

MINUTES OF THE 180TH MEETING OF PUDUCHERRY POLLUTION CONTROL COMMITTEE HELD ON 09.12.2024 AT CHIEF SECRETARIAT, PUDUCHERRY.

Agenda Item No. I - Confirmation of the Minutes of the 179th PPCC meeting held on 08.05.2024.

The Committee confirmed the minutes of the 179th PPCC meeting held on 08.05.2024.

Agenda Item No. II: Cases for consideration for Issue of Consent to Establish

Agenda Item No. 1: Issue of CTE to M/s. Indian Oil Corporation Ltd., for Additional Activity of Re-painting of LPG cylinders and Testing of LPG cylinders.

The Committee heard the proposal of the Project Agency and discussed the subject in detail. The Committee noted the following:

- (a) The unit is an existing Large Scale Red Category unit at Odiyampet, Villianur Commune Panchayat, Puducherry, seeking CTE for additional activity of Testing (121200 Nos./annum) and Re-painting (181800 Nos./annum) of LPG Cylinders. The additional activity is proposed in the existing premises itself and there is no need of additional land.
- (b) The process involves Degassing of LPG Cylinders with Water, Washing of Cylinders with Caustic Soda (Oil and other dusts / debris will be washed away with water) and then repainting. The waste water is re-circulated for washing activities. The waste water is sent to ETP once in 3 days and will be treated in ETP of 5KLD.
- (c) While degassing of LPG Cylinders with Water, the resulting waste gas shall be captured and is proposed to be flared at 1.5m from the roof level. This activity requires clearance from the PESO.
- (d) Zinc Chromate Primer and Super Synthetic Enamel Paints are proposed to be used for painting and that they contain chromium and heavy metals.
- (e) For Paint booth the unit has proposed a wet scrubber.
- (f) The project agency has submitted the Raw Effluent Analysis report from one of their unit at Thirunelveli to the Committee. The Committee opined that, the parameters analysed were only general parameters and not heavy metals, which is actually required for fixing the effluent treatment methodology and standard limits of Treated Effluents.
- (g) 0.8 TPA of Paint sludge will be generated.

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- (h) 5 KLD ETP Plant is proposed to be installed to treat trace effluents

The Committee after due deliberation decided to accord clearance incorporating following specific conditions:

- (a) Degassing process shall have suitable infrastructure for capturing waste gases and venting the same in safe and environment friendly manner. The unit shall ensure that the VOC emissions from the process is minimized to the maximum extent.
- (b) Necessary PESO clearance shall be obtained.
- (c) The unit shall engage a technical consultant at any of their plants with similar "Proposed activity" being carried out with the analysis of the Raw Effluent and Treated Effluent characteristics for the detection and quantification of Heavy Metals including Total Chromium by any NABL accredited laboratory for appropriate selection of the treatment methodology and reuse of the treated wastewater by the unit.
- (d) The unit shall provide adequate STP and ETP conforming to the standards prescribed under the Environment (Protection) Rules, 1986.
- (e) The treated water after conforming the prescribed discharge standards limits shall entirely be reused for secondary flushing and / or process suitably, thereby reducing Borewell Water intake to record the numerical balance for water sustainability.
- (f) The Paint Booth shall be provided with Dry Fabric Filter, Packed Bed Adsorption Column or similar unit at State-of-Art cutting-edge technology for capture of particulates and the wastes contaminated with paint and solvents shall be disposed off to authorized TSDF. Necessary Authorization shall be obtained from this Authority under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 as amended till date.
- (g) The unit shall submit HAZOP with MCDM Study for the whole process to this authority.

Agenda Item No. 2: Issue of CTE for Enhancement of Production of "Detergent Liquid from 30,000TPA to 72,000TPA" to M/s. Hindustan Unilever Ltd-Personal Care Division, a Large Scale, Orange Category unit.

The Committee heard the proposal of the Project Agency and discussed the subject in detail. The Committee noted the following:



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- (a) The unit is already using 206 KLD and Proposal of production enhancement requires 150 KLD, totaling to 356 KLD. Since the proposal is water intensive and requires clearance of GoP.
- (b) Possibility of using Sankarabarani river water is not possible, since the river is non-perennial.
- (c) The unit has an existing combined ETP of 80 KLD and another Combined ETP of 80 KLD is proposed for their additional wastewater treatment. The Expert Members opined that the wastewater contains inorganic residues, aromatic constituents and the proposed biological process will fail to support the treatment of the chemical wastewater.

The Committee after due deliberation decided to defer the proposal and sought the following additional details:

1. Water Usage Details:

- i) Water requirements, existing borewell details and layout, pumping rate schedules per day and per month water consumption data rate verses quantity of product manufactured during maximum demand of a typical seasonal month of a year.
- ii) Water balance for present permitted production quantity and proposed expanded production quantity, rainwater harvesting, stormwater runoff, wastewater generation and wastewater characteristics.
- iii) Separate water balance sheets for past years (2019-2024) with pumping rates and schedules operated and consumption details and to specify the sources / alternatives for sustainability of water demand.
- iv) Details of the DM water plant and its operation.

2. Wastewater Treatment:

- i) The existing and proposed ETP is observed to be inadequate for treating wastewater containing inorganic residues, aromatics and other recalcitrant compounds.
- ii) Detail adequacy report enumerating unit wise treatment efficiency of existing ETP shall be submitted.
- iii) For proposed new ETP the unit must provide details of a specific wastewater treatment process and its flowsheet that complies with treated wastewater characteristics.

The Expert Members shall inspect the unit and submit their technical views on the proposal before the next meeting.

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Agenda Item No. 3. Issue of NOC / Consent to Establish (CTE) to M/s. Mahatma Gandhi Medical College and Research Institute, Pillaiyarkuppam, Puducherry for additional construction of six storeyed Oncology Hospital Block.

The Committee heard the proposal of construction of Oncology Block, with G+5 storeyed Building of M/s. Mahatma Gandhi Medical College and Research Institute, Pillaiyarkuppam, Puducherry in their existing campus. The Committee after due deliberation decided to clear the proposal with the following conditions:

1. The unit shall comply with the conditions imposed in Environment Clearance (EC) obtained from MoEF &CC, GOI, under Environment Impact Assessment Notification, 2006.
2. The wastewater generated from the Oncology block shall be collected and treated in a separate ETP of suitable capacity.
3. The treated wastewater shall be reused to the maximum extent, specifying the utility pattern and ensure progressive reduction in intake of water from the groundwater sources.
4. The treated wastewater shall be distributed through tanker for irrigating to the sapling planted under the scheme "Green Puducherry Mission", nearer to the Institute.
5. The unit shall ensure a well-designed and adequately maintained stormwater drainage system to facilitate proper runoff during the rainy season and prevent flooding in and around the proposed unit's location.

Agenda Item No. 4: Issue of Consent to Establish / NOC to M/s. National Oxygen Limited, Thiruvandarkovil, Puducherry for manufacturing of "Medical Nitrous Oxide – 4,38,000 M.Cu.m/Annum".

The proponent made a presentation on the process and provided details on the handling of raw materials. The Committee after due deliberation decided to accord clearance for the establishment of the Medical Nitrous Oxide manufacturing plant, only after the submission of the documents with the following conditions;

- (i) The unit shall obtain necessary Petroleum & Explosives Safety Organization (PESO) licenses for transport, storage and processing of ammonium nitrate and submit the copy to the PPCC while applying for Consent to Operate.



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- (ii) The unit shall comply with provisions of the Ammonium Nitrate Rules, 2012 and obtain required licence from the competent authority and submit the copy to the PPCC while applying for Consent to Operate.
- (iii) The wastewater of 1 KLD generated shall be treated in the Waste Water Treatment Plant proposed by the unit.
- (iv) The storage of Ammonium Nitrate shall not exceed the permitted threshold quantity i.e. 30 Tonnes in the premise at any point of time.
- (v) The unit shall provide corrected details of a complete layout clearly demarcating locations of all process units, storage yards, handling points, transportation points, transfer points, delivery points, and exits.
- (vi) The unit shall provide lay out plan demarcating the unit boundaries, surrounding features (residences, buildings, vegetation, sensitive areas, essential services) and the land-use pattern of surrounding areas up to 3 km in the North-South-East-West directions.
- (vii) The unit shall provide a detailed process flow sheet with the quantification of raw material input and product recovery with conversion rate, details of melter, reactor and purification tower, liquefier and its residuals treatment to comply with the norms of NAAQS in the process flow sheet.
- (viii) The unit shall provide Material and Process mass balance sheet with the quantity of raw material storage, ie., storage of Ammonium Nitrate which shall not exceed the permitted threshold quantity i.e. 30 Tonnes in the premise at any point of time, ensuring an operational schedule that comply with the appropriate quantity of unloading of Ammonium Nitrate from tanker/ designated vehicle to the units site.
- (ix) The unit shall submit detailed HAZOP with MCDM Study for the whole process with reference to location, storage yard, handling point, process unit, transportation point, transfer point, delivery point and exit.

Agenda Item No. 5: Issue of Consent to Establish/ No Objection Certificate and Consent to Operate to M/s. Cricket Association of Pondicherry at, R.S.No: 56/5, CAP Siechem Campus, Thuthipet village, Villianur Commune, Puducherry for Establishment and Operation of CAP Cricket Campus

The Committee discussed the proposal in detail. The committee noted that Government lands are located inside the proposed site. The Committee after due deliberation decided to defer the proposal for want of NOC / clearance for usage of Government land on lease basis from Department of Revenue and Disaster Management.

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Agenda Item No. 6: Issue of CTE to M/s. Sri Thirumalai Caarbides Pvt. Ltd., R.S.No.133/5, Nallathur Main Road, Kurumbagaram, Nedungadu Commune, Karaikal, a Small Scale, Orange Category unit, for Additional Activity of manufacturing Ferro Alloys – 2.5 TPD, in the existing submerged arc furnace, with associated Power Enhancement from 500 KVA to 1500 KVA (operating power and alteration of APCS), Water Enhancement from 0.5 KLD to 1.5 KLD.

The Committee discussed the proposal in detail in light of the prevailing Government policies and orders. Key policy decisions considered include:

- **44th PPCC Meeting (26.10.1999):** It was decided not to approve pollution-prone industries such as MS Ingots, Chlorates, Ferro Alloys, and Calcium Carbide.
- **Budget Speech, March 2003:** The Hon'ble Chief Minister announced that power-intensive, water-intensive, and polluting industries would not be encouraged in Puducherry to safeguard environmental resources.
- **Letter from Hon'ble Chief Minister (19.05.2003):** It emphasized that industries consuming significant water or power, or those categorized as chemical industries, should not be permitted to protect Puducherry's environment, land, and water resources.

The Committee recognized advancements in environmental technology that could address pollution reduction in the present proposal. The committee also noted the lack of High Power Committee recommendations, a procedural necessity.

After due deliberations the committee decided to defer the proposal and suggested convening a meeting at the level of Director - Industries, Director, DSTE, Member Secretary - PPCC, Puducherry Ground Water Authority and Electricity Department to revisit the existing policies, clarify the procedural guidelines for PPCC to take up such proposals and define "water-intensive", "power-intensive" and "chemical industries" in alignment with Ease of Doing Business principles to ensure updated and practical policy implementation.

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Agenda Item No. 7 : Issue of CTE to M/s. Karaikal Port Pvt., Ltd., Keezhavanjore Village, T.R.Pattinam, Karaikal, Large Scale, Red Category unit, for enhancement of cargo handling capacity of from 17.5 MMTPA to 21.5 MMTPA as permitted in the Environmental Clearance granted by MoEF&CC.

The Committee heard the proposal. Karaikal Port has submitted the following proposal of enhancement of cargo handling capacity of from 17.5 MMTPA to 21.5 MMTPA, without any enhancement of Power, Water or Investment.

Type of Cargo	Permitted quantity by MoEFC	Consented Quantity by PPCC	Proposed addition / deletion Quantity	Total Quantity	Remarks
	MMTPA	MMTPA	MMTPA	MMTPA	
Coal	18	10	2.5	12.5	As per EC and CRZ Clearance issued by MoEFCC dated 22.09.2009 read with amendment dated 05.08.2021 total capacity of Dry Bulk and Break Bulk / General Cargo is 18.0 MMTPA. Accordingly the port proposes to enhance coal handling capacity from 10 to 12.5 and Cement from 0.5 to 1 MMTPA and Break Bulk Cargo from 3.5 to 4.5 MMTPA to achieve maximum permitted capacity.
Cement in Bulk		0.5	0.5	1	
Sand		1	-1	0	
Break Bulk Cargo		3.5	1	4.5	
Edible Oil	2.5	0.5	2	2.5	As per EC and CRZ Clearance issued by MoEFCC dated 22.09.2009
					read with amendment dated 05.08.2021 total capacity of Liquid Cargo (Edible Oil) is
					EC & CRZ Clearance dated 6.11.2018 issued by MoEFCC to M/s. KPPL for
Crude & Petroleum	1.0	1	0	1	Separate EC & CRZ Clearance dated 25.10.2010 issued for 1.0 MMTPA of
Total	21.5	17.5	4	21.5	

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The committee noted that, in the Environmental and CRZ Clearances issued by MoEF&CC, permission has been accorded for handling 21.5 MMTPA of Cargoes and that PPCC has restricted the cargo handling capacity to 17.5 MMTPA. The port has now requested CTE to handle the entire permitted capacity of 21.5 MMTPA.

The Committee also noted that based on instructions of District Collector, Nagapattinam TNPCB constituted a Joint Committee comprising of the RD, CPCB, Chennai, the DEE, TNPCB, Nagapattinam and the JE, DSTE/PPCC to investigate the complaints of Nagore people on Coal dust emission from Karaikal Port. Based on Joint Committee inspection and recommendations, a direction was issued on 30.09.2024 to the Port by PPCC for improving the air pollution control measures and for control of coal spillages along the railway tracks during transportation. The Port representatives presented the compliance status to the above direction and measures taken to control coal dust emission.

The Committee after due deliberation decided to accord approval for enhancement of Cement (Dry Bulk Cargo) from 0.5 to 1 MMTPA, Break Bulk Cargo from 3.5 to 4.5 MMTPA and Edible Oil from 0.5 to 2.5 MMTPA. Total Cargo Handling Capacity after enhancement would be 19 MMTPA.

The Committee decided to defer the proposal for enhancement of coal handling capacity from 10 to 12.5 MMTPA and suggested that the views of District Collector, Nagapattinam shall be obtained on the current status of the complaints from Nagore residents. The PPCC Expert Members shall visit the industry to assess the compliance status at the earliest, before taking a decision in this regard.

Agenda Item No.8 : Issue of CTE to M/s. Re Sustainability IWM Solutions Limited, a Large Scale, Red Category unit, for setting up of an Integrated Common Hazardous Waste Treatment, Storage Disposal and Recycling Facility at PIPDIC Industrial Growth Centre, Polagam, T. R. Pattinam Commune, Karaikal.

The Committee heard the proposal of the project agency and discussed the subject in detail. The Committee noted that the project agency has obtained Environmental Clearance (EC) for establishment of 13 Nos. of facilities, at the above said location but presently proposed for establishment of 3 Nos. of facilities only, viz., Secured Landfill (DLF – Direct Landfill), Treatment and Stabilization (Landfill after Treatment) and Alternative Fuel and Raw Material (AFRF), at the first phase. The Regional Director of CPCB stated that TSDF are essential for all the States and UTs.

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The Committee informed that no hazardous waste shall be allowed to the facility from other States. Since it is first of its kind for the U.T of Puducherry, this proposal will be submitted to the Chief Minister-cum-Environment Minister for his approval.

The Committee after due deliberation decided to inspect similar facility in Tamilnadu by the Expert Members of the Committee and give their views about the proposal.

The PPCC Expert Members, as directed by PPCC, visited one of the similar site, in Gummidipoondi Tamilnadu on 16-12-2024 and deliberated for on-site clarifications that would possibly evolve similar such compatibility in attaining the compliance for the proposed site with the Red Category unit implementation. The Expert Members informed that the details submitted by the proponent did not meet the requirements on the crucial clarification sought and the decision on this proposal is postponed and requires time for ascertaining the compatibility and may be considered in the forth coming PPCC meeting.

Agenda Item No. 9: Issue of CTE to Mahathi Multi Specialty Hospital, R.S.No.75/3, Prabhu Nagar, Kamarajar Salai, Karaikal Municipality, Karaikal for enhancement from 25 Beds to 100 Beds.

The Committee heard the proposal of the Project Agency. The project proponent proposed to enhance the total bed capacity from 25 to 100 beds without any expansion of Hospital Building. The committee noted that the present Hospital Building does not have adequate space for accommodating 100 Beds as proposed by the project proponent. Hence, the Committee after due deliberation decided to reject the project proposal.

Agenda Item No.10: Issue of Consent To Establish (Expansion) to M/s. Appasamy Associates Pvt Ltd at R.S.No.112, Puducherry-Villupuram Road, Thiruvandarkoil, Mannadipet Commune, Puducherry

The Committee had details discussion on the proposals for the establishment of Biopharmaceutical Drug Based Eye Drops manufacturing and enhancement of production of CNC machined components and enhancement of water requirement for agriculture / gardening purposes. The committee observed that the E-coli used in process is genetically engineered microorganism covered under Risk Group – 1 and exempted from obtaining clearance under Manufacture, Use, Import, Export and Storage of Hazardous Microorganism or Cells, Rules 1989. The Committee after due deliberation decided to accord clearance / Consent to Establish incorporating following conditions:

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A. Biopharmaceutical drug manufacturing and formulation (eye drops):

- i. The unit shall obtain license from the Department of Drug Control, Puducherry and Central Drugs Standard Control Organization, Directorate General of Health Services, Ministry of Health and Family Welfare, Govt. of India for the proposed manufacturing activity.
- ii. Air emissions generated from 600 kg/hr boiler diesel fired is let out through stack height of 12 m from ground level.
- iii. Sewage generated from plant shall be treated in existing STP of 75 KLD capacity.
- iv. Vessel wash water from Bio-pharmaceutical plant shall be treated in ETP of 3 KLD capacity and shall be discharged on land within premises after complying to the land discharge standards prescribed under the Environment (Protection) Rules, 1986.
- v. ETP sludge generated shall be disposed to authorized agencies after obtaining necessary Hazardous Waste Authorization from PPCC.
- vi. The unit shall appoint Environmental officer with prescribed qualification to comply with all environmental laws and legislation.
- vii. The unit shall dispose the microbiological waste as per the provisions of Bio-Medical Waste Management Rules, 2016.
- viii. The unit shall obtain Authorization under Bio-Medical Waste Management Rules, 2016 for storage, handling and disposal of microbiological waste.

B. Enhancement of production of CNC machined components (enhancement of Optic components - from 4, 20,000 Nos/Annum to 5,00,000 Nos/Annum and additional product - CNC Machined components – 20 Lakh Nos/Annum) and water requirement for agriculture / gardening:

- i. The unit shall install separate flow meters and maintain log books for usage of water in the plant for different sections of plant Machining area, domestic and Biopharmaceutical plant.
- ii. The unit shall carry out water recycling / reuse measures like usage of RO reject water for domestic and toilet flushing.
- iii. The unit shall provide provision for utility and proper drainage arrangements for treated wastewater during monsoon season/floods
- iv. The unit shall possess valid Registration certificate from Puducherry Ground Water Authority for extraction of 650 KLD ground water.
- v. Solar power as Green drive is to be replaced for possible utilities and units.

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- vi. The additional quantity of hazardous waste generated from existing Optical components manufacturing plant like Used oil, Spent oil, Process waste residues, Waste or residue containing oil, Empty barrels/contaminated bags /liners and other cleaning materials shall be disposed to authorised agencies.
- vii. The unit shall store Hazardous waste i.e, ETP sludge in HDPE drums, kept under covered roof arrangement and dispose it to authorised actual user of Hazardous Waste / authorised disposal facility, possessing valid agreement with the industry.
- viii. The unit shall obtain amendment in authorization under Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.

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ANNEXURE

Sl. No	Name & Designation of member <u>Tvl.</u>		
1.	P. Jawahar, I.A.S. Secretary to Government Science, Technology & Environment	--	Chairman
2.	Yasam Lakshmi Narayana Reddy Director Dept. of Science, Technology & Environment	--	Member
3.	P.T. Rudra Goud Director Department of Industries & Commerce	--	Member
4.	A.S. Sivakumar Transport Commissioner Transport Department Puducherry	--	Member
5.	H.D. Varalaxmi Regional Director Central Pollution Control Board (Representing Member Secretary)	--	Member
6.	Dr. V. Ravichandran Director Health and Family Welfare Services Puducherry	--	Member
7.	A. Sureshraj Commissioner Oulgaret Municipality Puducherry	--	Member
8.	P.T. Rudra Goud Managing Director PIPDIC	--	Member

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| 9. | A. Srinivasan
Member Secretary
Puducherry Ground Water Authority
Puducherry. | -- | Member |
| 10. | Dr. M. P. Ramanujam
Consultant
Puducherry | -- | Expert Member |
| 11. | Dr. R. Saravanane
Professor & Director (IPR),
Department of Civil Engineering,
Puducherry Technological University | -- | Member |
| 12. | R.B. Gnanavelou
Inspector of Factories and Boilers
Gandhi Nagar, Puducherry. | -- | Special Invitee |
| 13. | Dr. N. Ramesh
Senior Environmental Engineer
Department of Science, Technology & Environment | -- | Member Secretary |

N. Ramesh