

## ANNEXURE I

Questionnaire put by the investigator to the Chairman, Pollution Control Board,  
Assam



### Pollution Control Board, Assam

(Department of Environment & Forests :: Government of Assam)

অসম প্রদূষণ নিয়ন্ত্ৰণ পৰিষদ

(অসম চৰকাৰৰ বন আৰু পৰিৱেশ বিভাগ)

No. WB/OTWA/HW-98/Pt-I/08-09/367  
To, 2003  
Mrs. Bijeta Chetry,  
Research Scholar, Dept. of Juridical Studies,  
MSSV, Ghy Campus

Dated Guwahati, the 17<sup>th</sup> Dec' 2018

Subject: Response to the Questionnaire

Reference: your letter No. nil dtd 28/11/18

Madam

With reference to the above, please find enclosed herewith the answers of your questionnaires regarding the role of pollution Control Board, Assam in implementation of the Hazardous and other( management and transboundary movement) Rules, 2016 and copies of the documents requested by you.

Encl: As stated.

Yours faithfully,

Member Secretary

Memo No. WB/OTWA/HW-98/Pt-I/08-09/369A  
Copy to:

Dated Guwahati, the 17<sup>th</sup> Dec' 2018

1. P. A. to the Chairman, Pollution Control Board, Assam for kind appraisal of Hon'ble Chairman.

Member Secretary

Questionnaires put by the investigator to Pollution Control Board, Assam,  
Bamunimaidam, Guwahati-21



1. Whether the Pollution Control Board of Assam has inspected the site of Hazardous Wastes Management for ensuring technical capabilities and possession of appropriate facility before granting authorisation certificate?

**Ans: Since the notification of the Hazardous and other wastes (management & transboundary movement) Rules, 2016 all the sites of hazardous waste generation are inspected prior to granting authorization.**

2. Whether the Pollution Control Board of Assam has inspected the site of Hazardous Wastes Management before renewal of authorisation?

**Ans: Since the notification of the Hazardous and other wastes (management & transboundary movement) Rules, 2016 all the sites of hazardous waste generation are inspected before renewal of authorization**

3. Whether the Pollution Control Board of Assam has ever suspended or cancelled authorisation certificate of Hazardous Wastes generating industry? What is the reason for such suspension or cancellation?

**Ans: No**

4. Whether the Pollution Control Board of Assam has prepared the annual inventory of the wastes generated; wastes recycle, recovered, utilized including co-processing; wastes re-exported and wastes disposed and submit to the Central Pollution Control Board every two years?

**Ans: Yes, the annual inventory is submitted to CPCB every year.**

5. Whether Pollution Control Board of Assam board is monitoring of compliance of various provisions and conditions of permission including conditions of permission for issued by Ministry of Environment, Forest and Climate Change for exports and imports?

**Ans: Yes**



6. Whether the Pollution Control Board of Assam has implemented the guidelines and standard operating procedures for recycling, utilization, pre-processing, co-processing of hazardous and other wastes to prevent or reduce or minimize the generation of hazardous and other wastes?

Ans: Yes, the guidelines and standard operating procedures for specific utilization, recycling etc are implemented if the same has been provided by CPCB or MoEF&CC.

7. Whether the Pollution Control Board of Assam has taken action against the occupier, importer or exporter and operator of the disposal facility for violation of Hazardous Wastes (Management and Handling) Rules 1989 and its subsequent amendments?

Ans: Yes, showcause notice was issued due to the violations found.

8. Whether the Pollution Control Board of Assam have exercise its all or any other function assigned by Ministry of Environment, Forest and Climate Change, State Government and Central Pollution Control Board pertaining to the Hazardous Wastes Management Rules from time to time?

Ans: Yes, PCBA exercises all its duties assigned by the central and State govt. in accordance with the relevant Acts and Rules.

9. What is the number of hazardous wastes generating industries in Assam at present?

Ans: 91

10. What is the quantity of hazardous wastes generated in Assam at present?

Ans: 50,576.5 MT (for the year 2017-18)

11. What do you think about the impact of Hazardous waste on the environment?

Ans: Improper management of hazardous wastes may directly lead to Air, Water and soil pollution. Hazardous substances may contaminate ground and surface water or may even be introduced into food supply thereby posing major human health risk. In the long term some hazardous may even cause mutation of animals and plants, cancer and other diseases and destruction of natural resources.

12. Does the Unit/occupier of a facility have submitted Environmental Impact Assessment report to the State Pollution Control Board periodically?

Ans: No. submission of Environmental Impact Assessment report is required only for establishment of common hazardous waste treatment, storage and disposal facility. Currently there are no such facilities in Assam.

13. Does the occupier file annual returns to State Pollution Control Board of Assam timely?

Ans: Most of the occupier file annual returns to PCBA on time

14. Do you think that the procedure and guidelines or existing mechanisms are sufficient for proper management, handling and disposal of Hazardous Wastes?

Ans: The state of Assam does not generate a large quantity or variations of Hazardous waste in comparison to more developed states of India. The procedure and guidelines as per the relevant Acts and Rules seems to be adequate

15. What problems do you faced in complying with the Hazardous Wastes (Management and Handling) Rules 1989 and its subsequent amendments?

Ans: The main challenges faced during implementation of the guidelines are lack of TSDFs in the state, informal sector involved in handling of wastes and lack of public awareness.



Member Secretary  
Pollution Control Board, Assam



## ANNEXURE II

Copy of annual inventory on Hazardous Waste Management for the year 2017-18

furnished by the Pollution Control Board, Assam

**Format-A for Submission of Annual Inventory on Hazardous Waste Management by Occupiers**  
 Name of SPCEB/PCC: Pollution Control Board, Assam  
 Year: 2017-18

A1 Details on Hazardous Waste Generation

Sl. No.	Name of District	Name of HW Generating Industry	Quantity of Hazardous Waste as per authorization (MT/A)	Quantity of Hazardous Waste as per Annual Return (MT/A)	Quantity Disposed in Captive SLF (MT)	Quantity Disposed through common SLF at TSDF (MT)	Quantity Disposed by captive incinerator (MT)	Quantity Disposed through common incinerator at TSDF (MT)	Quantity Co-processed in cement Kiln (MT)	Quantity Utilized under Rules (MT)	Quantity sent to Recycler/Utilizer of Solid-Hazardous Waste (MT)	Captive Utilization (MT)	Quantity of HW stored at Occupier premises at the end of the year (MT)
1	Kamrup	51		4692.7	285.5						1939.8	1939.8	693.4
2	Dispur	7		9150	9094						56		1100.5
3	Tinsukia	7		3242.68	600						1207	0.18	16426.6
4	Scottpur	2		nil									nil
5	Darrang	3		0.5739			0.13						0.442
6	Cachar	2		0.05									0.05
7	Karimganj	2		1.4									4.8
8	Hailakandi	1		nil									4
9	Dima Hasao	2		1.275									30.275
10	Karbi Anglong	1		13							13		nil
11	Goalpara	1		656.39	5.39						251.04		400
12	Chirang	1		31279.4								30593.8	8508
13	Bongaigaon	1		nil									nil
14	Goalpara	2		9.433							9.807		0.476
15	Hojai	2		36							96		...
16	Morigaon	1		5.01									5.01
17	Nalbari	1		...									...
18	Sivasagar	2		1481.6							13.94		...
19	Jorhat	2		2.05								2.05	...

### ANNEXURE III

Copy of annual inventory on Recycling/Utilization/Co-Processing of Hazardous Waste  
for the year 2017-18 furnished by Pollution Control Board, Assam

#### Format-B for Submission of Annual Inventory on Recycling/Utilization/Co-Processing of Hazardous Waste

Name of SPCB/PCC: Pollution Control Board, Assam

Year: 2017-18


Sl. No.	Type of Recycling Facilities	No of Facilities authorized for recycling/ Utilization / Co-Processing of HW	Total Authorized Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)
A	Commonly Recyclable HW			
1	Brass Dross			
2	Zinc Bearing Wastes			
3	Copper Bearing Waste			
4	Spent catalyst containing nickel, cadmium, zinc, Copper, arsenic, vanadium and cobalt			
5	Lead bearing waste including battery waste	6 nos.	26100 MTA	13083.37 MTA
6	E-Waste			
7	Paint and Ink Sludge/residues			
8	Used Oil	6 nos.	27100 KLA	699.25 MTA
9	Waste Oil			
	(Add new rows for other types of wastes)			
B	Utilization of HW under Rule 9			
1	Recovery of Solvents from spent solvents			
2	Utilization of APCD Dust / Residue generated from LD Furnace/EAF/Blast furnace for production of pig iron			
3	Utilization of Spent Catalyst to recover platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver			
4	Utilization of Spent $H_2SO_4$ generated from pickling operations for manufacturing-Ferrous Sulphate			
5	Utilization of Spent Acid containing Molybdenum generated from filament industries for producing Molybdenum Trioxide by heating process			
6	Utilization of Spent HCl generated from steel rolling mills for producing Ferric Chloride			
7	Utilization of Used Anode Butt to produce Carbon Pellets and High Energy (HE) coke for use in steel furnaces/foundries			
8	Utilization of Used Anode Butt to produce Carbon Blended Coke / Electrode carbon paste/Carburizer for use in steel or ferroalloy furnaces			
9	Utilization of Pre-processed Used Anode Butt to produce Green Anodes through Anode-Baking Process for use in Aluminum Smelters			
10	Utilization of Pre-processed used Anode Butt generated to produce Carbon Electrode Paste			
11	Utilization of Coal Tar/Tarry Residue generated from coal gasifier for energy recovery in sodium silicate industry			
12	De-Contamination of contaminated drums/containers/barrels			
13	Utilization of process sludge and primary ETP sludge generated from pulp & paper industries for producing paper Board/Mill Board/Card Board			
14	Captive Utilization of Aluminum Dross generated from refining and casting house of Aluminum smelter units to recover Aluminum Metal			
15	Utilization of Aluminum Dross generated from refining and casting house of Aluminum smelter units to recover Aluminum Metal			
16	Utilization of Oil based iron sludge of Ball & Roller bearing for producing ferrous sulphate			
17	Utilization of Mercury Waste generated from various industry for recovering mercury			
18	Utilization of Spent $H_2SO_4$ generated from Dye and Dye intermediates to produce gypsum suitable for use in cement plants			
	(Add new rows for other types of wastes)			
C	Co-Processing in Cement Plants			

## ANNEXURE IV

Copy of list of Authorised Recycling/Utilization/Co-Processing of Hazardous Waste  
for the year 2017-18 furnished by Pollution Control Board, Assam

**FORMAT – C FOR SUBMISSION OF THE LIST OF AUTHORIZED RECYCLERS/UTILIZERS/  
CO-PROCESSORS OF HAZARDOUS WASTES**

Name of the SPCB: Pollution Control Board, Assam

  
Year: 2017-18

Sl. No.	Name & Address of the Unit	Name of the items as per Schedule-IV of H&OW (M&TM Rules, 2016)	Permitted Capacity (MTA/KLA)	Quantity Recycled/processed	Remarks
1	M/s. Modern Lube Industries, Barsapara Industrial Area, (Behind Bajrang Ispat Ltd.), Guwahati-34	Used Oil Waste Oil	1000 KLA 1000 KLA	140 KL	
2	M/s. Progressive Industries, Rani Industrial Area, Dist.: Kamrup, (Assam).	Used Oil Waste Oil	500 KLA 1000 KLA	85 KLA Nil	
3	M/s. East End Petro Chemicals (P) Ltd., Naoholia, Dibrugarh, (Assam).	Used Oil	600 KLA	nil	Not in operation
4	M/s. Allied Industries, P.O.: Makum Junction, Digboi, Dist.: Tinsukia, (Assam).	Waste Oil	15,000 KLA	250 MTA	
5	M/s. North East Petrochemicals, Kamarkuchi, Sonapur, Dist.: Kamrup	Waste Oil	5000 KLA		Not in operation
6	M/s Purbanchal Chemicals, Vill: Gauripur, P.O. College Nagar, Dist Kamrup, Assam	Used Oil, Waste Oil, Lead Acid, Battery Plates, Lead Scrap/Residues	1200 MTA	258MTA	
7	M/s. Royal Industries, 15 <sup>th</sup> Mile, Vill.: Burni, P.O.: Jorabat, Dist.: Kamrup, (Assam).	Lead Acid Battery Plates & Lead Scrap	900 MTA	480.11 MTA	
8	M/s. Nirman Industries, D-7, DICC Campus, Numalijalah, Amingaon, Dist.: Kamrup, (Assam).	Lead Acid Battery Plates & Lead Scrap	1200 MTA		
9	M/s. S.R. Battery Works, Murmuria Gaon, Na-Pamua, Mariani Road, Cinnamora, Jorhat, (Assam).	Lead Acid Battery Plates & Lead Scrap	2400 MTA	nil	Not in operation
10	M/s. Anubhav Industries, Industrial Growth Centre, Chaygaon, Vill.: Chattabri, P.O.: Chaygaon, Dist.: Kamrup, (Assam).	Lead Acid Battery Plates & Lead Scrap	9600 MTA	3542.5 MTA	
11	M/s. Shree sai Vamika Industries, Gauripur, Near Shiv Sai Steel, North Guwahati, Dist.: Kamrup (Assam)	Lead Acid Battery Plates & Lead Scrap	9600 MTA	6788 MTA	
12	M/s. Kamakhya Power Solutions, 15 <sup>th</sup> Mile, Vill.: Byrnihat, P.O.: Jorabat, Dist.: Kamrup (Assam).	Schedule-I (9.2), Lead ash or Particulate Matter from flue gas Schedule-III (A1170), Unsorted waste Battery	30 MTA 2400 MTA	Nil 2272.76 MTA	

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## ANNEXURE V

Copy of grant of authorisation issued by Pollution Control Board, Assam



**Pollution Control Board:: Assam**  
**Bamunimaidam; Guwahati-21**  
(An ISO 9001:2008 & BS OHSAS 18001:2007 Standard Certified Organization)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: [www.pcbassam.org](http://www.pcbassam.org)



No. WB/OTWA/HW-309/17-18/12

Dated Guwahati the 4/9 2017

### FORM - 2

[See Rule 6(2)]

#### [Grant of Authorization under the Provision of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016]

1. Number of Authorisation and date of issue : No. WB/OTWA/HW-309/17-18/12 dtd.
2. Reference of application (No. and date) : dtd. 22.08.2017
3. **M/s. Alliance India**, Near Ecotech Paper Mill, Vill.: Dinkar, P.O.: Baihata, Dist.: Kamrup (R) (Assam) is hereby granted an authorisation based on the enclosed signed inspection report for generation, collection, storage, transportation & disposal of hazardous or other wastes or both on the premises situated at Near Ecotech Paper Mill, Vill.: Dinkar, P.O.: Baihata, Dist.: Kamrup (R) (Assam).

#### DETAILS OF AUTHORISATION

Sl. No.	Category of Hazardous Waste as per the Schedules-I, II & III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity
1	Schedule-IV Sl. No. 20, Used Oil & Waste Oil	Generation, Collection, Storage, Transportation & Disposal	100 ltrs/year
2	Schedule-I Sl. No. 34.2, Sludge from treatment of waste water	Generation, Collection, Storage, Transportation & Disposal	800 kg/year

4. This authorisation shall be in force for the period of three years from the date of issue of this letter.

5. The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

#### A. GENERAL CONDITIONS OF AUTHORISATION:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time
5. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorization.
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

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Contd....p/2





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10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.

**B. SPECIFIC CONDITIONS:**

1. The unit must maintain the records of Hazardous & Other Wastes in Form-3 under provision of Rules 6(5), 13(7), 14(6), 16(5) & 20(1)
2. The unit shall provide the Transporter with the relevant information in Form-9 regarding the hazardous nature of the wastes and measures to be taken in case of an emergency
3. The unit must submit Annual Returns in Form-4 to State Pollution Control Board by 30<sup>th</sup> June of every year for the preceding period April to March.
4. The unit shall prepare 6 (six) copies of the manifest in Form-10 as per Rules-19(1) for every transit of consignment of hazardous Waste under this authorization.
5. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forests & Climate Change, GOI, New-Delhi & Central Pollution Control Board, Delhi must be complied.
6. The unit should submit an Environmental Statement for the financial year ending on 31<sup>st</sup> March, in Form-V of the Environment (Protection) Rules, 1986 before 30<sup>th</sup> September every year.
7. All Hazardous Wastes collected will be stored in a closed room and it should not be stored in open space. Information on handling of Hazardous Waste must display near the main gate of storage site.
8. The unit may store the Hazardous Wastes for a period of not exceeding 90 days and shall maintain record of the Hazardous Wastes and make these record available for inspection by the Board official as and when asked for.
9. Any occupier handling hazardous or other wastes and operator of the treatment, storage and disposal facility shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time. The labelling shall be done as per Form 8.
10. The unit must submit the report on any accident occurs at their facility immediately to the state Pollution Control Board, in Form-11 of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

*gic*  
Memo No. WB/OTWA/HW-309/17-18/12-A  
Copy to: *75*

1. The Deputy Commissioner, Kamrup (R) district for favour of information.
2. M/s. Alliance India, Near Ecotech Paper Mill, Vill.: Dinkar, P.O.: Baihata, Dist.: Kamrup (R) (Assam) (Assam) for information & necessary action.
3. The Addl. Chief Env. Engineer, Regional Office, Guwahati, PCBA for information & necessary action.


*BT*  
**Member Secretary**

Dated Guwahati the *4/9* 2017

*BT*  
**Member Secretary**

## ANNEXURE VI

Copy of show cause notice issued by Pollution Control Board, Assam

 **Pollution Control Board, Assam**  
(Department of Environment & Forests :: Government of Assam)  
**অসম প্রদূষণ নিয়ন্ত্রণ পৰিষদ**  
(অসম চৰকাৰৰ বন আৰু পৰিৱেশ বিভাগ)  
(An ISO 9001:2008 & BS OHSAS 18001:2007 Standard Certified Organisation)

No. WB/OTWA/HW-338/17-18/58  
To **৬৬৭**  
The Managing Director  
M/s Progressive Feticchem (P) Ltd.,  
Topatoli, NH-37, Pin-782403  
Dist-Kamrup (M) (Assam).

Dated Guwahati, the 22<sup>nd</sup> June, 2018

**Sub: SHOW CAUSE NOTICE.**

**WHEREAS**, the Central Government has notified the Hazardous Waste (Management and Handling) Rules, 1989, and amendments, thereof under the Environment (Protection) Act, 1986, for proper management and handling of hazardous wastes. Now, these Rules are recently amended as Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (herein referred to as HOWM Rules);

**WHEREAS**, as per Rule 4 (1) of the HOWM Rules, for the management of hazardous and other wastes, an occupier shall follow the following steps, namely (a) prevention; (b) minimization, (c) reuse, (d) recycling, (e) recover, utilization including co-processing, (f) safe disposal;

**WHEREAS**, as per Rule 4 (2) of the HOWM Rules, the occupier shall be responsible for safe and environmentally sound management of hazardous and other wastes;

**WHEREAS**, following categories of hazardous wastes are generated from your unit:

- (a) Filter Press Residue from Zinc Sulphate manufacturing;
- (b) Filter Press Residue from Magnesium Sulphate manufacturing;
- (c) Sulphur Residue (during melting of Sulphur) from Sulphuric Acid manufacturing, and;
- (d) Empty liners (used in packing Zinc Ash) contaminated with hazardous waste

**WHEREAS**, none of the hazardous waste are found stored except Sulphur residue as heap in open which may be about 5 MT;

**WHEREAS**, from the aforesaid Zinc ash consumption, it is estimated that at least 450 Metric Tonnes of hazardous waste as Filter Residues may have been generated during recycling of Zinc ash assuming maximum constituent of ZnO of about 70% in Zinc ash and remaining about 0.13 metric-tonnes as Impurities in per metric tonne of Zinc ash Which would be generated as filter press residue. Further, other-hazardous wastes such as, hazardous waste as Filter Residues from Manganese Sulphate production, Sulphur residue from Sulphuric acid production and Empty liners (3.rs (used in packing Zinc Ash) contaminated with hazardous waste-have also been generated,

However, daily records w.r.t. generation and storage of above hazardous wastes generation are not being maintained as required to be maintained in Form 3 as prescribed under Rule 20(1) of the HOWM Rules, 2016, Further, entries into passbook (w.r.t. Zinc-Ash being procured) issued by this Board are also not maintained.

**WHEREAS**, your unit claims that all the above hazardous wastes except the empty liners wastes are being mixed with SSP as nutrients which are violations of provisions of the HQWM Rules; 2016,

The other hazardous waste viz. empty liners contaminated with zinc ash is being disposed indiscriminately in violations of provisions of the HDWM Rules; 2016.

**WHEREAS**, manifest document in form 10 for movement of hazardous waste as prescribed under Rule 19 of the HOWM Rules; 2016, is not being maintained;

**WHEREAS**, annual return w.r.t. generation and management of hazardous waste is required to be sent to this Board, by 30<sup>th</sup> June of every year as stipulated under Rule 20 (2) of the HOWM Rules, 2016. However, the unit has not sent the same to PCB, Assam;

Contd....p/2

Head Office : Bamunimaidam, Guwahati - 781021, Assam : India.  
Phone : 2652774 & 2550258 ; Fax : 0361-2550259 ; Gram : POLLUTIONCONTROL  
E-mail : membersecretary@pcbassam.org; Website : www.pcbassam.org  
Regional Offices at : Dibrugarh, Golaghat, Sibsagar, Tezpur, Guwahati, Bongaigaon, Nagaon & Silchar



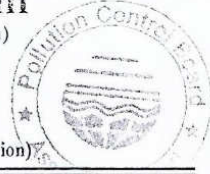
## Pollution Control Board, Assam

(Department of Environment & Forests :: Government of Assam)

### অসম প্রদূষণ নিয়ন্ত্ৰণ পৰিষদ

(অসম চৰকাৰৰ বন আৰু পৰিৱেশ বিভাগ)

(An ISO 9001:2008 & BS OHSAS 18001:2007 Standard Certified Organisation)



-2-

WHEREAS, there was no display board outside the factory gate displaying details of hazardous wastes being handled by your unit.

NOW, under the facts & circumstances aforesaid Pollution Control Board Assam is constrained to inform you that you have nonchalantly violated the provisions of the law in force causing pollution to the Environment & in exercising of power conferred upon it under Section-5 of the Environment ( Protection ) Act 1986 as amended till date, you are directed to inform within 15 (fifteen) days from the date of issue of this letter to file objection if any for the proposed direction of CLOSURE of your Unit with penalty as per provisions of the Rule 23(2) of the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

etc

✓

Member Secretary

Memo No. WB/OTWA/HW-338/17-18/58-A

Dated Guwahati, the 22<sup>nd</sup> June, 2018

Copy to:

1. The Secretary to the Govt. of Assam, Environment & Forests Deptt., Dispur, Guwahati-6 for favour of kind information.
2. The Deputy Commissioner, Kamrup (M) District for favour of information & requested to take necessary steps to execute the closure order.
3. The Supdt. of Police, Kamrup (M) District for favour of information & necessary action.
4. The Deputy General Manager (Distribution), APDCL, Guwahati Electrical Circle, ASEB for information & necessary action
5. P.A. to the Chairman, PCBA for kind appraisal of Hon'ble Chairman.
6. The Addl. Chief Env. Engineer, Regional Office, Guwahati, PCBA for information & necessary action.

✓


Member Secretary




## ANNEXURE VII

Copy of Standard Operating Procedure issued to regional offices of Pollution Control

Board, Assam

  
**pcba**  
**Pollution Control Board, Assam**  
**Bamunimaidam:Guwahati-21**



No. WB/OTWA/HW-339/17-18/52 Dated Guwahati, the 25 July, 2018


To, 929

The ACEE/ SEE/REE; RO/ RLO  
Guwahati/ Tezpur/ Bongaigaon/Silchar  
/Sivasagar/Golaghat/ Dibrugarh/ Nagaon  
Pollution Control Board, Assam.

**Sub: Standard Operating Procedure for utilization of Spent Ammonium Chloride generated during production of Hexamethyl Di Silazane for manufacturing of Ammonium Chloride under Rule 9 of the Hazardous & other Wastes (Management and Transboundary Movement) Rules, 2016-Reg.**

**Ref: CPCB letter No. B-29016(SC)/1(55-IV)/18/WM-II/7002 dtd.04.07.2018.**


With reference to the subject cited above, please find enclosed a copy of the letter under reference alongwith its enclosures. In this regard, you are hereby requested to take necessary steps for implementation of the enclosed guidelines/procedure with immediate effect.


Enclo: As stated. 

Memo No. WB/OTWA/HW-339/17-18/52-A Dated Guwahati, the 28 July, 2018

Copy to: 929

P.A to the Chairman, Pollution Control Board Assam for kind appraisal of Hon'ble Chairman.

  
**Member Secretary**

  
**Member Secretary**

o/c



## **ANNEXURE VIII**

Copy of National Inventory on Hazardous Wastes Generation and its Management  
2017-18 (CPCB: MoEF&CC, December 2019)

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National Inventory Report on Hazardous Waste Generation and Its Management (2017-18)

## **2. ASSAM (Hazardous Waste Generation and its Management)**

Table 2(a): Assam -District-wise details on Hazardous Waste Generation

S.No	Name of the District	Number of HW Generating Industry	Authorized Quantity of Hazardous Waste (Metric Tonne)				Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne)				Quantity of HW imported during the year (Metric Tonne)	Quantity of HW exported during the year (Metric Tonne)
			Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable		
			1	2	3	4	5	6	7	8	9	11
1	Kamrup	51	0	0	0	0	265.5	0	2488.6	1938.6	0	0
2	Dibrugarh	7	0	0	0	0	9094	0	62	0	0	0
3	Tinsukia	7	0	0	0	0	600	0	2642.5	0.18	0	0
4	Darrang	3	0	0	0	0	0	0.13	0.443	0	0	0
5	Cachar	2	0	0	0	0	0	0	0.05	0	0	0
6	Karimganj	2	0	0	0	0	0	0	1.4	0	0	0
7	Dima Hasao	2	0	0	0	0	0	0	1.275	0	0	0
8	Karbi Anglong	1	0	0	0	0	0	0	13	0	0	0
9	Golaghat	1	0	0	0	0	5.39	0	651.04	0	0	0
10	Chirang	1	0	0	0	0	0	0	1085.6	30193	0	0
	<b>Total</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9964.89</b>	<b>0.13</b>	<b>6945.908</b>	<b>32131.78</b>	<b>0</b>	<b>0</b>

Table 2(b): Assam- Details on Inter-state Movement of Hazardous Waste for recycling/utilisation/disposal

S. No.	Hazardous Waste	Hazardous Waste received from other State/UT		Hazardous Waste sent to other State/UT	
		Name of State/UT from which waste received	Quantity received (MT) 12	Name of State/UT where waste sent	Quantity sent (MT) 13
1	For disposal at common secured landfill				
2	For disposal at common Incinerator				
3	For recycling by Schedule IV recyclers			Not provided	
4	For utilization in co-processing (cement plants)				
5	For utilization under Rule 9 (other than co-processing)				

Table 2(c): Assam-Details on Hazardous Waste Recycled and Utilized

S.No.	Name of the District	Recycling/Utilization of hazardous waste (generated within the State/UT)				Recycling/Utilization of hazardous waste (received from other State/UT)			
		Quantity of waste Recycled(liste d under Schedule-IV Hazardous Wastes) (MT)	Quantity Utilized (MT)			Quantity of waste Recycled(liste d under Schedule-IV Hazardous Wastes) (MT)	Quantity Utilized (MT)		
			Co- processing in Cement Kiln	Other than co- processing	Captive Utilization(ot her than column 15 & 16)		Co-processing in Cement Kiln	Under Rule 9 other than co- processing	Captive Utilization(o ther than column 19 & 20)
		14	15	16	17	18	19	20	21
1	Kamrup	1938.6	0	0	1938.6	0	0	0	0
2	Dibrugarh	56	0	0	0	0	0	0	0
3	Tinsukia	1297	0	0	0.18	0	0	0	0
4	Karbi Anglong	13	0	0	0	0	0	0	0
5	Golaghat	251.04	0	0	0	0	0	0	0
6	Chirang		0	0	30193	0	0	0	0
7	Hojai	36	0	0		0	0	0	0
8	Sibsagar	13.84	0	0	1467.8	0	0	0	0
9	Jorhat		0	0	2.05	0	0	0	0
	Total	3605.40	0	0	33601.63	0	0	0	0

Table 2(d): Assam-Details on Hazardous Waste Disposed

S.No.	Name of the District	Disposal of hazardous waste (generated within the State/UT)				Disposal of hazardous waste (received from other State/UT)			
		Quantity Disposed in Secured Landfill (MT)		Quantity Disposed through Incinerator (MT)		Quantity Disposed in Secured Landfill (MT)		Quantity Disposed through Incinerator (MT)	
		Common	Captive	Common	Captive	Common	Captive	Common	Captive
		22	23	24	25	26	27	28	29
1	Kamrup	0	265.5	0	0	0	0	0	0
2	Dibrugarh	0	9094	0	0	0	0	0	0
3	Tinsukia	0	600	0	0	0	0	0	0
4	Darrang	0	0	0	0.13	0	0	0	0
5	Golaghat	0	5.39	0	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>9964.89</b>	<b>0</b>	<b>0.13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Table 2(e): Assam-Details on Hazardous Waste Stored at Occupier Premises

S.No.	Name of the District	Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT)				Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT)			
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
		30	31	32	33	34	35	36	37
1	Kamrup	0	0	144.1	0	0	0	693.4	0
2	Dibrugarh	0	0	1094.5	0	0	0	1100.5	0
3	Tinsukia	0	0	15081.1	0	0	0	16426.6	0
4	Darrang	0	0	0	0	0	0	0.442	0
5	Cachar	0	0	0	0	0	0	0.05	0
6	Karimganj	0	0	3.2	0	0	0	4.6	0
7	Hailakandi	0	0	4	0	0	0	4	0
8	Dima Hasao	0	0	29	0	0	0	30.275	0
9	Golaghat	0	0	0	0	0	0	400	0

S.No.	Name of the District	Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 01.04.2017 (MT)				Total Quantity of HW stored at Occupier premises during the financial year i.e. 1st April to 31st March 2018 (MT)			
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
		30	31	32	33	34	35	36	37
10	Chirang	0	0	7420	0	0	0	8506	0
11	Goalpara	0	0	0	0	0	0	0.476	0
12	Morigaon	0	0	0	0	0	0	5.01	0
	Total	0	0	23775.9	0	0	0	27171.353	0

Table 2(f): Assam-Details on Recycling / Utilization/Co-Processing of Hazardous Waste

S.No	Type of Recycling Facilities	No of Facilities authorized for recycling / utilization / Co-processing of HW	Total Authorized Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT) during the year
A	Commonly Recyclable HW	-	-	-
1	Brass Dross	-	-	-
2	Zinc Bearing Wastes	-	-	-
3	Copper Bearing Waste	-	-	-
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt	-	-	-
5	Lead bearing waste including battery waste	06*	16,531*	13083.37*
6	E-Waste	-	-	-
7	Paint and Ink Sludge/residues	-	-	-
8	Used oil	06*	25,300*	733*
9	Waste Oil	-	-	-
	Total	12*	41,831*	13,816.37*
B	Utilization of HW under Rule 9	-	-	-
C	Co-processing in Cement Plants	-	-	-

\*Assam PCB has not provided Format B, however, above data provided in above table is based on information provided in Format C.

Table 2(g): Assam- List of Authorized Recyclers/ Utilizers and Co-processors

S.No	Name and Address of the Facility	Type of Hazardous Waste authorised for recycling	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)
1	M/s. Modern Lube Industries, Barsapara Industrial Area, (Behind Bajrang Ispat Ltd.), Guwahati-34	Used oil Waste Oil	1000 KLA 1000 KLA	140 KI.
2	M/s. Progressive Industries, Rani Industrial Area, Dist.: Kamrup, (Assam).	Used oil Waste Oil	500 KLA 1000 KLA	85 KLA Nil
3	M/s East End Petro Chemicals (P) Ltd., Naoholia, Dibrugarh, Assam).	Used oil	600 KL	Nil
4	M/s Allied Industries, P.O.: Makum Junction, Digboi, Dist.: Tinsukia, (Assam).	Waste Oil	15000 KLA	250 MTA
5	M/s Purbanchal Chemicals, Vill.: Gauripur, P.O.: College Nagar, Dist.: Kamrup (Assam).	Used oil, waste oil, lead acid, battery plates, lead scrap/residues	1200 MTA	258 MTA
6	M/s North East Petrochemicals, Kamarkuchi, Sonapur, Dist.: Kamrup	Waste Oil	5000 KLA	0
7	M/s Royal Industries, 15 <sup>th</sup> Mile, Vill.: Burni, P.O.: Jorabat, Dist.: Kamrup, (Assam).	lead acid battery plates & lead scrap	900 MTA	480.11
8	M/s Nirman Industries, O-7, DICC Campus Numalijah, Amingaon, Dist.: Kamrup, (Assam).	lead acid battery plates & lead scrap	1200 MTA	0
9	M/s S.R. Battery Works, Murmuria Gaon Napamua, Mariani Road, Cinnamora, Jorhat, (Assam).	lead acid battery plates & lead scrap	2400 MTA	0



S.No	Name and Address of the Facility	Type of Hazardous Waste authorised for recycling	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)
10	M/s Anubhav Industries, Industrial Growth Centre, Chaygaon, Vill.: Chattabari, P.O.: Chaygaon, Dist.: Kamrup, (Assam).	lead acid battery plates & lead scrap	9600 MTA	3542.5 MTA
11	M/s Shree Sai Vamika Industries, Gauripur, Near Shiv Sai Steel, North Guwahati, Dist.: Kamrup (Assam)	lead acid battery plates & lead scrap	9601 MTA	6788 MTA
12	M/s. Kamakhya Power Solution, is" Mile, Vill.: Burni, P.O.: Jorabat, Dist.: Kamrup, (Assam).	Schedule -I (9.2), lead ash or particulate matter from flue gas schedule-III (A1170), unsorted waste battery	30 MTA 2400 MTA	Nil 2272.76 MTA

Table 2(h): Assam-Details of Hazardous waste disposed in Common TSDF(s)

S. No	Name and Address of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Hazardous Waste Received (MT)			Quantity of Hazardous Waste Disposed (MT)			Quantity Pre-Processed for utilization (MT)	Quantity in Stock at the end of the year (MT)		Cumulative HW disposed in SLF by the end of financial year (MT)	Capacity		
		Landfillable	Incinerable	For Direct landfill	For Landfill after treatment	For Incineration	Quantity Landfilled directly	Quantity Landfilled after treatment	Quantity Incinerated		Landfillable	Incinerable		Incinerator (KCal)	Incinerator (T/H)	Landfill (MT/A)
Information Not Provided																

Table 2(i): Assam-Details of Hazardous waste disposed in Captive TSDF(s)

S. No.	Name and Address of Captive facility	Type of facility (landfillable/incinerable/both)	Capacity		HW disposed during the year	Cumulative HW disposed till the end of financial year
			Incinerator (T/H)	Landfill (MT/A)		
Information Not Provided						

## ANNEXURE IX

Copy of annual returns furnished by some Hazardous Waste Generating Industries in

Assam

FORM 4  
[See rule 6(5), 13(8), 16(6), and 20(2)]

**FORM FOR FILLING ANNUAL RETURNS**

(To be submitted to State Pollution Control Board by 30<sup>th</sup> day of June of every year for the preceding period April to March)

- Name and address of facility: : **OIL INDIA LIMITED, DIBRUGARH, ASSAM-786602**
- Authorisation No. and Date of issue: **WB/OTWA/HW-14/01-02/19-503 to 505 dated:27.05.2004**  
No.S&E/E/26/144,dtd.03.02.2009 : Our application vide letter  
No.S&E/E/26/328,dtd.11.03.2013 : Our application vide letter  
Our application vide letter No. S&E/E/26/212,dtd.01.02.2018
- Name of the authorized person and full address with telephone, Fax number and e-mail :  
**SRI A.K ACHARYA**  
**Chief General Manager (HSE)**  
Safety & Environment Deptt.  
Oil India Limited, Duliajan  
Tel: 0374-2800542  
Fax:0374-2804888
- Production during the year(Product wise), wherever applicable: i) **Crude Oil- 3391861 MT**  
ii) **Natural Gas-2881.498 MMSCM**  
iii) **LPG-34000 MT**

**Part A To be filled by hazardous waste generators**

- Total quantity of waste generated category wise: **Category-2.2- Oily Sludge-9094 MT(approx.) as per Schedule-I**  
: **Category- 5.1- Used/Spent oil: 65.96 KL(approx.)**
- Quantity dispatched:  
(i) To disposal facility : **Oily sludge is stored in fenced HDPE lined concrete pits within OIL premises. Used/spent oil is kept in drums and sold to recycler as and when required.**  
(ii) To recycler or co-processor: **65.96 KL**  
(iii) Others: **N/A**
- Quantity utilized in- house, if any: **N/A**
- Quantity in storage at the end of the year: **NIL**

**Part B. To be filled by Treatment, Storage and disposal facility operators**

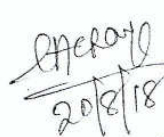
- Total quantity received: **Oily sludge-9094MT**
- Quantity in stock at the beginning of the year:

3. Quantity treated: 9094MT  
4. Quantity disposed in landfills as such and after treatment: N/A  
5. Quantity incinerated (if applicable): N/A  
6. Quantity processed other than specified above: N/A  
7. Quantity in storage at the end of the year: N/A

Part C. To be filled by recyclers or co-processors or other users.

1. Quantity of waste received during the year: N/A  
(vii) Domestic sources  
(viii) Imported (if applicable)  
2. Quantity in stock at the beginning of the year: N/A  
3. Quantity recycled or co-processed or used: N/A  
4. Quantity of products dispatched (wherever applicable): N/A  
5. Quantity of waste generated: N/A  
6. Quantity of waste disposed: N/A  
7. Quantity re-exported (wherever applicable): N/A  
8. Quantity in storage at the end of the year: N/A

Date: 20.08.2018  
Place: Duliajan

  
Signature of the Occupier or Operator of the disposal facility.

FORM 4

[See rules 6(5), 13(5), 14(5) and 20(2)]

FORM FOR FILLING ANNUAL RETURN

[To be submitted to State Pollution Control Board by 30<sup>th</sup> day of June of every year for the preceding period April to March]

1. Name and address of the facility : Assam Gas Company Limited  
Duliajan-786602 :Dibrugarh.
2. Authorization No. and date of Issue Arrear paid, awaited for authorization
3. Name of the authorized person and Full address with telephone No., Fax Mr.A.K.Sarma, Managing Director, AGCL  
Duliajan-786602, Tel- No  
(+913374)2800556,2800558,  
e-mail:info@assamgas.org and  
Mr.D.K.Dutta Head &DGM(CGDB)
4. Production during the year (product wise) 5.4MT(burnt lube oil/once used lube oil)

Wherever applicable

PART A: TO BE FILLED BY HAZARDOUS WASTE GENERATORS

1. Total quantity of waste generated category wise: 5.4MT
2. Quantity dispatched
  - i) to disposal facility 5.4MT. Disposed off through authorized recycler.
  - ii) to recycler or co-processors or pre-processors
  - iii) to others
3. Quantity utilized in-house, if any- Not applicable
4. Quantity in storage at the end of the year 5.4MT

PART B: TO BE FILLED BY TREATMENT, STORAGE AND DISPOSAL FACILITY OPERATORS

1. Total quantity received: 5.4MT
2. Quantity in stock at the beginning of the year: 5.4MT
3. Quantity treated: Not applicable
4. Quantity disposed in landfills as such and after Treatment: Not applicable
5. Quantity incinerated (if applicable) Not applicable
6. Quantity processed other than specified above: Not applicable
7. Quantity in storage at the end of the year: 5.4MT



PART C: TO BE FILLED BY RECYCLERS OR CO-PROCESSORS OR OTHER USERS

1.Quantity of waste received during the year	
i) Domestic sources	Not applicable
ii) Imported(if applicable)	Not applicable
2.Quantity in stock at the beginning of the year	5.4MT
3.Quantity recycled or co-processed or used:	Not applicable
4.Quantity of products dispatched(wherever applicable):	Not applicable
5.Quantity of waste generated:	Not applicable
6.Quantity of wast disposed :	Not applicable
7.Quantity re-exported(wherever applicable):	Not applicable
8.Quantity in storage at the end of the year:	5.4MT

Date :27-06-2018

Place: Dullejjan

Signature of the Occupier  
or the operator of the disposal facility

**FORM 4**

[See rules 6(5), 13(8), 16(6) and 20 (2)]

**FORM FOR FILING ANNUAL RETURNS**

[To be submitted to State Pollution Control Board by 30<sup>th</sup> day of June of every year for the preceding period April to March]

1. Name and address of facility: Brahmaputra Cracker and Polymer Limited,  
Administrative Building, Lepetkata,  
Dibrugarh-786006, Assam.
2. Authorization No. and Date of issue: Application BCPL vide letter no.  
BCPL/LEP/ENV/026/2017 dated 23<sup>rd</sup> Jan., 2017  
submitted to Pollution Control Board, Assam to obtain  
authorization for Hazardous Waste Management.  
Further as instructed by PCB Assam online  
application submitted dated vide application number  
PCB/F33/DI/0000075/08/2018
3. Name of the authorized person and full address with telephone, fax number and e-mail: Sh. Pranjal Changmai, GM (Operations),  
Brahmaputra Cracker and Polymer Limited,  
Administrative Building, Lepetkata,  
Dibrugarh-786006, Assam.  
Mobile: +91-9435566971  
E-mail: *environment.dept@bcplindia.co.in*
4. Production during the year (product wise), wherever applicable  
Products (Maximum installed capacity):  
LLDPE/HDPE: 2, 20,000 TPA  
Polypropylene: 60,000 TPA  
By-products (Maximum installed capacity):  
Pyro gasoline: 43,024 TPA  
Fuel Oil: 9,728 TPA

**Part A. To be filled by hazardous waste generators**

1. Total quantity of waste generated Period from 1<sup>st</sup> April'17 to 31<sup>st</sup> March'18:  
Category wise
  - Slop Oil (Waste Lube Oil and Used Lube Oil) -  
13.29 MT
  - Slop Oil (Used off spec CBFS) – 36.65 MT

2. Quantity dispatched

Not Applicable

(i) to disposal facility

(ii) to recycler or co-processors  
or pre-processor

**Period from 1<sup>st</sup> April, 2017 to 31<sup>st</sup> March, 2018:**

- Slop Oil (Waste Lube Oil and Used Lube Oil) -13.29 MT
- Slop Oil (Used off spec CBFS) - 36.65 MT

(iii) Others

Not Applicable

3. Quantity utilized in-house, if any -

Not Applicable

4. Quantity in storage at the end of  
the year -

**Quantity storage as on 31<sup>st</sup> March, 2018:**

- Slop Oil (Waste Lube Oil and Used Lube Oil) - Nil
- Slop Oil (Used off spec CBFS) - Nil

**Part B. To be filled by Treatment, storage and disposal facility operators**

1. Total quantity received - Not Applicable

2. Quantity in stock at the beginning of the year - Not Applicable

3. Quantity treated - Not Applicable

4. Quantity disposed in landfills as such and after treatment - Not Applicable

5. Quantity incinerated (if applicable) - Not Applicable

6. Quantity processed other than specified above - Not Applicable

7. Quantity in storage at the end of the year - Not Applicable

**Part C. To be filled by recyclers or co-processors or other users**

1. Quantity of waste received during the year - Not Applicable

(i) Domestic sources Not Applicable

2/4/18

- (ii) Imported (if applicable) Not Applicable
2. Quantity in stock at the beginning of the year – Not Applicable
3. Quantity recycled or co-processed or used – Not Applicable
4. Quantity of products dispatched (wherever applicable) – Not Applicable
5. Quantity of waste generated - Not Applicable
6. Quantity of waste disposed - Not Applicable
7. Quantity re-exported (wherever applicable)- Not Applicable
8. Quantity in storage at the end of the year – Not Applicable

Date: 22.09.2018

Place: Dibrugarh.

*P. Nagesh*  
Signature of the Occupier or  
Operator of the disposal facility

पी० नागेश/P. Nagesh  
मुख्य संचालन अधिकारी/Chief Operating Officer  
ब्रह्मपुत्र क्रैकर एण्ड पॉलीमर लिमिटेड  
Brahmaputra Cracker and Polymer Limited

1145



FORM 4

[See rules 6(5), 13(8), 16(8) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30<sup>th</sup> day of June of every year for the preceding period April to March]

1. Name and address of facility: Hindustan Unilever Limited, Personal Product Factory, Dag No-21 of 122 ES Grant Mouza-Tingrai, NH-37
2. Authorisation No. and Date of issue: WB/OTWA/pl/HW-23/03-04/89 and date-20/03/17
3. Name of the authorised person and full address with telephone, fax number and e-mail: Satish Yelamanchili Hindustan Unilever Limited, Personal Product Factory, Doom Dooma, Industrial Estate Doom Dooma 786151 Assam Ph-9857564029
4. Production during the year (product wise), wherever applicable

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise  
Schedule 5: Lube oil/System oil--- 600 lt
2. Quantity dispatched
  - (i) to disposal facility ---nil
  - (ii) to recycler or co-processors or pre-processor ---nil
  - (iii) others ---nil
3. Quantity utilised in-house, if any - nil
4. Quantity in storage at the end of the year- Schedule 5: Lube oil/System oil--- 2500 lt

Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received - NA
2. Quantity in stock at the beginning of the year - NA
3. Quantity treated- NA
4. Quantity disposed in landfills as such and after treatment- NA
5. Quantity incinerated (if applicable) - NA
6. Quantity processed other than specified above - NA
7. Quantity in storage at the end of the year - NA


Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year-NA
  - (i) domestic sources
  - (ii) imported (if applicable) NA
2. Quantity in stock at the beginning of the year - NA

3. Quantity recycled or co-processed or used- NA
4. Quantity of products dispatched (wherever applicable)- NA
5. Quantity of waste generated - NA
6. Quantity of waste disposed - NA
7. Quantity re-exported (wherever applicable)- NA
8. Quantity in storage at the end of the year - NA

Date 04/05/12

Place.....

  
Signature of the Occupier or  
Operator of the disposal facility

Pollution Control Board, Assam

Receipt No. 1053

Date 19/11/2018

Signature

AE (B.S.)  
Pl. 2nd photocopy +  
H.O. 19/11/18

FORM 4

[See rules 6(5), 13(8), 16(6) and 20 (2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to State Pollution Control Board by 30<sup>th</sup> day of June of every year for the preceding period April to March]

1. Name and address of facility: M/S APEX POLLYPLAST.  
Address: 1 No. CHOTA HAPJANGADW, P.O. HAKUM  
TINSUKIA-786170  
ASSAM.
2. Authorisation No. and Date of issue: WB/DTWA/HN-218/13-14/29
3. Name of the authorised person and full address with telephone, fax number and e-mail:  
ABHISHEK KESHAN, PARBATIA PEOER ROAD, TINSUKIA - 786125, ASSAM.
4. Production during the year (product wise), wherever applicable (M): 9435009922  
240 TONS. : PLASTIC GRANULES RECYCLED  
apexpollyplast@gmail.com

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise
2. Quantity dispatched
  - (i) to disposal facility
  - (ii) to recycler or co-processors or pre-processor
  - (iii) others
3. Quantity utilised in-house, if any -
4. Quantity in storage at the end of the year -

Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received -
2. Quantity in stock at the beginning of the year -
3. Quantity treated -
4. Quantity disposed in landfills as such and after treatment -
5. Quantity incinerated (if applicable) -
6. Quantity processed other than specified above -
7. Quantity in storage at the end of the year -

Part C. To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year -
  - (i) domestic sources → 245 ton/yr.
  - (ii) imported (if applicable)
2. Quantity in stock at the beginning of the year - 14 ton.

3. Quantity recycled or co-processed or used – 235 ton .  
4. Quantity of products dispatched (wherever applicable) – 235 ton .  
5. Quantity of waste generated - NIL  
6. Quantity of waste disposed - NIL  
7. Quantity re-exported (wherever applicable)- NIL  
8. Quantity in storage at the end of the year - 12 ton



Signature of the Occupier or  
Operator of the disposal facility

Date..18/11/2018..

Place..DIBRUYARKA..

**FORM 4**

[See rules 6(5), 13(8), 16(6) and 20 (2)]

**FORM FOR FILING ANNUAL RETURNS**

[To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]

1. Name and address of facility:

Tinsukia Terminal  
Indian Oil Corporation  
Ltd., IndianOil-AOD,  
Sripuria, Tinsukia-786125,  
Assam

2. Authorisation No. and Date of issue: WB/OTWA/HW-169/06-07/92 dated 28.04.2017

3. Name of the authorised person and full address with telephone, fax number and e-mail:

Senior Terminal Manager,  
Tinsukia Terminal,  
Indian Oil Corporation  
Ltd.  
IndianOil AOD  
Sripuria, Tinsukia- 786125  
Tel: 0374-2333591,  
Ph: 9435525436,  
Email:  
[apnag@indianoil.in](mailto:apnag@indianoil.in)

4. Production during the year (product wise), wherever applicable

**Part A. To be filled by hazardous waste generators**

1. Total quantity of waste generated category wise

Oil Sludge- 280 KL Approx  
Spent Luboil- 210 Ltrs Approx  
Cotton Waste- 1 KG Approx

2. Quantity dispatched- NA

(i) to disposal facility-  
(ii) to recycler or co-processors or pre-processor  
(iii) others

Oil Sludge- 220KL (Sale through MSTC)

3. Quantity utilised in-house, if any - NA

4. Quantity in storage at the end of the year -

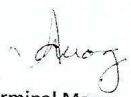
Oil Sludge- 60 KL Approx  
Spent Luboil- 210 Ltrs Approx  
Cotton Waste- 1 KG Approx

**Part B. To be filled by Treatment, storage and disposal facility operators-**

1. Total quantity received - NA
2. Quantity in stock at the beginning of the year –  
Oil Sludge- 280 KL Approx  
Spent Lubeoil- 210 Ltrs Approx  
Cotton Waste- 1 KG Approx
3. Quantity treated – NIL
4. Quantity disposed in landfills as such and after treatment – NIL
5. Quantity incinerated (if applicable) - NIL
6. Quantity processed other than specified above – Oil Sludge Sale to Board approved party through MSTC- 220 KL (Approx)
7. Quantity in storage at the end of the year –  
Oil Sludge- 60 KL Approx  
Spent Lubeoil- 210 Ltrs Approx  
Cotton Waste- 1 KG Approx

**Part C. To be filled by recyclers or co-processors or other users- NA**

1. Quantity of waste received during the year –  
(i) domestic sources  
(ii) imported (if applicable)
2. Quantity in stock at the beginning of the year -
3. Quantity recycled or co-processed or used –
4. Quantity of products dispatched (wherever applicable) –
5. Quantity of waste generated -
6. Quantity of waste disposed -
7. Quantity re-exported (wherever applicable)-
8. Quantity in storage at the end of the year –

  
Senior Terminal Manager  
Tinsukia Terminal  
Indian Oil Corporation Limited

Date: 24.01.2018  
Place: Tinsukia



**[PUBLISHED IN THE GAZETTE OF INDIA, EXTRAORDINARY, PART II,  
SECTION 3, SUB-SECTION (i)]**

**GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE**

**NOTIFICATION**

**New Delhi, the 04<sup>th</sup> April, 2016**

**G.S.R No. 395 (E).** - Whereas the draft rules, namely the Hazardous And Other Wastes (Management and Transboundary Movement) Rules, 2015, were published by the Government of India in the Ministry of Environment, Forest and Climate Change *vide* number G.S.R. 582(E), dated the 24<sup>th</sup> July, 2015 in the Gazette of India, Extraordinary Part II, section 3, sub-section (ii) inviting objections and suggestions from all persons likely to be affected thereby, before the expiry of the period of sixty days from the date on which copies of the Gazette containing the said notification were made available to the public;

AND WHEREAS the copies of the said Gazette containing the said notification were made available to the public on the 24<sup>th</sup> day of July, 2015;

AND WHEREAS the objections and suggestions received within the specified period from the public in respect of the said draft rules have been duly considered by the Central Government;

NOW, THEREFORE, in exercise of the powers conferred by sections 6, 8 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), and in supersession of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008, except as respects things done or omitted to be done before such supersession, the Central Government hereby makes the following rules, namely:-

**CHAPTER I**

**PRELIMINARY**

**1. Short title and commencement.** - (1) These rules may be called the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

(2) They shall come into force on the date of their publication in the Official Gazette.

**2. Application.** - These rules shall apply to the management of hazardous and other wastes as specified in the Schedules to these rules but shall not apply to -

- (a) waste-water and exhaust gases as covered under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) and the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) and the rules made thereunder and as amended from time to time;
- (b) wastes arising out of the operation from ships beyond five kilometres of the relevant baseline as covered under the provisions of the Merchant Shipping Act, 1958 (44 of 1958) and the rules made thereunder and as amended from time to time;

- (c) radio-active wastes as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and the rules made thereunder and as amended from time to time;
- (d) bio-medical wastes covered under the Bio-Medical Wastes (Management and Handling) Rules, 1998 made under the Act and as amended from time to time; and
- (e) wastes covered under the Municipal Solid Wastes (Management and Handling) Rules, 2000 made under the Act and as amended from time to time.

**3. Definitions. -** (1) In these rules, unless the context otherwise requires,-

- 1. "Act" means the Environment (Protection) Act, 1986 (29 of 1986);
- 2. "actual user" means an occupier who procures and processes hazardous and other waste for reuse, recycling, recovery, pre-processing, utilisation including co-processing;
- 3. "authorisation" means permission for generation, handling, collection, reception, treatment, transport, storage, reuse, recycling, recovery, pre-processing, utilisation including co-processing and disposal of hazardous wastes granted under sub-rule (2) of rule 6;
- 4. "Basel Convention" means the United Nations Environment Programme Convention on the Control of Transboundary Movement of Hazardous Wastes and their Disposal;
- 5. "captive treatment, storage and disposal facility" means a facility developed within the premises of an occupier for treatment, storage and disposal of wastes generated during manufacture, processing, treatment, package, storage, transportation, use, collection, destruction, conversion, offering for sale, transfer or the like of hazardous and other wastes;
- 6. "Central Pollution Control Board" means the Central Pollution Control Board constituted under sub-section (1) of section 3 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974);
- 7. "common treatment, storage and disposal facility" means a common facility identified and established individually or jointly or severally by the State Government, occupier, operator of a facility or any association of occupiers that shall be used as common facility by multiple occupiers or actual users for treatment, storage and disposal of the hazardous and other wastes;
- 8. "co-processing" means the use of waste materials in manufacturing processes for the purpose of energy or resource recovery or both and resultant reduction in the use of conventional fuels or raw materials or both through substitution;
- 9. "critical care medical equipment" means life saving equipment and includes such equipment as specified by the Ministry of Health and Family Welfare from time to time;
- 10. "disposal" means any operation which does not lead to reuse, recycling, recovery, utilisation including co-processing and includes physico-chemical treatment, biological treatment, incineration and disposal in secured landfill;

11. “export”, with its grammatical variations and cognate expressions, means taking out of India to a place outside India;
12. “exporter” means any person or occupier under the jurisdiction of the exporting country who exports hazardous or other wastes, including the country which exports hazardous or other waste;
13. “environmentally sound management of hazardous and other wastes” means taking all steps required to ensure that the hazardous and other wastes are managed in a manner which shall protect health and the environment against the adverse effects which may result from such waste;
14. “environmentally sound technologies” means any technology approved by the Central Government from time to time;
15. “facility” means any establishment wherein the processes incidental to the generation, handling, collection, reception, treatment, storage, reuse, recycling, recovery, pre-processing, co-processing, utilisation and disposal of hazardous and, or, other wastes are carried out;
16. “Form” means a form appended to these rules;
17. “hazardous waste” means any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances, and shall include -
  - (i) waste specified under column (3) of Schedule I;
  - (ii) waste having equal to or more than the concentration limits specified for the constituents in class A and class B of Schedule II or any of the characteristics as specified in class C of Schedule II; and
  - (iii) wastes specified in Part A of Schedule III in respect of import or export of such wastes or the wastes not specified in Part A but exhibit hazardous characteristics specified in Part C of Schedule III;
18. “import”, with its grammatical variations and cognate expressions, means bringing into India from a place outside India;
19. “importer” mean any person or occupier who imports hazardous or other waste;
20. “manifest” means transporting document prepared and signed by the sender authorised in accordance with the provisions of these rules;
21. “occupier” in relation to any factory or premises, means a person who has, control over the affairs of the factory or the premises and includes in relation to any hazardous and other wastes, the person in possession of the hazardous or other waste;
22. “operator of disposal facility” means a person who owns or operates a facility for collection, reception, treatment, storage and disposal of hazardous and other wastes;
23. “other wastes” means wastes specified in Part B and Part D of Schedule III for import or export and includes all such waste generated indigenously within the country;

24. "pre-processing" means the treatment of waste to make it suitable for co-processing or recycling or for any further processing;
25. "recycling" means reclamation and processing of hazardous or other wastes in an environmentally sound manner for the originally intended purpose or for other purposes;
26. "reuse" means use of hazardous or other waste for the purpose of its original use or other use;
27. "recovery" means any operation or activity wherein specific materials are recovered;
28. "Schedule" means a Schedule appended to these rules;
29. "State Government" in relation to a Union territory means, the Administrator thereof appointed under article 239 of the Constitution;
30. "State Pollution Control Board" means the State Pollution Control Board constituted under section 4 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) and includes, in relation to a Union territory, the Pollution Control Committee;
31. "storage" mean storing any hazardous or other waste for a temporary period, at the end of which such waste is processed or disposed of;
32. "transboundary movement" means any movement of hazardous or other wastes from an area under the jurisdiction of one country to or through an area under the jurisdiction of another country or to or through an area not under the jurisdiction of any country, provided that at least two countries are involved in the movement;
33. "transport" means off-site movement of hazardous or other wastes by air, rail, road or water;
34. "transporter" means a person engaged in the off-site transportation of hazardous or other waste by air, rail, road or water;
35. "treatment" means a method, technique or process, designed to modify the physical, chemical or biological characteristics or composition of any hazardous or other waste so as to reduce its potential to cause harm;
36. "used oil" means any oil-
  - (i) derived from crude oil or mixtures containing synthetic oil including spent oil, used engine oil, gear oil, hydraulic oil, turbine oil, compressor oil, industrial gear oil, heat transfer oil, transformer oil and their tank bottom sludges; and
  - (ii) suitable for reprocessing, if it meets the specification laid down in Part A of Schedule V but does not include waste oil;
37. "utilisation" means use of hazardous or other waste as a resource;

38. “waste” means materials that are not products or by-products, for which the generator has no further use for the purposes of production, transformation or consumption.

Explanation.- for the purposes of this clause,

- (i) waste includes the materials that may be generated during, the extraction of raw materials, the processing of raw materials into intermediates and final products, the consumption of final products, and through other human activities and excludes residuals recycled or reused at the place of generation; and
  - (ii) by-product means a material that is not intended to be produced but gets produced in the production process of intended product and is used as such;
39. “waste oil” means any oil which includes spills of crude oil, emulsions, tank bottom sludge and slop oil generated from petroleum refineries, installations or ships and can be used as fuel in furnaces for energy recovery, if it meets the specifications laid down in Part-B of Schedule V either as such or after reprocessing.

(2) Words and expressions used in these rules and not defined but defined in the Act shall have the meanings respectively assigned to them in the Act.

## **CHAPTER II**

### **PROCEDURE FOR MANAGEMENT OF HAZARDOUS AND OTHER WASTES**

#### **4. Responsibilities of the occupier for management of hazardous and other wastes.-**

(1) For the management of hazardous and other wastes, an occupier shall follow the following steps, namely:-

- (a) prevention;
- (b) minimization;
- (c) reuse,
- (d) recycling;
- (e) recovery, utilisation including co-processing;
- (f) safe disposal.

(2) The occupier shall be responsible for safe and environmentally sound management of hazardous and other wastes.

(3) The hazardous and other wastes generated in the establishment of an occupier shall be sent or sold to an authorised actual user or shall be disposed of in an authorised disposal facility.

(4) The hazardous and other wastes shall be transported from an occupier's establishment to an authorised actual user or to an authorised disposal facility in accordance with the provisions of these rules.

(5) The occupier who intends to get its hazardous and other wastes treated and disposed of by the operator of a treatment, storage and disposal facility shall give to the operator of that facility, such specific information as may be needed for safe storage and disposal.

(6) The occupier shall take all the steps while managing hazardous and other wastes to-

- (a) contain contaminants and prevent accidents and limit their consequences on human beings and the environment; and
- (b) provide persons working in the site with appropriate training, equipment and the information necessary to ensure their safety.

**5. Responsibilities of State Government for environmentally sound management of hazardous and other wastes.** – (1) Department of Industry in the State or any other government agency authorised in this regard by the State Government, to ensure earmarking or allocation of industrial space or shed for recycling, pre-processing and other utilisation of hazardous or other waste in the existing and upcoming industrial park, estate and industrial clusters;

(2) Department of Labour in the State or any other government agency authorised in this regard by the State Government shall,-

- (a) ensure recognition and registration of workers involved in recycling, pre-processing and other utilisation activities;
- (b) assist formation of groups of such workers to facilitate setting up such facilities;
- (c) undertake industrial skill development activities for the workers involved in recycling, pre-processing and other utilisation;
- (d) undertake annual monitoring and to ensure safety and health of workers involved in recycling, pre-processing and other utilisation.

(3) Every State Government may prepare integrated plan for effective implementation of these provisions and to submit annual report to the Ministry of Environment, Forest and Climate Change, in the Central Government.

**6. Grant of authorisation for managing hazardous and other wastes.**- (1) Every occupier of the facility who is engaged in handling, generation, collection, storage, packaging, transportation, use, treatment, processing, recycling, recovery, pre-processing, co-processing, utilisation, offering for sale, transfer or disposal of the hazardous and other wastes shall be required to make an application in **Form 1** to the State Pollution Control Board and obtain an authorisation from the State Pollution Control Board within a period of sixty days from the date of publication of these rules. Such application for authorisation shall be accompanied with a copy each of the following documents, namely:-

- (a) consent to establish granted by the State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 (25 of 1974) and the Air (Prevention and Control of Pollution) Act, 1981 (21 of 1981);
- (b) Consent to operate granted by the State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 (25 of 1974) and/or Air (Prevention and Control of Pollution) Act, 1981, (21 of 1981);
- (c) in case of renewal of authorisation, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorisation for hazardous and other wastes:

Provided that an application for renewal of authorisation may be made three months before the expiry of such authorisation:

Provided further that-

- (i) any person authorised under the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, prior to the date of commencement



of these rules, shall not be required to make an application for authorisation till the period of expiry of such authorisation;

- (ii) any person engaged in recycling or reprocessing of the hazardous waste specified in Schedule IV and having registration under the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, shall not be required to make an application for authorisation till the period of expiry of such registration.

(2) On receipt of an application complete in all respects for the authorisation, the State Pollution Control Board may, after such inquiry as it considers necessary, and on being satisfied that the applicant possesses appropriate facilities for collection, storage, packaging, transportation, treatment, processing, use, destruction, recycling, recovery, pre-processing, co-processing, utilisation, offering for sale, transfer or disposal of the hazardous and other waste, as the case may be, and after ensuring technical capabilities and equipment complying with the standard operating procedure or other guidelines specified by the Central Pollution Control Board from time to time and through site inspection, grant within a period of one hundred and twenty days, an authorisation in **Form 2** to the applicant, which shall be valid for a period of five years subject to such conditions as may be laid down therein. For commonly recyclable hazardous waste as given in Schedule IV, the guidelines already prepared by the Central Pollution Control Board shall be followed:

Provided that in the case of an application for renewal of authorisation, the State Pollution Control Board may, before granting such authorisation, satisfy itself that there has been no violation of the conditions specified in the authorisation earlier granted by it and same shall be recorded in the inspection report.

(3) The authorisation granted by the State Pollution Control Board under sub-rule (2) shall be accompanied by a copy of the field inspection report signed by that Board indicating the adequacy of facilities for collection, storage, packaging, transportation, treatment, processing, use, destruction, recycling, recovery, pre-processing, co-processing, utilisation, offering for sale, transfer or disposal of the hazardous and other wastes and compliance to the guidelines or standard operating procedures specified by the Central Pollution Control Board from time to time.

(4) The State Pollution Control Board may, for the reasons to be recorded in writing and after giving reasonable opportunity of being heard to the applicant, refuse to grant any authorisation under these rules.

(5) Every occupier authorised under these rules, shall maintain a record of hazardous and other wastes managed by him in **Form 3** and prepare and submit to the State Pollution Control Board, an annual return containing the details specified in **Form 4** on or before the 30<sup>th</sup> day of June following the financial year to which that return relates.

(6) The State Pollution Control Board shall maintain a register containing particulars of the conditions imposed under these rules for management of hazardous and other wastes and it shall be open for inspection during office hours to any interested or affected person.

(7) The authorised actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorisation.

(8) Handing over of the hazardous and other wastes to the authorised actual user shall be only after making the entry into the passbook of the actual user.

**7. Power to suspend or cancel an authorisation.-** (1) The State Pollution Control Board, may, if in its opinion the holder of the authorisation has failed to comply with any of the conditions of the authorisation or with any provisions of the Act or these rules and after giving him a reasonable opportunity of being heard and after recording reasons thereof in writing cancel or suspend the authorisation issued under rule 6 for such period as it considers necessary in the public interest.

(2) Upon suspension or cancellation of the authorisation, the State Pollution Control Board may give directions to the person whose authorisation has been suspended or cancelled for the safe storage and management of the hazardous and other wastes, and such occupier shall comply with such directions.

**8. Storage of hazardous and other wastes.-** (1) The occupiers of facilities may store the hazardous and other wastes for a period not exceeding ninety days and shall maintain a record of sale, transfer, storage, recycling, recovery, pre-processing, co-processing and utilisation of such wastes and make these records available for inspection:

Provided that the State Pollution Control Board may extend the said period of ninety days in following cases, namely:-

- (i) small generators (up to ten tonnes per annum) up to one hundred and eighty days of their annual capacity;
- (ii) actual users and disposal facility operators up to one hundred and eighty days of their annual capacity,
- (iii) occupiers who do not have access to any treatment, storage, disposal facility in the concerned State; or
- (iv) the waste which needs to be specifically stored for development of a process for its recycling, recovery, pre-processing, co-processing or utilisation;
- (v) in any other case, on justifiable grounds up to one hundred and eighty days.

**9. Utilisation of hazardous and other wastes.-** (1) The utilisation of hazardous and other wastes as a resource or after pre-processing either for co-processing or for any other use, including within the premises of the generator (if it is not part of process), shall be carried out only after obtaining authorisation from the State Pollution Control Board in respect of waste on the basis of standard operating procedures or guidelines provided by the Central Pollution Control Board.

(2) Where standard operating procedures or guidelines are not available for specific utilisation, the approval has to be sought from Central Pollution Control Board which shall be granting approval on the basis of trial runs and thereafter, standard operating procedures or guidelines shall be prepared by Central Pollution Control Board:

Provided, if trial run has been conducted for particular waste with respect to particular utilisation and compliance to the environmental standards has been demonstrated, authorisation may be granted by the State Pollution Control Board with respect to the same waste and utilisation, without need of separate trial run by Central Pollution Control Board and such cases of successful trial run, Central Pollution Control Board shall intimate all the State Pollution Control Board regarding the same.

(3) No trial runs shall be required for co-processing of waste in cement plants for which guidelines by the Central Pollution Control Board are already available; however, the actual users shall

ensure compliance to the standards notified under the Environment (Protection) Act, 1986 (29 of 1986), for cement plant with respect to co-processing of waste:

Provided that till the time the standards are notified, the procedure as applicable to other kind of utilisation of hazardous and other waste, as enumerated above shall be followed.

**10. Standard Operating Procedure or guidelines for actual users.-** The Ministry of Environment, Forest and Climate Change or the Central Pollution Control Board may issue guidelines or standard operating procedures for environmentally sound management of hazardous and other wastes from time to time.

### **CHAPTER III**

#### **IMPORT AND EXPORT OF HAZARDOUS AND OTHER WASTES**

**11. Import and export (transboundary movement) of hazardous and other wastes.-** The Ministry of Environment, Forest and Climate Change shall be the nodal Ministry to deal with the transboundary movement of the hazardous and other wastes in accordance with the provisions of these rules.

**12. Strategy for Import and export of hazardous and other wastes.-** (1) No import of the hazardous and other wastes from any country to India for disposal shall be permitted.

(2) The import of hazardous and other wastes from any country shall be permitted only for recycling, recovery, reuse and utilisation including co-processing.

(3) The import of hazardous waste in Part A of Schedule III may be allowed to actual users with the prior informed consent of the exporting country and shall require the permission of the Ministry of Environment, Forest and Climate Change.

(4) The import of other wastes in Part B of Schedule III may be allowed to actual users with the permission of the Ministry of Environment, Forest and Climate Change.

(5) The import of other wastes in Part D of Schedule III will be allowed as per procedure given in rule 13 and as per the note below the said Schedule.

(6) No import of the hazardous and other wastes specified in Schedule VI shall be permitted.

(7) The export of hazardous and other wastes from India listed in Part A and Part B of Schedule III and Schedule VI shall be with the permission of Ministry of Environment, Forest and Climate Change. In case of applications for export of hazardous and other waste listed in Part A of Schedule III and Schedule VI, they shall be considered on the basis of prior informed consent of the importing country.

(8) The import and export of hazardous and other wastes not specified in Schedule III, but exhibiting the hazardous characteristics outlined in Part C of Schedule III shall require prior written permission of the Ministry of Environment, Forest and Climate Change before it is imported to or exported from India, as the case may be.

**13. Procedure for import of hazardous and other wastes.-** (1) Actual users intending to import or transit for transboundary movement of hazardous and other wastes specified in Part A and Part B of Schedule III shall apply in **Form 5** along with the documents listed therein, to the Ministry of Environment, Forest and Climate Change for the proposed import together with the prior informed consent of the exporting country in respect of Part A of Schedule III waste, and shall send a copy of the application, simultaneously, to the concerned State Pollution Control Board for information and the acknowledgement in this respect from the concerned State Pollution Control Board shall be submitted to the Ministry of Environment, Forest and Climate Change along with the application.

(2) For the import of other wastes listed in Part D of Schedule III, the importer shall not require the permission of the Ministry of Environment, Forest and Climate Change. However, the importer shall furnish the required information as per **Form 6** to the Customs authorities, accompanied with the following documents in addition to those listed in Schedule VIII, wherever applicable. For used electrical and electronic assemblies listed at serial numbers 4 (e) to 4(i) of Schedule VIII (Basel No. B1110), there is no specific requirement of documentation under these rules:

- (a) the import license from Directorate General of Foreign Trade, if applicable;
- (b) the valid consents under the Water (Prevention and Control of Pollution) Act, 1974 (25 of 1974) and the Air (Prevention and Control of Pollution) Act, 1981 (21 of 1981) and the authorisation under these rules as well as the authorisation under the E-Waste (Management and Handling) Rules, 2011, as amended from time to time, whichever applicable;
- (c) importer who is a trader, importing waste on behalf of actual users, shall obtain one time authorisation in **Form 7** and copy of this authorisation shall be appended to **Form 6**.

(3) For Part B of Schedule III, in case of import of any used electrical and electronic assemblies or spares or part or component or consumables as listed under Schedule I of the E-Waste (Management and Handling) Rules, 2011, as amended from time to time, the importer need to obtain extended producer responsibility-authorisation as producer under the said E-Waste (Management and Handling) Rules, 2011.

(4) Prior to clearing of consignment of wastes listed in Part D of Schedule III, the Custom authorities shall verify the documents as given in column (3) of Schedule VIII.

(5) On receipt of the complete application with respect to Part A and Part B of Schedule III, the Ministry of Environment, Forest and Climate Change shall examine the application considering the comments and observations, if any, received from the State Pollution Control Boards, and may grant the permission for import within a period of sixty days subject to the condition that the importer has -

- (i) the environmentally sound facilities;
- (ii) adequate arrangements for treatment and disposal of wastes generated;
- (iii) a valid authorisation and consents from the State Pollution Control Board;
- (iv) prior informed consent from the exporting country in case of Part A of Schedule III wastes.

(6) The Ministry of Environment, Forest and Climate Change shall forward a copy of the permission to the concerned Port and Customs authorities, Central Pollution Control Board and the concerned State Pollution Control Board for ensuring compliance with respect to their respective functions given in Schedule VII.

(7) The importer of the hazardous and other wastes shall maintain records of the hazardous and other waste imported by him in **Form 3** and the record so maintained shall be made available for inspection.

(8) The importer of the hazardous and other wastes shall file an annual return in **Form 4** to the State Pollution Control Board on or before the 30<sup>th</sup> day of June following the financial year to which that return relates.

(9) Samples of hazardous and other wastes being imported for testing or research and development purposes up to 1000 gm or 1000 ml shall be exempted from need of taking permission for import under these rules.

(10) The Port and Customs authorities shall ensure that shipment is accompanied with the movement document as given in **Form 6** and the test report of analysis of the waste, consignment, wherever applicable, from a laboratory accredited or recognised by the exporting country. In case of any doubt, the customs may verify the analysis.

**14. Procedure for Export of hazardous and other wastes from India.-** (1) Any occupier intending to export waste specified in Part A of Schedule III, Part B of Schedule III and Schedule VI, shall make an application in **Form 5** along with insurance cover to the Ministry of Environment, Forest and Climate Change for the proposed transboundary movement of the hazardous and other wastes together with the prior informed consent in writing from the importing country in respect of wastes specified in Part A of Schedule III and Schedule VI.

(2) On receipt of an application under sub-rule (1), the Ministry of Environment, Forest and Climate Change may give permission for the proposed export within a period of sixty days from the date of submission of complete application and may impose such conditions as it may consider necessary.

(3) The Ministry of Environment, Forest and Climate Change shall forward a copy of the permission granted under sub-rule (2) to the State Pollution Control Board of the State where the waste is generated and the Pollution Control Board of the State where the port of export is located and the concerned Port and Customs authorities for ensuring compliance of the conditions of the export permission.

(4) The exporter shall ensure that no consignment is shipped before the prior informed consent is received from the importing country, wherever applicable.

(5) The exporter shall also ensure that the shipment is accompanied with movement document in **Form 6**.

(6) The exporter of the hazardous and other wastes shall maintain the records of the hazardous or other waste exported by him in **Form 3** and the record so maintained shall be available for inspection.

**15. Illegal traffic.-** (1) The export and import of hazardous or other wastes from and into India, respectively shall be deemed illegal, if,-

- (i) it is without permission of the Central Government in accordance with these rules; or
- (ii) the permission has been obtained through falsification, mis-representation or fraud; or
- (iii) it does not conform to the shipping details provided in the movement documents; or



- (iv) it results in deliberate disposal (i.e., dumping) of hazardous or other waste in contravention of the Basel Convention and of general principles of international or domestic law.

(2) In case of illegal import of the hazardous or other waste, the importer shall re-export the waste in question at his cost within a period of ninety days from the date of its arrival into India and its implementation will be ensured by the concerned Port and the Custom authority. In case of disposal of such waste by the Port and Custom authorities, they shall do so in accordance with these rules with the permission of the Pollution Control Board of the State where the Port exists.

(3) In case of illegal import of hazardous or other waste, where the importer is not traceable then the waste either can be sold by the Customs authority to any user having authorisation under these rules from the concerned State Pollution Control Board or can be sent to authorised treatment, storage and disposal facility.

## **CHAPTER - IV**

### **TREATMENT, STORAGE AND DISPOSAL FACILITY FOR HAZARDOUS AND OTHER WASTES**

**16. Treatment, storage and disposal facility for hazardous and other wastes.-** (1) The State Government, occupier, operator of a facility or any association of occupiers shall individually or jointly or severally be responsible for identification of sites for establishing the facility for treatment, storage and disposal of the hazardous and other waste in the State.

(2) The operator of common facility or occupier of a captive facility, shall design and set up the treatment, storage and disposal facility as per technical guidelines issued by the Central Pollution Control Board in this regard from time to time and shall obtain approval from the State Pollution Control Board for design and layout in this regard.

(3) The State Pollution Control Board shall monitor the setting up and operation of the common or captive treatment, storage and disposal facility, regularly.

(4) The operator of common facility or occupier of a captive facility shall be responsible for safe and environmentally sound operation of the facility and its closure and post closure phase, as per guidelines or standard operating procedures issued by the Central Pollution Control Board from time to time.

(5) The operator of common facility or occupier of a captive facility shall maintain records of hazardous and other wastes handled by him in **Form 3**.

(6) The operator of common facility or occupier of a captive facility shall file an annual return in **Form 4** to the State Pollution Control Board on or before the 30<sup>th</sup> day of June following the financial year to which that return relates.

## CHAPTER - V

### PACKAGING, LABELLING, AND TRANSPORT OF HAZARDOUS AND OTHER WASTES.

**17. Packaging and Labelling.-** (1) Any occupier handling hazardous or other wastes and operator of the treatment, storage and disposal facility shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time. The labelling shall be done as per **Form 8**.

(2) The label shall be of non-washable material, weather proof and easily visible.

**18. Transportation of hazardous and other wastes.-** (1) The transport of the hazardous and other waste shall be in accordance with the provisions of these rules and the rules made by the Central Government under the Motor Vehicles Act, 1988 and the guidelines issued by the Central Pollution Control Board from time to time in this regard.

(2) The occupier shall provide the transporter with the relevant information in **Form 9**, regarding the hazardous nature of the wastes and measures to be taken in case of an emergency and shall label the hazardous and other wastes containers as per **Form 8**.

(3) In case of transportation of hazardous and other waste for final disposal to a facility existing in a State other than the State where the waste is generated, the sender shall obtain 'No Objection Certificate' from the State Pollution Control Board of both the States.

(4) In case of transportation of hazardous and other waste for recycling or utilisation including co-processing, the sender shall intimate both the State Pollution Control Boards before handing over the waste to the transporter.

(5) In case of transit of hazardous and other waste for recycling, utilisation including co-processing or disposal through a State other than the States of origin and destination, the sender shall give prior intimation to the concerned State Pollution Control Board of the States of transit before handing over the wastes to the transporter.

(6) In case of transportation of hazardous and other waste, the responsibility of safe transport shall be either of the sender or the receiver whosoever arranges the transport and has the necessary authorisation for transport from the concerned State Pollution Control Board. This responsibility should be clearly indicated in the manifest.

(7) The authorisation for transport shall be obtained either by the sender or the receiver on whose behalf the transport is being arranged.

**19. Manifest system (Movement Document) for hazardous and other waste to be used within the country only.-** (1) The sender of the waste shall prepare seven copies of the manifest in **Form 10** comprising of colour code indicated below and all seven copies shall be signed by the sender:

Copy number with colour code	Purpose
(1)	(2)
<b>Copy 1 (White)</b>	To be forwarded by the sender to the State Pollution Control Board after signing all the seven copies.
<b>Copy 2 (Yellow)</b>	To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the transporter.
<b>Copy 3 (Pink)</b>	To be retained by the receiver (actual user or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are to be duly signed by the receiver.
<b>Copy 4 (Orange)</b>	To be handed over to the transporter by the receiver after accepting waste.
<b>Copy 5 (Green)</b>	To be sent by the receiver to the State Pollution Control Board.
<b>Copy 6 (Blue)</b>	To be sent by the receiver to the sender.
<b>Copy 7 (Grey)</b>	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

(2) The sender shall forward copy 1 (white) to the State Pollution Control Board, and in case the hazardous or other wastes is likely to be transported through any transit State, the sender shall intimate State Pollution Control Boards of transit States about the movement of the waste.

(3) No transporter shall accept waste from the sender for transport unless it is accompanied by signed copies 3 to 7 of the manifest.

(4) The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the receiver along with the waste consignment.

(5) The receiver after acceptance of the waste shall hand over copy 4 (orange) to the transporter and send copy 5 (green) to his State Pollution Control Board and send copy 6 (blue) to the sender and the copy 3 (pink) shall be retained by the receiver.

(6) The copy 7 (grey) shall only be sent to the State Pollution Control Board of the sender, if the sender is in another State.

## CHAPTER VI MISCELLANIOUS

**20. Records and returns.-** (1) The occupier handling hazardous or other wastes and operator of disposal facility shall maintain records of such operations in **Form 3**.

(2) The occupier handling hazardous and other wastes and operator of disposal facility shall send annual returns to the State Pollution Control Board in **Form 4**.

(3) The State Pollution Control Board based on the annual returns received from the occupiers and the operators of the facilities for disposal of hazardous and other wastes shall prepare an annual inventory of the waste generated; waste recycled, recovered, utilised including co-processed; waste re-exported and waste disposed and submit to the Central Pollution Control Board by the 30<sup>th</sup> day of September every year. The State Pollution Control Board shall also prepare the inventory of hazardous waste generators, actual users, and common and captive

disposal facilities and shall submit the information to Central Pollution Control Board every two years.

(4) The Central Pollution Control Board shall prepare the consolidated review report on management of hazardous and other wastes and forward it to the Ministry of Environment, Forest and Climate Change, along with its recommendations before the 30<sup>th</sup> day of December once in every year.

**21. Responsibility of authorities.** - The authority specified in column (2) of Schedule VII shall perform the duties as specified in column (3) of the said Schedule subject to the provisions of these rules.

**22. Accident reporting.** - Where an accident occurs at the facility of the occupier handling hazardous or other wastes and operator of the disposal facility or during transportation, the occupier or the operator or the transporter shall immediately intimate the State Pollution Control Board through telephone, e-mail about the accident and subsequently send a report in **Form 11**.

**23. Liability of occupier, importer or exporter and operator of a disposal facility.-**

(1) The occupier, importer or exporter and operator of the disposal facility shall be liable for all damages caused to the environment or third party due to improper handling and management of the hazardous and other waste.

(2) The occupier and the operator of the disposal facility shall be liable to pay financial penalties as levied for any violation of the provisions under these rules by the State Pollution Control Board with the prior approval of the Central Pollution Control Board.

**24. Appeal.-** (1) Any person aggrieved by an order of suspension or cancellation or refusal of authorisation or its renewal passed by the State Pollution Control Board may, within a period of thirty days from the date on which the order is communicated to him, prefer an appeal in **Form 12** to the Appellate Authority, namely, the Environment Secretary of the State.

(2) The Appellate Authority may entertain the appeal after expiry of the said period of thirty days, if it is satisfied that the appellant was prevented by sufficient cause from filing the appeal in time.

(3) Every appeal filed under this rule shall be disposed of within a period of sixty days from the date of its filing.

## **SCHEDULE I**

*[See rule 3 (1) (17) (i)]*

### **List of processes generating hazardous wastes**

<b>S.No.</b>	<b>Processes</b>	<b>Hazardous Waste*</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>
1.	Petrochemical processes and pyrolytic operations	1.1 Furnace or reactor residue and debris 1.2 Tarry residues and still bottoms from distillation 1.3 Oily sludge emulsion 1.4 Organic residues 1.5 Residues from alkali wash of fuels