

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'15--Mar'16)</i>		<i>During the Current financial Year (Apr'16--Mar'17)</i>	
a) From Process	Resin Waste	0.257 MT	Resin Waste	0.269 MT
	Paint Waste	0.085 MT	Paint Waste	0.121 MT.
	Empty Hazardous Container (MS & - PVC)	2.0 MT	Empty Hazardous Container (MS & - PVC) -	1.0133 MT
	Empty Coloured Bags	Nil	Empty Coloured Bags -	0.33755 MT
	Waste Solvent -	Nil	Waste Solvent -	0.715 MT
b) From Pollution Control facility	ETP Sludge	0.687 MT	ETP Sludge -	0.665 MT

PART - E
SOLID WASTES

<i>SOLID WASTES</i>	<u>TOTAL QUANTITY</u>	
	<i>During the Previous financial Year (Apr'15--Mar'16)</i>	<i>During the Current financial Year (Apr'16--Mar'17)</i>
a) From Process	Plastic, Paper,& Damage Cartoon – 189.0 MT	Plastic, Paper,& Damage Cartoon - 199.0MT
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,& Damage Cartoon – 189.0 MT	Plastic, Paper,& Damage Cartoon – 199.0 MT

Contd.....P/7

PART - F

Please specify the characterisation (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' 2016- April' 2017 are as follows :-

a) ETP Sludge –	0.665 MT
b) Resin Waste -	0.269 MT
c) Paint Waste -	0.121 MT.
d) Empty Hazardous Container (MS & - PVC)	1.0133 MT
e) Empty Coloured Bags -	0.33755 MT
f) Waste Solvent -	0.715 MT

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 0.626 MT during Apr'16- Mar'17 . Stock quantity as on 31.03.2017 is **0.039 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 0.113 MT during Apr'16- Mar'17 . Stock quantity as on 31.03.2017 is **0.008 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 0.97225 MT during Apr'16- Mar'17 . Stock quantity as on 31.03.2017 is **0.04105 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 0.253 MT during Apr'16- Mar'17 . Stock quantity as on 31.03.2017 is **0.016 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 0.605 MT during Apr'16- Mar'17 . Stock quantity as on 31.03.2017 is **0.11 MT**.

As Per **Hazardous Wastes (Management & 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 **31.12.2017, vide Memo no 132/2S(HW)-2971/2014 ,date-09.10.2015**.

➤ 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 **21st June, 2017**.

B. SOLID WASTES : The Composition and quantum of Solid Wastes generated during April' 2016– March' 2017 is follows :- .

a) Plastic, Paper,& Damage Cartoon – **199.0 MT**.

DISPOSAL METHOD : The Plastic, Paper,& 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 un 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. & they have got “**Consent Letter**” vide Consent letter no- **CO109021**,Memo no-**C003/03-PCB/HOW/132-2010**, Dated **06.03.2017**, valid upto **31.12.2017**, 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**.

Contd.....P/9

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 lacks.
- Higher capacity motor & Air Blowers will be installed (2 no) to decrease the aeration time; in the next financial year thus increase the efficiency of the ETP. Total cost of investment will be approximately Rs 1.0 lakhs.
- 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.

Contd.....P/10

ANNEXURE-II

SUMMARY OF STACK SAMPLING ANALYSIS REPORT

(Report Ref. No.: -SRL/APPL/EMI/S-244 – 248 /2016 , Dated 30.12.2016, carried out by M/s. Scientific Research Laboratory.)

	Avg. Flue Gas Vol. (NM ³ /hr.)	Conc. of SO ₂ (mg/NM ³)	Conc. of P.M. (mg/NM ³)
(i) Thermic Fluid Heater No-1	2045.64	71.29	62.64
(ii) Thermic Fluid Heater No-2	2045.64	82.56	56.85
(iii) 160 KVA D.G.SET No-1	476.26	94.64	44.34
(iv) 160 KVA D.G.SET No-1	415.06	88.76	47.06
(v) 160 KVA D.G.SET No-1	477.97	103.03	63.59

SUMMARY OF EFFLUENT WATER ANALYSIS REPORT

(Report Ref. No.: -WW- 463- 2016 , Dated 03.01.2017, carried out by M/s. Scientific Research Laboratory)

<u>Parameters</u>	<u>Value</u>	<u>Unit</u>
p ^H	7.11	--
Total Suspended Solids (TSS)	<2.0	mg/l
Chemical Oxygen Demand (COD)	47.0	mg/l
Bio – Chemical Oxygen Demand (BOD) (For 3 days at 27 ⁰ C)	12.0	mg/l
Oil & Grease (O & G)	<5.0	mg/l
Hexavalent Chromium (Cr ⁺⁶)	<0.01	mg/l
Lead(Pb)	<0.1	mg/l
Nickel(Ni)	<0.05	mg/l
Total Chromium(Cr)	<0.05	mg/l
Total Copper(Cu)	<0.05	mg/l
Zinc(Zn)	0.019	mg/l
Phenolic Compound(C ₆ H ₅ OH)	<0.001	mg/l
Total Metal	0.019	mg/l

Contd.....P/11

ANNEXURE-II

SUMMARY OF NOISE LEVEL MEASUREMENT REPORT

(Report Ref. No.:-ANQ-344-2016 , Dated 28.12.2016, carried out by M/s. Scientific Research Laboratory)

<u>Parameters</u>	<u>L_{max} dB(A)</u>	<u>L_{min} dB(A)</u>	Equivalent Noise Intensity Level <u>L_{eq} dB(A)</u>
1. In front of Resin Plant (Compressor closed condition)	60.3	56.2	57.65
2. In front of Solvent Based Plant	49.3	48.2	48.85
3. In front of Water Based Plant	52.2	46.5	50.01
4. In front of Main Gate	53.8	50.4	51.93
