্থিত সংস্থার গ্র্যাট ফেলিসিটিতে ওলেনিন কনভার্সন ইউনিট (OCU) সহ প্রিলিং, ফেনল এবং অ্যাসিটোন-এর ক্ষমতা সম্প্রদারণের (২০% এর মধ্যে) জন্য পরিবেশগত ছাড়পত্র দিয়েছে।

উক্ত ছাড়পত্রটির প্রতিলিপি পশ্চিমবঙ্গ রাজ্য দূষণ নিয়ন্ত্রণ পর্ষদ/কমিটির নিকট উপলব্ধ করা আছে। এছাড়াও পরিবেশ, বন এবং জলবায়ু মন্ত্রক-এর ওয়েবসাইট এবং <https://parivesh.nic.in/> এ এটি সন্ধান করা যাবে।

তারিখ : ১২ই আগস্ট, ২০২৪

স্থান : কলকাতা

হলদিয়া পেট্রোকিমিক্যালস লিমিটেড-এর পক্ষে,

সঞ্জয় ভাদিসগর

এক্সিকিউটিভ ভাইস প্রেসিডেন্ট এবং হেড - গ্র্যাট



হিন্দুস্তান পেট্রোলিয়াম কর্পোরেশন লিমিটেড

(একটি বহরত্ব কোম্পানি)

### এইচপি লুব ডিস্ট্রিবিউটরের নিয়োগ

একাত্তিক স্টাল চালেব অংশীদার হিসাবে নিয়োগের জন্য যোগ্য প্রার্থীদের কাছ থেকে আবেদনের আমন্ত্রণ জানানো হয়েছে।

1. ইন্টারন্যাশনাল লুব ডিস্ট্রিবিউটর (আইএলডি)
  2. বাজার লুব ডিস্ট্রিবিউটর (বিএলডি) / গ্রামীন বিএলডি
- বিজ্ঞাপন এবং আবেদন গ্রহণের সম্পর্কে বিজ্ঞপ্তি তথ্যের জন্য, দয়া করে আমাদের ওয়েবসাইটটি দেখুন: <https://www.hplubricants.in> নিম্নলিখিত পথের মাধ্যমে: Lube Distributor >> Become a Distributor
- বিজ্ঞাপন সম্পর্কিত বিষয়ের জন্য ওয়েবসাইটে আপলোড করা তথ্যসহ / নির্বাচন নির্দেশিকাগুলি উল্লেখ করা উচিত। কোনো আবেদন ফি নেই। আবেদনপত্র এবং সকল ক্ষেত্রে সম্পাদিত সকল নথি / সংযুক্তি তারিখ: 12 সেপ্টেম্বর 2024 (আবেদন জমা দেওয়ার শেষ তারিখ) 23:59 ঘটর মধ্যে অনলাইনে জমা দিতে হবে।

যে কোন সংযোগন / সংযোগী ওয়েবসাইটে পোস্ট করা হবে।



# Residents want fences at earliest following infiltration bid by Bangladeshis fear prompts land takeover nod

Residents near the unfenced border in an attempt to cross over to India. The Bangladeshis, mostly Hindus, wanted asylum in India following the alleged religious persecution in their country after the downfall of the Sheikh Hasina government.

"I have handed over the NOC to the administration. Considering the present state of affairs in Bangladesh, we are apprehensive that people might infiltrate into our villages and want the admin-



An unfenced stretch of the international border at Naljowapara in the Jalpaiguri Sadar block. Picture by Biplob Basak

istration to acquire our land and let the BSF install the fences at the earliest," said Malinchandra Roy, a resident

of Naljowapara.

Naljowapara and other villages in the South Berubari panchayat share a border with Bangladesh for a 16km stretch. The boundary is unfenced and marked by pillars. The villages are in the Sadar block of Jalpaiguri district.

Sources in the administration said around 45 families had handed over the NOCs in the past few days. "This will expedite the installation of fences and the construction of a road along a 3km-long

stretch of the border," said an official.

Saradprasad Das, a former chief of South Berubari panchayat, said families of villages like Naljowapara, Chawshpara and Bhujaripara had handed over the NOCs.

However, the panchayat has four other villages where land documents have not been updated after the boundary agreement was signed between India and Bangladesh in 2015. These villages share 13km of the inter-

national border.

"Unless the land documents are updated, the acquisition process cannot be initiated," said Das.

"After Bangladeshis gathered near the border for shelter, we have been worried. We have handed over the NOC so that fences are put up at least near our villages. We also requested the administration to increase the compensation which is ₹1.5 lakh per bigha now," said Mozammel Haque, also from Naljowapara.



**Haldia Petrochemicals Limited**  
Registered Office: Bengal Eco Intelligent Park, Tower-1  
3rd Floor, Block-EM, Plot 3, Salt Lake City, Sector-V  
Kolkata-700 091

## PUBLIC NOTIFICATION

It is hereby notified that the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India, has accorded Environmental Clearance to Haldia Petrochemicals Limited for Expansion in Propylene, Phenol & Acetone capacity (within 20%) along with Olefin Conversion Unit (OCU) at the existing plant facility at Tehsil Sutanuhata-I, Haldia, Dist: East Medinipur, West Bengal vide MoEF&CC's File No: J-11011/194/2015-IA-III(I) and letter dated 8th August, 2024.

The copies of the Clearance Letter are available with the State Pollution Control Board / Committee and may also be seen at the Website of the Ministry and at <https://parivesh.nic.in/>.

Date: 12th August, 2024  
Place: Kolkata

For Haldia Petrochemicals Limited,  
Sanjaya Bhatnagar  
Executive Vice President and Head - Plant

## ADVT

## DEAR WEEKLY LOTTERY ₹1 CRORE WON BY MUMBAI RESIDENT



Smt. NAINADEVI DEVICHAND MEHTA from MUMBAI, MAHARASHTRA has won Rs. 1 Crore as first prize in the Dear Weekly Lottery in the

draw held on 16.06.2024. Her winning ticket number is 89B 09555. She has submitted her prize-winning ticket along with the prize claim form to Nagaland State Lotteries. "It was delightful moment for me and to my family members when we hear the good news of winning One Crore rupees of prize money from Dear Lottery. Being a senior citizen, money helps in many ways to lead our life in a better way. I extend my heartfelt thanks to Dear Lottery for this great opportunity", said the winner.



**SIP abacus**® presents  
**success assured**

For Class 1 to 7

**Make your Child Sharper & Smarter with SIP ABACUS**

**Sharper Concentration**

**Sharper Memory**

**Sharper Arithmetic Ability**

**SIP ABACUS =  
MATHS +  
CONCENTRATION +  
BETTER LEARNING**

**Enroll for  
FREE Trial  
Class**

**1 Million students trained  
since 2003**

**900 centres | 11 countries**

**[www.sipabacus.com](http://www.sipabacus.com)**

**For more details, Call: SIP Abacus West Bengal: 9874246429 / 9073026148 / 9038300245 / 7980512718  
North Bengal : 8335936426, South Bengal : 6289090467**



In association with  
**TTLIS**  
The Telegraph in Schools





## Government of West Bengal

This document having UDIN **24-G-GA000004-C-1725961805082** has been created by **WEST BENGAL POLLUTION CONTROL BOARD** with authorised person's Aadhaar no XXXXXXXX7589 on **03:20PM, September 10, 2024.**

This document is available at UDIN platform till 03:20PM, September 10, 2029.



*Gibansu Mukherjee*

Authorised Signatory  
(E-signed)  
Department of IT&E

The document is downloaded from <https://udin.wb.gov.in/>



## WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan, 10A, Block LA, Sector III  
Salt Lake City, Bidhan Nagar, Kolkata – 700 106, INDIA  
Website : www.wbpcb.gov.in, e-mail : wbpcbnet@wbpcb.gov.in

Validity Period :10/09/2024 To 31/08/2031

Category: RED

Application Type: CTE

CTE No.: WBPCB/5654443/2024

Date: 10/09/2024

Sub : Consent to Establish (CTE) under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended.

Ref.: Application No. 5654443

To,

M/s Haldia Petrochemicals Limited

Bengal Eco Intelligent Park, Tower-1, Block-EM, Plot No. 3, Salt Lake City, Sector-V

The West Bengal Pollution Control Board (hereinafter referred to as the State Board) hereby grants Consent to Establish (CTE) from environmental point under Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended and rules and orders made thereunder for proposed expan unit of **Haldia Petrochemicals Limited** at **HPL Link Road, P.O.&P.S. Durgachak, Dist. Purba Medinipur, Pin-721602** for the following activities :

Sl.No.	Name of Activity, Product and/or By-Product	Production Capacity
1	BPSTG (01 No.)	25 Megawatt
2	Phenol	40000 Metric Tonnes/Year
3	Propylene (Intermediate Product) from OCU of capacity 117 KTA	75000 Metric Tonnes/Year
4	Acetone	24000 Metric Tonnes/Year

Total cost of the Project (in Lakhs)

60000.0

### (A) General Conditions :

- (1) The quality of sewage and industrial effluent to be discharged from the factory shall satisfy the permissible limits as per norms and Environment (Protection) Rules 1986.
- (2) The unit shall apply to the State Board for Consent to operate according to the provisions of the Water (Prevention & Control of Pollution) Act, 1974 as amended and the Air (Prevention & Control Pollution) Act, 1981 as amended prior to commencement of activities of the unit.
- (3) The unit shall comply with the following Environmental Acts and Rules and its amendment as applicable
  - (i) The Water (Prevention and Control of Pollution) Act, 1974 .
  - (ii) The Air (Prevention and Control of Pollution) Act, 1981
  - (iii) The Environment (Protection) Act, 1986
  - (iv) The Public Liability Insurance Act, 1991
  - (v) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
  - (vi) The Ozone Depleting Substances (Regulation and Control) Rules, 2000
  - (vii) The Batteries (Management and Handling) Rules, 2022
  - (viii) The Noise Pollution (Regulation and Control) Rules, 2000
  - (ix) The Bio-medical Wastes Management Rules, 2016

"This is computer generated document from OCMMS by WBPCB"

WBPCB/5654443/2024

Page1



- (x) The Hazardous Wastes (Management and Transboundary Movement) Rules, 2016
  - (xi) The Plastic Waste Management Rules, 2016
  - (xii) The Solid Waste Management Rules, 2016
  - (xiii) The E-Waste (Management Rules), 2022
  - (xiv) The Construction and Demolition Waste Management Rules, 2016
- (4) The State Board reserves the right to review, amend, suspend, revoke etc. this consent for establishment and the same shall be binding on the unit.
- (5) The unit shall obtain permission/clearance from the other competent authorities, as applicable and such permissions may be required at the time of submitting application for Consent to operate.
- (6) The unit shall abide by the stipulations as may be prescribed by any authority / local body / government departments etc.
- (7) Suitable measures to treat the effluent and emission shall be adopted in order to reduce the pollution load so that the quality of the effluent and emission from the unit always conforms to the relevant permissible standards.
- (8) No equipment/machinery, emission and effluent generation/discharge source etc. shall be installed/modified without prior approval of the State Board.

**(B) Special Conditions:**

Please refer to annexure attached herewith.

**Any Violation of the aforesaid Conditions shall entail cancellation of this Consent to Establish**

**For and on behalf of West Bengal Pollution Control Board**



10/09/2024

**Chief Engineer  
Environment Impact Management Cell**

"This is computer generated document from OCMMS by WBPCB"

WBPCB/5654443/2024

Page2



Annexure to NOC SI no. WBPCB/5654443/2024

Special Conditions issued to **M/s. Haldia Petrochemicals Limited** at HPL Link Road, P.O+P.S – Durgachak, Dist – Purba Medinipur, Pin-721602, West Bengal.

**A) Details of products and capacity are as under: -**

Sl. No.	Product details	Unit	Production capacity
1.	Propylene	KTA	75.0
2.	Phenol	KTA	40.0
3.	Acetone	KTA	24.0
4.	Captive Power (BPSTG)	MW	25.0

**B) Emission: -**

1. RFG fired OCT reactor feed heater of OCU- to be provided with a stack of ht. 32m from GL.
2. RFG fired regeneration gas heater of OCU-to be provided with a stack of ht. 30m from GL.
3. RFG fired regenerative thermal oxidizer of CPU-to be provided with a stack of ht. 30m from GL.
4. Flare stack-to be provided with a stack of ht. 120m from GL.
5. DG set-1x2000 KVA to be provided with acoustic enclosure, silencer and stack of ht. 3m each above the building.

Stacks should have sampling port, platform, ladder as per the emission regulation part –III of CPCB. Emission standard for process stacks shall conform to the GSR no. 820(E) dated 9<sup>th</sup> November, 2012 issued by MoEF & CC.

**C) Effluent: -**

- i. The unit shall install pre-treatment plant (PTP) inside battery limits (ISBL) for phenol and acetone project. Treated waste water from pre-treatment plant will be sent to the existing waste water treatment plant for further treatment.
- ii. Total effluent generation after expansion (Process waste + Sanitary waste + Cooling Tower Blowdown + DM Neutralization Waste) will remain within existing discharge limits.

**D) Solid / Hazardous Waste: -**

- i. Solid waste to be disposed of Environment friendly manner.
- ii. Hazardous waste to be disposed off as per the provisions of Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016 as amended.

**E) Specific Conditions: -**

- i. The company shall comply with all the environmental protection measures and safeguards. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- ii. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- iii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.
- iv. 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.
- v. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.



Annexure to NOC SI no. WBPCB/5654443/2024

Special Conditions issued to **M/s. Haldia Petrochemicals Limited** at HPL Link Road, P.O+P.S – Durgachak, Dist – Purba Medinipur, Pin-721602, West Bengal.

- vi. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.
- vii. 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.
- viii. The greenbelt of 5-10 m width in total area of 117.39 i.e., 26% of the total plant area shall be developed and maintained the plant premises. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- ix. Industry shall comply with undertaking submitted for reusing 10 % of treated process effluent by mid-2025; to reuse and recycle 50% treated effluent by December 2026 and to adhere action plan submitted for achieving ZLD by 2030.
- x. Oil catchers/oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.

F) **General:** -

1. Noise Control – Ambient noise level and D.G. Set noise level should not exceed the permissible limits. Every care to be taken for noise control.
2. The unit should obtain 'Consent-to-Operate' from this Board before starting manufacturing process activities.
3. Adequate control measures shall be taken to control fugitive dust emission from all vulnerable sources within the plant premises.
4. The project proponent should take all possible measures to avoid any kind of nuisance during transportation of raw materials and products to and from the premises. All kinds of transportation should be carried out in covered vehicles and should not cause public discomfort.
5. No additional machineries / equipment can be installed without prior permission from this Board. No change in raw materials, products, production capacity and manufacturing process shall be made without prior permission from this Board.
6. Regular VOC monitoring shall be done at vulnerable points. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.
7. All conditions as imposed by MoEF & CC, GoI through their Environmental Clearance issued vide EC Identification No. EC24A2101WB5692081N File no. J-11011/194/2016-IA-II(I) dated 08/08/2024 shall be strictly complied with.

Sd/-

**Chief Engineer (EIM Cell)**

**West Bengal Pollution Control Board**

