



O/C

**BEIL INFRASTRUCTURE LIMITED**  
(formerly known as Bharuch Enviro Infrastructure Limited)

Ref: BEIL/ANK/2022-23/25

Date: 07.06.2022  
PCB ID # 14983

To,  
The Member Secretary  
Gujarat Pollution Control Board  
Paryavaran Bhavan  
Sector -- 10 / A,  
Gandhinagar -- 382 010

08/06/2022  
Gujarat Pollution Control Board  
Head Office  
Sector No. 10-A,  
Gandhinagar-382010

Dear Sir,

Sub: - Environmental Statement for the year 2021- 2022

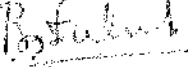
We are forwarding herewith Environmental Statement for our TSDF Facility (Common Secured Landfill Facility, Common Incinerator Facility & Multi Effect Evaporator Facility) situated at BEIL INFRASTRUCTURE LIMITED, Plot No. 9701-9716, G.I.D.C. Estate, Ankleshwar -- 393 002, Dist. Bharuch, for the year 2021-2022.

We got CCA renewal vide order no. AWH-89137 on date 02.11.2017 and is valid up to 31.07.2022.

We hope that the above is in order.

Thanking you.

Yours faithfully,  
For. **BEIL Infrastructure Limited**

  
Mr. B. D. Dalwadi  
(Chief Executive Officer)

Encl : a/a  
CC : The Regional Officer  
Gujarat Pollution Control Board  
Ankleshwar

RECEIVED  
Gujarat Pollution Control Board,  
R.O. Ankleshwar  
Date: 9/6/2022

## ENVIRONMENTAL STATEMENT

**Environmental Statement for the financial year ending 31<sup>st</sup> March 2022**

### PART - A

01	Name and address of the owner / occupier of the industry / operation or process		Chairman – Mr. Rajjubhai D. Shroff Director – Mr. Ashok Panjwani Operator – Mr. B.D. Dalwadi		
			BEIL INFRASTRUCTURE LIMITED 9701 – 9716, GIDC Estate, Ankleshwar – 393 002		
02	Industry Category	Primary – STC Code	-		
		Secondary – SIC Code	-		
03	Production capacity	Units	<b>NO.</b>	<b>Product</b>	<b>Capacity</b>
			<b>1</b>	Secured landfill site	34,58,000 MT (Cell-1 &: 23,00,000 MT (Closed)) ( Cell-3: 14,58,000 MT (operational))
			<b>2</b>	Incineration Facility along with heat recovery system	1) First incinerator- 6.5 million Kcal/Hr (60 MTD) 2) Second incinerator- 6.5 Million Kcal/Hr (60 MTD)
			<b>3</b>	Multi Effective Evaporator System (Integrated with incinerator)	15 MT/Hr.
			<b>4</b>	Plastic Granules (Recyclable)	75 MT/M
			<b>5</b>	Processing of plastic waste to reuse as RDF	100 MT/M
			<b>6</b>	Drum-Decontamination and disposal system	1,08,000 Nos./Year
			<b>7</b>	Pre-Processing facility	Waste mix Liquid – 16,000 MTPA Waste mix Solid – 10,000 MTPA
			<b>8.</b>	E - waste collection, storage, transportation, dismantling and recycling	700 MTPA
04	Year of establishment	Landfill in -1997, 1 <sup>st</sup> Incinerator in – 2005, 2 <sup>nd</sup> Incinerator – 2011, Multiple Effect Evaporator (MEE) – 2012 Plastic recovery plant started in 2016 E-waste plant started in 2020			
05	Date of the last Environmental Statement submitted		29.06.21		

**PART - B**  
**Water and Raw Material Consumption**

**(1) Water consumption m<sup>3</sup> / day**

Water consumption	:	145.53 m <sup>3</sup> /day	
Process	:	57.15 m <sup>3</sup> /day	
Cooling	:	64.24 m <sup>3</sup> /day	
Domestic + Gardening & Landfill construction	:	24.15 m <sup>3</sup> /day	

Sr. No.	Name of Products (*)			Process Water Consumption per unit of product output	
				During the previous financial year	During the current financial year
1.	Sr. No.	Facility	Actual Qty. during the year 2021-22	Note: We are an integrated TSDF site and therefore no production activity expect production of plastic granules takes place at site.	
	1	Secured Land Fill Site (Phase I, II & III)	263020.15 MT		
	2	Common Incineration Facility Along With Heat Recovery System	20258.46 MT		
	3	MEE	71686.02 MT		
	4	Plastic Granules (Recyclable)	332.66 MT		
	5	Processing of Plastic Waste to reuse as RDF	NIL		
	6	Drum Decontamination and Disposal System	20708 Nos.		
	7	Pre-Processing facility	37546.11 MT		
	8	E- waste collection, storage, transportation, dismantling and recycling	311.365 MT		
(*)	Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.				

**(2) Raw Material Consumption**

<i>Sr. No.</i>	<i>Name of Products (*)</i>	<i>Consumption of raw material (in Kgs)</i>	
		<i>During the previous financial year</i>	<i>During the current financial year</i>
1	(Common Secured Landfill Facility & Common Incinerator Facility)	Fly Ash: 3820000 Cement: 9906000 Lime: 3307464 Activated Carbon:30734 Caustic: 7340886	Fly Ash: 5553000 Cement: 8865000 Lime: 2897480 Activated Carbon: 25650 Caustic: 6413415

**PART - C**

**Pollution discharged to environment / unit of output**

(Parameters as specified in the Consent issued)

Sr. No.	Pollution	Quantity of pollutants discharged (Mass/day)	Concentrations of pollutants in discharges (mass / volume)	Percentage of variation from prescribed Standards with reasons
<b>A</b>	Water	<p><b>27169 KL</b> of Leachate collected from Leachate well of Secured landfill facility. Out of this – <b>27129 KL</b> treated in MEE and <b>40 KL</b> is sent to CETP for treatment and disposal during the year.</p> <p><b>29759 KL</b> of Wastewater generated from Scrubber (Bleed) of Incinerator plant. Out of this <b>1238.50 KL</b> send to MEE reused in GCT (quencher) of incinerator plants.</p> <p><b>30949 KL</b> of condensate water generated from Multiple effect evaporation plant. Out of which <b>4890 KL</b> is sent CETP for treatment and disposal.</p>	The Leachate is neutral containing trace organics and impurities. Attached as <b>Annexure_9</b>	Within limit
<b>B</b>	Air	Generated pollutant from Secured landfill & Incinerator plant are negligible.	<p>From Incinerator stacks: SPM &lt; 50 mg/Nm<sup>3</sup> SOx &lt; 200 mg/Nm<sup>3</sup> NOx &lt; 400 mg/Nm<sup>3</sup></p> <p>SPD, Scrubbers, Boiler stack, DG stack Attached as <b>Annexure_10</b></p>	Within limit

**Part – D**  
**Hazardous Waste**

(As specified under Hazardous Waste and other waste (Management, Handling and Transboundary movement) rules- 2016)

Hazardous Wastes		Total Quantity (MT)	
		During the previous financial year 2020-21	During the current financial year 2021-22
<b>A</b>	<b>From Process</b>	(*)	(*)
<b>B</b>	From pollution control facilities (generation)	<b>13281.77 MT Qty Ash</b> generated from Combustion chamber <b>6045.02 MT</b> from dry scrubber (Lime Ash) <b>0.0 MT Non- Hazardous waste</b> <b>12134.01 MT salt</b> generated from MEE plant	<b>14498.55 MT Qty Ash</b> generated from Combustion chamber <b>5553.54 MT</b> from dry scrubber (Lime Ash) <b>0.0 MT Non- Hazardous waste</b> <b>16536.703 MT</b> salt generated from MEE plant
	Quantity re-cycled or re-utilized within the unit	<b>6045.02 MT</b> of Lime ash generated from incinerator used for pre-treatment (stabilization) of Landfill waste. <b>21961 KL</b> of leachate water generated from landfilling treated in MEE plant	<b>5553.540 MT</b> of Lime Ash generated from incinerator used for pre-treatment (stabilization) of Landfill waste. <b>27129 KL</b> of leachate water generated from landfilling treated in MEE plant
	Total quantity disposed of for landfill	<b>243125.41 MT</b>	<b>263020.15 MT</b>
	Total quantity incinerated	<b>22086.327 MT</b>	<b>20258.46 MT</b>
*This is being a TSDF Facility (Common Secured Landfill Facility & Common Incinerator facility), different types of wastes permitted for landfill & Incineration by GPCB, are collected from member industries and disposed at the site.			

**Part – E**  
**Solid Waste**

Solid Wastes		Total Quantity (Kgs)	
		During the previous financial year 2020 – 21	During the current financial year 2021 – 22
a	From Process	(*)	(*)
b	From pollution control facilities	(*)	(*)
c	1) Quantity recycled or re-utilized within the unit		
	(2) Sold		
	(3) Disposed		
(*)	This being a TSDF Facility (Centralized Secured Landfill Facility & Common Incinerator Facility), different types of hazardous wastes permitted by GPCB, are collected from member industries, and disposed at the site landfill, Incineration or MEE as per CPCB guideline.		

## Part – F

**Please specify the characteristics (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.**

M/s. BEIL Infrastructure Limited is having Secured Landfill Facility, Common Incineration System and Multiple Effect Evaporator (MEE) Plant. In developed portion of secured landfill, BEIL INFRASTRUCTURE LIMITED is receiving wastes according to the acceptance criteria for secured landfilling. If waste is not meeting criteria for direct landfilling, necessary treatment like neutralization / stabilization etc are given. Developed portion of secured landfill is covered with soil and layers of liners as per CPCB Guideline. Leachate generated is treated at the MEE/CETP.

BEIL Infrastructure Limited is having a Common Incineration System consisting of rotary kiln, post combustion chamber and air pollution control system. In post combustion chamber, temperature above 1100 °C is maintained. Various types of wastes like liquid organic waste, aqueous waste, solid waste, tarry waste etc are incinerated. The burnt ace generated from Secondary combustion chamber and lime ash generated from the dry scrubber (Bag filter) are disposed at the secured landfill. The bleed water generated from wet scrubber of Incinerator is being sent to CETP for further treatment and disposal. BEIL INFRASTRUCTURE LIMITED has installed the second incinerator with capacity of 6.5 Million K Cal /Hr @ 2.5 MT / Hr along with Heat recovery in month of October 2011 and is in operation.

MEE is in operation for treating high TDS effluent streams from Member industries. We are also treating leachate/scrubber solution in the MEE.

BEIL Infrastructure Limited is sending organic liquid & solid waste for co-processing to M/s Ambuja cement Ltd.- Kodinar. M/s Birla Corporation Ltd.- Chanderia, Rajasthan. M/s Shree Cement Ltd.- Rajasthan. M/s Nuvoco vistas Corporation Ltd., Nimbahera, Rajasthan. M/s Ultratech Cement, Dhar, Madhya Pradesh. M/s JK Cement Works, Mangrol, Nimbharia, Rajasthan. M/s JK Cement Works, Kailashnagar, Nimbharia, Rajasthan, M/s. Ambuja cement Ltd.- Bhatapara, Chattisgarh,. M/s ACC Ltd.- Jamul, Chattisgarh, M/s Ultratech – Neemuch , Madhya Pradesh. M/s Nuvco- Sonidha, Chattisgarh. M/s. Wonder cement Ltd. Chittorgarh, Rajasthan. M/s. J.K. Cement Works, Muddapur, Karnataka for sending pre-process waste for co-processing.



## **Part – G**

### **Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.**

The Company has implemented Environmental Management System Standards ISO 14001:2015 and ISO – 18001:2018 and helped in improving overall environmental condition and Safety of the unit.

This being a TSD Facility (Common Secured Landfill Facility & Common Incinerator Facility), there is no processing activity. We are collecting solid / hazardous wastes from our members and treating & disposing off. We are drawing samples from every truck coming to our site and a Quick Analysis is done for pH, Moisture Content and Organic Content, Paint Filter Liquid Test etc. Also, we are verifying whether waste is uniform and is not having any obnoxious smell. Also, detailed analysis of solid / hazardous waste samples are done at the laboratory. During monsoon period, the site is kept covered. We have also provided a storage facility for keeping the solid / hazardous wastes collected during monsoon. Leachate generated from the landfill is sent to in house MEE /CETP for treatment.

During the year, we have provided top coverage for the developed and utilized portion of the landfill. The liner system provided for the top coverage is as per the Criteria for Hazardous Waste Landfills published by CPCB in 2000. At the top of the cover, vegetative cover is also provided

Existing Land Filling Site (Phase –I): Top cover landscape work completed.

Expanded new Land Filling Site (Phase –II): final closure of Cell-1, Cell-2, Cell-3, Cell-4 (part), Cell-5 (part), Cell-6 (part), Cell-8 (part), Cell-7 (part), Cell-9 (part), Cell-10, Cell-11(part). Cell-12(part) was completed. Cell- 4, Cell-5 (part), Cell-6 (part), Cell-7 (part), Cell-8 (part), Cell-9 (part), Cell-11(part), Cell-12(part), Cell-13 (part), Cell-14 (part) is under operation. Closure -8 over Cell 5(part), Cell-6(pat), Cell-7 (part), Cell-9 (part), Cell-11(part), Cell-12 (part) is in progress.

Land filling Site (Phase –III): Construction work of Cell 1 to Cell-4 is completed. Cell-2 (part), Cell-3, Cell-4 is currently under operation. Closure-1-over, [Cell-1(part)] is completed.

Hazardous wastes (Incinerable wastes) generated by member industry have been collected & thermally destroyed in our Incinerator Plant. The system is designed to meet CPCB norms for emission standard for Hazardous Wastes Incinerator.

We have Incineration system and provided various components as per the CPCB guideline for a Common Incinerator Facility. The system provided consists of Rotary kiln, Secondary Combustion Chamber, Quencher (Evaporative Cooler), Lime/Carbon Injection System, Bag Filter, Wet Scrubber, ID Fan, Chimney & Continuous Monitoring System.

BEIL Infrastructure Limited is sending organic liquid & solid waste for co-processing M/s Ambuja cement Ltd.- Kodinar. M/s Birla Corporation Ltd.- Chanderia, Rajasthan. M/s Shree Cement Ltd.- Rajasthan. M/s Nuvoco vistas Corporation Ltd., Nimbahera, Rajasthan. M/s Ultratech Cement, Dhar, Madhya Pradesh. M/s JK Cement Works, Mangrol,Nimbharia,

Rajasthan. M/s JK Cement Works, Kailashnagar, Nimbharia, Rajasthan. BEIL Infrastructure Limited has also applied for CCA amendment for inclusion of name of M/s. Ambuja cement Ltd.- Bhatapara, Chattisgarh,. M/s ACC Ltd.- Jamul, Chattisgarh, M/s Ultratech – Neemuch , Madhya Pradesh. M/s Nuvco- Sonidha, Chattisgarh for sending pre-process waste for co-processing.

BEIL Infrastructure Limited have installed two incinerator with capacity of 6.5 million K cal/Hr @ 2.5 MT/ Hr each along with Heat recovery system. Generated steam is being utilized in Multi Effect Evaporation system (MEE).BEIL Infrastructure Limited have installed Multi effect evaporation system (MEE) which is energy efficient compare to other evaporation system.

### **Part – H**

Addition measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Total investment for environmental protection including abatement of pollution, prevention of pollution is approx. **Rs 100.81 Lacs** during the year 2021 – 2022. Details are as follows:

- Temporary shed Expenses
- For incinerable waste processing: New waste processing Shed. Scrubber Piping Replaced

### **Part – I**

Any other particulars for improving the quality of the environment.

- BEIL Infrastructure Limited has implemented Environmental Management System Standards ISO 14001:2015 and ISO – 45001:2018. This is the first and only Secured Landfill in India, which has implemented ISO 14001:2015 and ISO – 45001:2018. Implementation of ISO 14001:2015 and ISO – 45001:2018 has helped in improvement of the environmental protection and Safety.
- For the design of secured landfill PHASE – IV, guidance is sought from Indian Institute of technology (IIT), New Delhi, who are the experts in the areas of hazardous waste management. All the designs are approved from IIT, New Delhi.
- BEIL Infrastructure Limited is maintaining a proper Manifest system as per the Hazardous Waste and other waste (Management and Handling) Rules 2016. This helps in keeping proper records.
- The storages of Incinerable Hazardous waste are designed and maintained as per the Incinerable Hazardous waste storage guideline published by CPCB in November – 2008.
- Laboratory has been augmented. Laboratory got recognition of NABL & MoEF&CC.
- Green belt is developed around the periphery.
- BEIL Infrastructure Limited has installed weather monitoring system.
- BEIL Infrastructure Limited has installed odour control system with spray, in and around plant area.

- BEIL Infrastructure Limited has installed online AAQMS for SO<sub>2</sub>, NO<sub>x</sub>, CH<sub>4</sub>S, Cl<sub>2</sub>, VOC, HF, H<sub>2</sub>S & Ozone.
- BEIL Infrastructure Limited has installed online stack monitoring system and data is reflected to CPCB & GPCB office portal continuous.

For,

**BEIL Infrastructure Limited, Ankleshwar.**

**B. D. Dalwadi**  
(Chief Executive Officer)

## ANNEXURE – 1

### Disposal/Production during the year 2021-22 (product wise)

<b>Sr. No.</b>	<b>Facility</b>	<b>Consented Qty.</b>	<b>Actual Qty. during the year 2021-22</b>
<b>1</b>	Secured Land Fill Site (Phase I, II & III )	37,58,000 MT	<b>263020.15 MT</b>
<b>2</b>	Common Incineration Facility along With Heat Recovery System	13 Million Kcal/Hour (120 MTD)	<b>20258.46 MT</b>
<b>3</b>	MEE	15 MT/Hour	<b>71686.02 MT</b>
<b>4</b>	Plastic Granules (Recyclable)	75 MT/M	<b>332.66 MT</b>
<b>5</b>	Processing of Plastic Waste to reuse as RDF	100 MT/M	<b>NIL</b>
<b>6</b>	Drum Decontamination and Disposal System	1,08,000 Nos/Year	<b>20708 Nos.</b>
<b>7</b>	Pre-processing facility	Waste mix Liquid – 16,000 MTPA Waste mix Solid – 10,000 MTPA	<b>37546.11 MT</b>
<b>8</b>	E – waste Recycling Process	700 MT/Year	<b>311.365 MT</b>

## Annexure- 2

### WASTE GENERATION AND DISPOSED DETAILS

Cat.:33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes sold to approved recycler

Month	Opening stock	Generation	To disposal facility/recycler	Closing Stock
<b>All quantity in MT</b>				
Apr.'21	16.485	29.595	0.000	46.080
May.'21	46.080	32.700	48.750	30.030
Jun.'21	30.030	77.520	92.030	15.520
Jul.'21	15.520	47.900	49.180	14.240
Aug.'21	14.240	59.600	66.740	7.100
Sep.'21	7.100	45.580	48.710	3.970
Oct.'21	3.970	49.050	44.010	9.010
Nov.'21	9.010	44.450	6.860	46.600
Dec.'21	46.600	48.700	88.000	7.300
Jan.'22	7.300	37.710	41.715	3.295
Feb' 22	3.295	38.600	27.790	14.105
Mar' 22	14.105	64.680	62.630	16.155
<b>Total</b>		<b>576.085</b>	<b>576.415</b>	

Sr. No.	Name and Address of approved recycler / scrap Processors	Authorization details
01	<b>M/s. ALKA CHEMI PACK PVT. LTD.</b> Plot No: 408-A, Shivalik-5, Near Mahalaxmi crossroad, Paldi, Ahmedabad.	Consent Order no.: AWH-104066 valid up to 09.09.24

**Annexure – 3**  
**WASTE GENERATION AND DISPOSED DETAILS**

Cat.: 35.3 - Chemical Sludge from wastewater treatment (MEE plant)

Month	Opening stock	Generation	To disposal facility at BEIL	Closing Stock
All quantity in MT				
Apr.'21	00	1104.595	1104.595	00
May.'21	00	1256.730	1256.730	00
Jun.'21	00	1404.418	1404.418	00
Jul.'21	00	1698.780	1698.780	00
Aug.'21	00	1768.350	1768.350	00
Sep.'21	00	1487.520	1487.520	00
Oct.'21	00	1370.340	1370.340	00
Nov.'21	00	1064.400	1064.400	00
Dec.'21	00	1029.870	1029.870	00
Jan.'22	00	1401.600	1401.600	00
Feb' 22	00	1490.710	1490.710	00
Mar' 22	00	1459.400	1459.400	00
<b>Total</b>		<b>16536.71</b>	<b>16536.71</b>	

**Note:** Generated MEE salt is disposed of immediately in the Common Secured Landfill Facility after checking its quality as per the acceptance criteria and there is no storage facility.

### Annexure - 4

#### WASTE GENERATION AND DISPOSED DETAILS Cat.: 37.2 - Ash from incinerator & flue gas cleaning residue

Month	Opening stock	Generation		To disposal facility at BEIL		Closing Stock
		Burn Ash	GCT Ash	Burn Ash	GCT Ash	
All quantity in MT						
Apr.'21	00	724.44	769.88	724.44	769.88	00
May.'21	00	800.35	497.78	800.35	497.78	00
Jun.'21	00	516.35	470.49	516.35	470.49	00
Jul.'21	00	781.42	274.2	781.42	274.2	00
Aug.'21	00	797.31	521.03	797.31	521.03	00
Sep.'21	00	663.16	562.55	663.16	562.55	00
Oct.'21	00	556.628	255.31	556.628	255.31	00
Nov.'21	00	716.416	388.409	716.416	388.409	00
Dec.'21	00	963.65	426.17	963.65	426.17	00
Jan.'22	00	973.15	338.79	973.15	338.79	00
Feb' 22	00	926.05	261.01	926.05	261.01	00
Mar' 22	00	923.4	390.75	923.4	390.75	00
<b>Total</b>		<b>9342.324</b>	<b>5156.369</b>	<b>9342.324</b>	<b>5156.369</b>	

**Note:** Generated Ash is disposed off immediately in the Common Secured Landfill Facility after checking its quality as per the acceptance criteria and there is no storage facility.

### Annexure – 5

#### WASTE GENERATION AND DISPOSED DETAILS

Cat.: 5.1 – Used / spent Oil

Month	Opening stock	Generation	Reused for plant maintenance	Closing Stock
All quantity in Litres				
Apr.'21	210	80	40	250
May.'21	250	0	20	230
Jun.'21	230	40	20	250
Jul.'21	250	80	40	290
Aug.'21	290	80	80	290
Sep.'21	290	0	80	210
Oct.'21	210	20	20	210
Nov.'21	210	40	120	130
Dec.'21	130	100	20	210
Jan.'22	210	20	80	150
Feb' 22	150	0	0	150
Mar' 22	150	40	0	190
<b>Total</b>	<b>2580</b>	<b>500</b>	<b>520</b>	<b>2560</b>

## **Annexure – 6**

### **LANDFILLING DETAILS**

QUANTITY OF SOLID / HAZARDOUS WASTE RECEIVED

DURING APRIL- 2021 TO MARCH – 2022

<i>Sr No</i>	<i>Month</i>	<i>Quantity</i>
<b>All quantity in MT</b>		
<b>1</b>	April- 2021	<b>31579.095</b>
<b>2</b>	May- 2021	<b>23239.88</b>
<b>3</b>	June -2021	<b>12372.25</b>
<b>4</b>	July -2021	<b>11599.30</b>
<b>5</b>	August -2021	<b>10838.32</b>
<b>6</b>	September -2021	<b>8345.295</b>
<b>7</b>	October -2021	<b>10261.14</b>
<b>8</b>	November-2021	<b>25609.90</b>
<b>9</b>	December -2021	<b>25617.61</b>
<b>10</b>	January- 2022	<b>36253.32</b>
<b>11</b>	February- 2022	<b>35059.09</b>
<b>12</b>	March - 2022	<b>32244.947</b>
<b>TOTAL</b>		<b>263020.145 MT</b>



**INCINERATION DETAILS**  
**QUANTITY OF INCINERABLE WASTE RECEIVED, TREATED AND DISPOSED OFF**  
**DURING APRIL- 2021 TO MARCH- 2022**  
**Opening stock (01.04.2021): 2548.498 MT**

Month	Waste Received (MT)						Waste Incinerated (MT)					
	AQUEOUS	ORG. LIQUID	SEMI SOLID	SOLID	TARRY	TOTAL	AQUEOUS	ORG. LIQUID	SEMI SOLID	SOLID	TARRY	TOTAL
April- 2021	365.51	391.81	374.395	506.427	18.155	1656.297	484.809	605.764	440.113	388.168	71.059	1989.913
May- 2021	804.15	316.315	477.205	436.956	14.06	2048.686	563.275	370.282	433.594	481.451	20.770	1869.372
June -2021	976.91	543.25	661.35	582.425	29.75	2793.685	466.08	338.118	469	187.814	17.198	1478.21
July -2021	1591.245	304.265	699.005	599.635	26.48	3220.630	616.761	360.326	403.648	287.820	20.610	1689.165
August -2021	1584.23	741.214	593.835	637.39	7.02	3563.689	748.809	485.409	480.029	333.925	12.431	2060.603
September - 2021	1218.54	729.07	461.925	574.208	25.775	3009.518	532	529.196	324.829	319.577	26.913	1732.515
October -2021	1917.085	788.88	624.03	884.67	15.6	4230.265	479.382	239.707	270.036	538.927	1.433	1529.485
November-2021	1526.035	743.91	493.61	544.532	13.385	3321.472	551.907	213.671	243.023	356.22	4.278	1369.099
December -2021	1802.125	614.565	444.56	668.461	21.63	3551.341	515.423	198.796	472.97	414.024	37.415	1638.628
January- 2022	2013.74	427.935	370.47	593.93	36.27	3442.345	615.946	278.118	432.977	520.577	21.372	1868.990
February- 2022	1536.15	481.63	460.535	589.627	22.865	3090.807	485.826	379.838	292.13	184.014	64.56	1406.368
March - 2022	1910.69	592.83	493.825	606.426	13.605	3617.376	552.606	428.528	275.393	361.457	8.128	1626.112
<b>Total</b>	<b>17246.41</b>	<b>6675.67</b>	<b>6154.75</b>	<b>7224.69</b>	<b>244.60</b>	<b>37546.11</b>	<b>6612.82</b>	<b>4427.75</b>	<b>4537.74</b>	<b>4373.97</b>	<b>306.17</b>	<b>20258.46</b>

Total **17945.46 MT** waste sent for co-processing, closing stock as on (31.03.2022): **1890.701 MT.**

### Annexure – 7

#### WASTE GENERATION AND DISPOSED DETAILS

Cat.: 37.3 - Concentration or evaporation residue (Pre-Processing)

Month	Opening stock	Generation	Dispatch Qty.	Closing Stock
				<b>All quantity in MT</b>
Apr.'21	0.000	432.789	432.789	0.000
May.'21	0.000	413.844	413.844	0.000
Jun.'21	0.000	732.967	732.967	0.000
Jul.'21	0.000	1450.497	1450.497	0.000
Aug.'21	0.000	1423.166	1423.166	0.000
Sep.'21	0.000	1467.131	1467.131	0.000
Oct.'21	0.000	2044.558	2044.558	0.000
Nov.'21	0.000	2116.804	2116.804	0.000
Dec.'21	0.000	2089.162	2089.162	0.000
Jan.'22	0.000	1919.836	1919.836	0.000
Feb' 22	0.000	1669.615	1669.615	0.000
Mar' 22	0.000	2185.092	2185.092	0.000
<b>Total</b>		<b>17945.461</b>	<b>17945.461</b>	

**Note:** Waste sent for co-processing at M/s. Ambuja cements Ltd., Kodinar. M/s Birla Corporation Ltd.- Chanderia, Rajasthan. M/s Shree Cement Ltd.- Rajasthan. M/s Nuvoco vistas Corporation Ltd., Nimbahera, Rajasthan. M/s Ultratech Cement, Dhar, Madhya Pradesh. M/s JK Cement Works, Mangrol, Nimbharia, Rajasthan. M/s JK Cement Works, Kailashnagar, Nimbharia, Rajasthan. M/s. Ambuja cement, Bhatapara, Chhattisgarh. M/s. ACC Limited, Jamul, Chhattisgarh, M/s Nuvoco vistas Corporation Ltd., Sonidha, Chhattisgarh, Rajasthan. M/s JK Cement Works, Muddapur, Karnataka.

### Annexure - 8

Quantity of Plastic Granules from plastic waste

Month	Opening stock	Qty of Plastic granules made	Dispatch Qty.	Closing Stock
				<b>All quantity in MT</b>
Apr.'21	0.000	25.08	25.08	0.000
May.'21	0.000	27.20	27.20	0.000
Jun.'21	0.000	28.02	28.02	0.000
Jul.'21	0.000	26.06	26.06	0.000
Aug.'21	0.000	30.11	30.11	0.000
Sep.'21	0.000	14.46	14.46	0.000
Oct.'21	0.000	18.80	18.80	0.000
Nov.'21	0.000	22.03	22.03	0.000
Dec.'21	0.000	35.17	35.17	0.000
Jan.'22	0.000	41.42	41.42	0.000
Feb' 22	0.000	31.88	31.88	0.000
Mar' 22	0.000	32.43	32.43	0.000
<b>Total</b>		<b>332.660</b>	<b>332.660</b>	

## Annexure - 9

### Analysis report of Leachate generation

Date of monitoring	Leachate Generation	pH	CHLORIDE (mg/l)	Ammonical Nitrogen (mg/l)	Total Alkalinity (mg/l)	TSS (mg/l)	TDS (mg/l)	SULPHATE (mg/l)	Total Hardness as CaCO <sub>3</sub> (mg/L)	COD (mg/l)	BOD (mg/l)
April ' 21	1920.00	7.05 - 8.37	116724.00	2228.62	9930.68	1726.13	251091.20	28778.10	5755.68	29719.30	9853.12
May ' 21	2283.00	7.02 - 8.15	116396.40	2204.37	9397.50	1724.81	251262.90	27363.10	5651.37	30073.40	9853.12
June ' 21	2570.00	6.90 - 8.20	115011.30	2124.12	9402.63	1727.00	238434.80	71439.56	5645.87	28586.00	9306.25
July ' 21	2653.00	7.00 - 8.19	114214.40	2123.94	9234.13	1730.29	238434.80	26330.00	5716.44	28600.00	9306.25
August ' 21	2594.00	7.02 - 8.22	114780.00	2123.13	9271.63	1725.00	239290.00	26130.00	5716.44	28290.00	9306.25
September ' 21	2433.00	7.05 - 8.29	110730.00	2123.13	9068.07	1732.19	224527.90	26189.00	5716.44	28199.00	9234.38
October ' 21	2240.00	6.68 - 8.48	112720.00	2238.00	8932.75	1636.68	235640.00	27060.00	5675.31	45900.93	9300.00
November ' 21	2095.00	6.63 - 8.42	113800.00	2215.18	10288.75	1728.12	29030.00	29030.00	5693.90	28000.25	9412.50
December ' 21	2240.00	6.95 - 8.45	113013.40	2207.68	10049.31	1729.93	28565.79	28565.79	5655.25	28247.44	6412.95
January ' 22	2128.00	6.81 - 8.34	115765.60	2248.88	10176.31	1744.31	240851.19	26104.84	5678.13	28773.00	9581.25
February ' 22	1913.00	6.90 - 8.20	142250.50	2271.38	10292.50	1771.38	241294.50	26236.20	5687.25	29034.81	9637.19
March ' 22	2104.00	7.04 - 8.66	114045.10	2272.69	10268.00	1772.56	240393.00	26151.81	5703.88	29279.56	9673.75

Date of monitoring	Leachate Generation	Fluoride (mg/l)	phenolic compound (mg/l)	Lead (mg/l)	Cadmium (mg/l)	Copper (mg/l)	Nickel (mg/l)	Zinc (mg/l)	Arsenic (mg/l)	Mercury (mg/l)	Total Cr (mg/l)	Cr (VI) (mg/l)	Iron (mg/l)	Sodium (mg/l)
April ' 21	1920.00	0.70	44.50	1.12	0.12	0.51	1.11	1.01	BDL	BDL	0.25	BDL	17.27	40568.75
May ' 21	2283.00	0.73	45.70	1.40	0.19	0.39	0.90	1.52	BDL	BDL	0.42	0.01	3.18	40634.38
June ' 21	2570.00	0.77	48.27	1.60	0.14	0.33	1.05	1.39	BDL	BDL	0.42	BDL	2.90	40643.75
July ' 21	2653.00	0.55	44.50	1.15	0.09	0.31	0.79	1.39	BDL	BDL	0.31	BDL	2.58	40856.25
August ' 21	2594.00	0.52	51.40	0.77	0.08	0.33	1.02	1.52	BDL	BDL	0.26	BDL	2.30	40575.00
September ' 21	2433.00	0.51	52.77	0.78	0.37	0.35	1.12	1.85	BDL	BDL	0.30	0.40	2.76	40575.00
October ' 21	2240.00	0.55	53.27	0.77	0.13	0.27	1.20	1.24	BDL	BDL	0.35	BDL	2.81	40900.00
November ' 21	2095.00	0.56	54.78	0.56	0.11	0.25	1.27	1.75	BDL	BDL	0.35	BDL	2.98	40850.00
December ' 21	2240.00	0.56	55.32	0.57	0.11	0.18	1.33	1.72	BDL	BDL	0.36	BDL	2.92	40131.25
January ' 22	2128.00	0.56	56.65	0.64	0.14	0.19	1.54	1.68	<0.001	<0.001	0.40	<0.05	3.09	39975.00
February ' 22	1913.00	0.55	61.59	0.64	0.14	0.21	1.46	1.69	<0.001	<0.001	0.39	<0.05	3.01	41311.25
March ' 22	2104.00	0.52	61.36	0.61	0.14	0.27	1.38	1.57	<0.001	<0.001	0.37	<0.05	3.10	41768.75