

PART - D

HAZARDOUS WASTES

As Specified under Hazardous Wastes (Management and Handling) Rules, 1989

<i>HAZARDOUS WASTES</i>	<u>TOTAL QUANTITY</u>			
	<i>During the Previous financial year (Apr'16--Mar'17)</i>		<i>During the Current financial Year (Apr'17--Mar'18)</i>	
a) From Process	Resin Waste	0.269 MT	Resin Waste	0.234 MT
	Paint Waste	0.121 MT	Paint Waste	0.089 MT.
	Empty Hazardous Container (MS & - PVC)	1.0133 MT	Empty Hazardous Container (MS & - PVC) -	1.43545 MT
	Empty Coloured Bag	0.33755 MT	Empty Coloured Bags -	0.3825 MT
	Waste Solvent -	0.715 MT	Waste Solvent -	0.668MT
b) From Pollution Control facility	ETP Sludge	0.665 MT	ETP Sludge -	0.704MT

PART - E
SOLID WASTES

<i>SOLID WASTES</i>	<u>TOTAL QUANTITY</u>	
	<i>During the Previous financial Year (Apr'16--Mar'17)</i>	<i>During the Current financial Year (Apr'17--Mar'18)</i>
a) From Process	Plastic, Paper Bag & Damage Cartoon - 199.0 MT	Plastic, Paper Bag & Damage Cartoon -- 223.0MT
b) From Pollution control facility	Nil	Nil
c) 1) Quantity recycled or reutilized within the Unit	Nil	Nil
2) Sold	Nil	Nil
3) Disposed	Plastic, Paper Bag & Damage Cartoon -- 199.0 MT	Plastic, Paper Bag & Damage Cartoon - 223.0 MT

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PART - F

Please specify the characterization (in terms of composition and quantum of hazardous as well as Solid wastes) and indicate disposal practice adapted for both of these categories of wastes.

➤ **HAZARDOUS WASTES** :- The composition & quantum of Hazardous Wastes generated by the unit during March' 2017- April' 2018 are as follows :-

- | | |
|---|------------|
| a) ETP Sludge – | 0.704 MT |
| b) Resin Waste - | 0.234 MT |
| c) Paint Waste - | 0.089 MT. |
| d) Empty Hazardous Container (MS & - PVC) | 1.43545 MT |
| e) Empty Coloured Bags - | 0.3825 MT |
| f) Waste Solvent - | 0.668MT |

STORAGE & DISPOSAL METHOD :- 1.**ETP Sludge (Waste Category no. 35.3)** is kept in RCC Pit within the Sludge Drying Bed in the ETP area within the plant premises & disposed through **M/s.West Bengal Waste Management Limited.(Ramky Division)** .Total disposal quantity of ETP Sludge is 0.694 MT during Apr'17- Mar'18 . Stock quantity as on 31.03.2018 is **0.049 MT**. 2.**Paint Waste /Process Waste (Waste Category no. 21.1)** are kept in closed barrel under the shed & disposed through **M/s.West Bengal Waste Management Limited.(Ramky Division)**. Total disposal quantity of Paint Waste /Process Waste is 0.093 MT during Apr'17- Mar'18 . Stock quantity as on 31.03.2018 is **0.004 MT**. 3.**Empty Hazardous Container (MS & PVC) (Waste Category no. 33.3)** are stacked and only after properly decontamination & the resultant effluent to be treated in the existing ETP. Cleaned & decontaminated Containers are disposed through **M/s.West Bengal Waste Management Limited.(Ramky Division)** . Total disposal quantity of **Empty Hazardous Container** is 1.387 MT during Apr'17- Mar'18 . Stock quantity as on 31.03.2018 is **0.090 MT** .4.**Spent Solvent/Resin Waste (Waste Category no. 20.2)** kept in Drums & finally disposed through **M/s.West Bengal Waste Management Limited.(Ramky Division)**. Total disposal quantity of **Spent Solvent/Resin Waste** is 0.238MT during Apr'17- Mar'18 . Stock quantity as on 31.03.2018 is **0.012 MT**. 5. **Waste Solvent (Waste Category no.28.5)** are kept in Drums & disposed through **M/s.West Bengal Waste Management Limited.(Ramky Division)**. Total disposal quantity of **Waste Solvent** is 0.778 MT during Apr'17- Mar'18. Stock quantity as on 31.03.2018 is **NIL**.

As Per **Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016**, **M/s. Almega Paints Private Ltd** applied for the renewal of Hazardous Waste authorization to WMC, WBPCB Office on **07th April,2014**, along authorization fees of **Rs.9,750/-** deposited to UBI Old Court House Street branch on **11.03.2014**. & they have get Authorization letter vide Memo no- **109/2S(HW)-297/2014**, dated **29.08.2014** & was valid upto **31.08.2015**.WBPCB further extended the validity of authorization letter for the period upto **30.04.2019**, vide Memo no **49/2S(HW)-2971/2014** ,date-**14.03.2018**.

➤ The unit also displayed the “**Environmental Information Board**” both in Bengali and English attached main gate outside the factory premises. The photograph of the same was submitted to WMC. WBPCB Office on every year as per order of the Hon'ble Supreme Court dated **14.10.2003. W.P.(C) No. 657 of 1995**.They also maintained “**Registered Book**” regarding stock & disposal of Hazardous Waste Authorization.

➤ The unit also submitted Annual Return of Hazardous Waste in prescribed **Form - 4** for the period **Apr'2016 - Mar'2017** to WMC, WBPCB office on **18th May, 2018**.

B. SOLID WASTES : The Composition and quantum of Solid Wastes generated during April' 2017– March' 2018 is follows :- .

- a) Plastic, Paper,& Damage Cartoon – **223.0 MT**.

DISPOSAL METHOD : The Plastic, Paper Bag & Damage Cartoon are disposed to outside authorized agency.

PART – G

Impact of Pollution Control measures taken on conservation of natural resources and on the cost of production.

- **M/s. Almega Paints Private Ltd** have 2 Nos. Thermic Fluid Heater (Capacity-6,00,000 Kcal/hr), with 2 separate stack , 2 Nos. 160 KVA standby D.G. Set & 1No.400 KVA standby D.G. Set for an interrupted power supply having permanent stack provided with suitable ladder, platform & sampling porthole as per the **Emission Regulations Part-III of CPCB**.
- The Unit has applied for renewal of "**Consent to Operate**" application form along with annexure ,documents, test report etc. & a consent fess of **Rs. 4,22,500.00** (Rupees Four Lacs twenty two thousand five hundred only) on line RTGS payment vide transduction Ref No - LUBI5921879367 , Date - 29.12.2017 and finally along with deposited 3rd copy of bank challan & other documents (on-line **CFO application no co0000000190358**) submitted at W.B. Pollution Control Board , Howrah Regional office on **29.12.2017**. The unit have got "**Consent Letter**" under section 25 &26 of the Water (Prevention and Control of Pollution) Act,1974 and Section 21 of the Air (Prevention and Control of Pollution) Act,1981 vide Consent letter no- **CO113427**,Memo no-**C037/01-PCB/HOW/132-2010, Dated 30.01.2018**. The said consent will **valid up to 31.12.2022**, as the unit falls under **Red Category**.
- As per Hazardous Waste generating unit vide Order No. - **2083/6C-1/ 2007**, dated. **24 August, 2010**, effective from financial year **2010 - 2011**, vide Code No. - **2104784** under the provision of Sub-Section (2) of Section (1) of the **Water (Prevention and Control of Pollution) Cess (Amendment) Act, 2003** the unit pay Water Cess (revised rate) of **Rs. 6,000/- (Rupees Six Thousand Only)** to SBI Specialized Industrial Banking Branch on **17th April, 2015**. for the **period from 01.04.2015 to 31.03.2018**.vide **WBPCB ,Howrah Regional Office letter , Memo no- 017/4-PCB/How/132-2010(Part File) Date- 07.04.2015** .The deposited 3rd copy of bank challan submitted to **W.B. Pollution Control Board ,Howrah Regional Office Office on 21st April,2015**.
- **M/s. Almega Paints Private Ltd** celebrates **World Environment Day (5th June)** every year. In this connection, last year the function started with World Environment Day pledge being administered by General Manager to all officers & staff of plant. Tree plantation, environment related quiz programme, sit and draw competition and display of environment related banners at the prominent places within factory premises is also held to observe the day. .

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PART - H

Additional investment proposal for environmental protection including abatement of pollution

- The mill has Bring down about **33% of the open land area available** under the green coverage/ plant
- As per the **National Ambient Air Quality emission standard issued by MoEF, GoI vide G.S.R. no. 826 (E) dated 16th November,2009** , the unit monitored the Ambient Air quality standard in and around the factory premises on quarterly basis. The unit also monitored **gaseous emission level /Fugitive Emission** at different places inside the factory premises as per guideline of **MoEF, GOI**. The report of Ambient Air quality, Fugitive Emission, Drinking water & stack emission report submitted at MOEF ,Eastern Regional office at Bhubaneswar.
- The following additional measures has been taken in the present ETP to increase the effectiveness of the plant
 1. The resin effluent was collected in 200L barrel in the Resin Plant and brought it to ETP manually. A 5 kl concrete storage tank is built near the ETP and the effluent is collected from Resin Dept. in to the tank directly by Pipeline.
 2. Second aeration tank with a clarifier is built to increase the effectiveness of the plant further.
 3. A mixing tank is created where all the streams of effluents are mixed proportionately to control the initial COD .Total investment is Rs 6 lacs.
 4. Replace/ up gradation of new pump in the ETP area with a cost of Rs, 2.5 lacs approx.
- Higher capacity motor & Air Blowers was installed (2 no) to decrease the aeration time & better reaction in Aeration tank
- The unit also followed standards/ guidelines for control of Noise from D.G.Sets prescribed under the notification of **MoEF, GOI vide G.S.R. no. 371 (E),[17/5/2002]** and its amendment made thereafter. **dated 16th November,2004. (The details report shown iv Annexure-II).**
- Regular monitored of **ETP (Effluent Treatment Plant)** carried out by the unit with WBPCB recognized laboratory & strictly followed the WBPCB standard of waste water as per consent letter issued by WBPCB.

PART - I

Any other particulars in respect of environmental protection and abatement of pollution.

- Any constructive suggestion for improving the quality of environment from W.B. Pollution Control Board, the Company will always give priority to make them properly.

ANNEXURE-II

SUMMARY OF STACK SAMPLING ANALYSIS REPORT

(Report Ref. No.:- 2017-18/EEPL/MON/1313-14 & 1319 -1321 , Dated 29.01.2018, carried out by M/s. Envirotech East Pvt. Limited)

	Avg. Flue Gas Vol. (NM ³ /hr.)	Conc. of SO ₂ (mg/NM ³)	Conc. of PM. (mg/NM ³)
(i) Thermic Fluid Heater No-1	4919.0	32.0	63.0
(ii) Thermic Fluid Heater No-2	4483.0	36.0	57.0
(iii) 160 KVA D.G.SET No-1	501.0	42.0	59.0
(iv) 160 KVA D.G.SET No-2	491.0	36.0	42.0
(v) 400 KVA D.G.SET	525.0	51.0	78.0

SUMMARY OF EFFLUENT WATER ANALYSIS REPORT

(Report Ref. No.:-2017-18/EEPL/MON/1317 , Dated 29.01.2018, carried out by M/s. Envirotech East Pvt. Limited)

<u>Parameters</u>	<u>Value</u>	<u>Unit</u>
p ^H	6.7	--
Total Suspended Solids (TSS)	63.0	mg/l
Chemical Oxygen Demand (COD)	130.0	mg/l
Bio – Chemical Oxygen Demand (BOD) (For 3 days at 27 ⁰ C)	24.0	mg/l
Oil & Grease (O & G)	4.0	mg/l
Hexavalent Chromium (Cr ⁺⁶)	*BDL	mg/l
Lead(Pb)	*BDL	mg/l
Nickel(Ni)	0.3	mg/l
Chromium(Cr)	0.8	mg/l
Copper(Cu)	1.2	mg/l
Zinc(Zn)	2.4	mg/l
Phenolic Compound(C ₆ H ₅ OH)	0.3	mg/l

Note:- *BDL - Below Detectable Limit

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ANNEXURE-II

SUMMARY OF NOISE LEVEL MEASUREMENT REPORT

(Report Ref. No.:-2017-18/EEPL/MON/1315 , Dated 29.01.2018, carried out by M/s. Envirotech East Pvt. Limited)

<u>Parameters</u>	Equivalent Noise Intensity Level L_{eq} dB(A)	Permissible Standard
1. Near Factory Main Gate	63.8	75 dB(A)
2. Resin Plant	62.4	-DO-
3. Solvent Plant	60.9	-DO-
4. BSR Area	61.3	-DO-
5. Near D.G.Set.	64.2	-DO-
