

**Monthly Performance Report
(HWT-NG100-MPR-09-R0)**

**April 2017
(From 01/04/2017 to 30/04/2017)**

**100 TPD Municipal Solid Waste (MSW) Facility
Calangute, North Goa**

Prepared By
**Hindustan Waste Treatment Pvt. Ltd.
(HWT)**

Submitted To
**Department of Science & Technology
(DS&T)
Goa State Infrastructural Development
Corporation Limited (GSIDC)**

Table – 1
Summary of Overall Average Results for April 2017
As compared to Schedule – 7: Performance Standards, Volume – I of RFP

Sr. No.	Parameter	Performance Standard As per Schedule – 7	Actual Performance at Plant (Monthly Average)
1.	Number of fractions of recyclables sorted per day from the input mixed waste	Minimum 10 numbers of fractions shall be sorted daily from the input dry waste as received in the facility. The list of fractions are as follows: 1. PET Bottles 2. Mixed Plastic Articles 3. Newspapers / other Paper Material 4. Cardboard 5. Styrofoam & Thermocol 6. Coconut Shells 7. Clothes 8. Rubber Articles 9. Metal Articles & Cans 10. E-waste Articles and any Hazardous Waste	13 numbers of fractions are being sorted daily from the input dry waste as received in the facility. The list of fractions are as follows: 1. Glass 2. Metal Articles & Cans 3. Tetrapacks 4. Paper / Cardboard 5. Plastic Film 6. Hard Plastics 7. PET Bottles 8. Styrofoam & Thermocol 9. Cloth / Rags / Textile 10. Jute bags 11. Leather / Rubber / Rexine 12. Coconut Shells 13. E-waste Articles and any Hazardous Waste
2.	Quantum of reject/residues to be sent to the landfill after processing. No organic fraction shall be disposed in the landfill.	Maximum 10% of inert of the total input waste as received in the facility (in TPD).	Input waste to the Plant is 96.04 TPD . Quantum of Inert is 6.29 TPD which is < 10% of the Total Input Waste as received in the Facility. No Organic Waste has been disposed in the Sanitary Landfill Facility.
3.	Electricity generation in the Plant	Minimum electricity to be generated in the plant shall be 0.40 MW per 100 tons of input wet biodegradable waste as received in the Facility (in TPD).	Electricity generation is 0.57 MW/100 tons of Input Biodegradable Waste as received in the Facility (in TPD).

Sr. No.	Parameter	Performance Standard As per Schedule – 7	Actual Performance at Plant (Monthly Average)										
4.	Biogas Flaring System	The Biogas Flaring System shall strictly be used only in case of emergency and not as a routine practice.	Biogas is being flared strictly, only under emergency and not as a routine practice. The average running time of Biogas Flaring System is 3.12 hours/day .										
5.	Discharge of treated effluent conforming to regulatory norms	Effluent Treatment Plant shall be operated under all conditions.	Effluent Treatment Plant is being operated continuously and is meeting all statutory conditions. The Treated Effluent Characteristics are as follows: <table border="1" data-bbox="1032 684 1403 898"> <tbody> <tr> <td>pH</td> <td>7.05</td> </tr> <tr> <td>BOD</td> <td>7 mg/l</td> </tr> <tr> <td>COD</td> <td>69 mg/l</td> </tr> <tr> <td>TSS</td> <td>8 mg/l</td> </tr> <tr> <td>TDS</td> <td>1732 mg/l</td> </tr> </tbody> </table>	pH	7.05	BOD	7 mg/l	COD	69 mg/l	TSS	8 mg/l	TDS	1732 mg/l
pH	7.05												
BOD	7 mg/l												
COD	69 mg/l												
TSS	8 mg/l												
TDS	1732 mg/l												
6.	General Housekeeping, hygienic conditions, cleanliness, safety norms, adequate manpower, treatment methodology for plant operation & maintenance and storage conditions in the plant.	Minimum housekeeping, safety norms and cleanliness conditions shall be maintained at all times as per the Bid Document requirement.	<ul style="list-style-type: none"> • High standard of Housekeeping, Cleanliness and Safety are being maintained at all times at the Plant. • Adequate manpower has been deployed in all shifts. • Also, the treatment methodology is being followed properly and proper storage conditions have been maintained in the Plant. 										

#	Plant Performance Data: April 2017		
Sr. No.	Content	Month	Signature
1	Input Waste Composition	April 2017 From 01.04.2017 To 30.04.2017	
2	Recyclables		
3	Electricity Generation		
4	Biogas Flare		
5	Effluent Treatment Plant		
6	Inert		
7	Housekeeping		

1 INPUT WASTE COMPOSITION:

Sr. No.	Description	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average	
A Input Waste:											
1	Dry Waste	TPD	0.63	0.45	2.07	1.94	0.60	2.44	1.92	1.44	1.44%
2	Wet Waste	TPD	5.71	10.67	6.17	3.62	10.37	7.95	5.03	7.07	7.11%
3	Mixed Waste	TPD	89.13	80.07	105.76	93.94	93.78	84.16	89.29	90.88	91.38%
4	Mulched Tree waste	TPD	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.06	0.06%
5	Total.....1+2+3+4	TPD	95.47	91.19	114.00	99.93	104.75	94.55	96.24	99.45	100.00%
B Input Waste Composition:											
1	Organic / Bio degradable Fraction	65.00%	47.16	46.94	55.35	46.93	53.32	47.00	45.21	48.84	49.12%
2	Inorganic / Non-recyclable Fraction (RDF)		31.02	23.62	33.90	34.87	32.64	28.25	33.21	31.07	31.25%
3	Recyclables	14.00%	10.93	14.57	16.59	10.65	11.41	11.79	12.23	12.60	12.67%
	Glass	0.05-0.1%	0.05	0.08	0.06	0.05	0.05	0.07	0.09	0.06	0.06%
	Metal	0.3-0.5%	0.46	0.33	0.57	0.31	0.42	0.42	0.48	0.43	0.43%
	Paper / Cardboard / Tetrapack	1.5-3.0%	2.63	2.42	2.82	2.23	1.71	2.80	1.58	2.31	2.32%
	Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics	3.5- 7.5%	3.70	6.33	7.24	3.53	3.87	3.62	4.94	4.75	4.77%
	Thermocoal / Styrofoam	0.05-0.1%	0.09	0.06	0.11	0.07	0.09	0.06	0.05	0.08	0.08%
	Cloth / Rags / Textiles	1.0-2.5%	1.49	2.17	2.37	2.20	2.50	2.04	1.82	2.08	2.10%
	Rubber Items	0.25-0.5%	0.47	0.34	0.47	0.36	0.47	0.31	0.28	0.38	0.39%
	Coconut	1.5-3.5%	2.05	2.85	2.95	1.91	2.29	2.48	3.00	2.50	2.52%
4	Inert	10.00%	6.36	6.06	8.16	7.48	7.38	7.51	5.59	6.93	6.97%
5	Mulched Tree Waste	11.00%	0.00	0.00	0.00	0.43	0.00	0.00	0.00		
	Total.....1+2+3+4+5	100.00%									100.00%

2 RECYCLABLES:

Sr. No.	Description	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average	
A Recyclables:											
1	Glass	Kg	48	82	57	50	52	66	87	63	
2	Metal	Kg	458	328	570	310	419	416	481	426	
3	Tetrapack	Kg	150	75	149	82	99	162	77	113	
4	Paper / Cardboard	Kg	2,476	2,342	2,667	2,146	1,608	2,636	1,501	2,197	
	Total.....3+4	Kg	2,626	2,417	2,816	2,228	1,707	2,798	1,578	2,310	
5	Plastic Films	Kg	3,245	5,177	6,037	3,069	3,181	2,962	4,118	3,970	
6	Hard Plastic	Kg	263	551	666	226	305	359	351	389	
7	Pet	Kg	196	601	536	233	379	301	469	388	
	Total.....5+6+7	Kg	3,704	6,329	7,239	3,528	3,865	3,622	4,938	4,746	
8	Thermocal	Kg	86	64	114	70	94	57	48	76	
9	Cloth / Rags / Textile	Kg	1,059	1,530	2,006	1,651	2,125	1,540	1,457	1,624	
10	Jute Bags	Kg	430	640	365	547	378	502	362	461	
	Total.....9+10	Kg	1,489	2,170	2,371	2,198	2,503	2,042	1,819	2,085	
11	Leather / Rubber / Rexine	Kg	468	337	467	360	471	312	279	385	
12	Coconut	Kg	2,053	2,845	2,953	1,909	2,294	2,477	3,003	2,505	
13	Total	Kg	10,932	14,572	16,587	10,653	11,405	11,790	12,233	12,596	
		TPD	10.93	14.57	16.59	10.65	11.41	11.79	12.23	12.60	

3 ELECTRICITY GENERATION:

Sr. No.	Description	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average	
A Biogas Gensets:											
1	Biogas Genset-I: Running Time	hr	22.55	20.50	21.65	11.20	14.85	18.45	9.75	16.99	
2	Biogas Genset-I: Energy Generation	kW.hr	2,680	2,400	2,650	1,440	1,840	2,170	1,190	2,053	
3	Biogas Genset-II: Running Time	hr	10.65	4.80	14.60	22.10	20.10	16.10	22.85	15.89	
4	Biogas Genset-II: Energy Generation	kW.hr	890	550	1,910	2,680	2,350	1,830	3,170	1,911	
5	Total.....2+4	kW.hr	3,570	2,950	4,560	4,120	4,190	4,000	4,360	3,964	
B Electricity Generation:											
1	As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per per 100 tons of Input Biodegradable Waste as received in the Facility.										
2	Biodegradable Waste.....1.B4	Tons	47.16	46.94	55.35	46.93	53.32	47.00	45.21	48.84	
3	Electricity Generation required as per Tender.....0.4 x 1000 x B2/100	kWH	189	188	221	188	213	188	181	195	
4	Electricity generated..... (A2/A1) + (A4/A3)	kWH	202	232	253	250	241	231	261	239	

4 BIOGAS FLARE:

Sr. No.	Parameter	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average
2	Operation Time	hr/day	4.90	4.82	4.65	5.58	4.05	4.00	2.82	4.40

5 EFFLUENT TREATMENT PLANT:

Sr. No.	Parameter	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average	
A	Raw Effluent Quality:										
1	Flow	m ³ /day	60.73	61.95	65.90	58.10	64.53	69.28	69.91	64.34	
2	pH	---	6.07	6.47	6.03	7.48	6.28	7.54	6.5	6.62	
3	Biochemical Oxygen Demand (BOD5)	mg/l	1,812	1,566	2,356	2,473	2,318	2,078	1,509	2,016	
4	Chemical Oxygen Demand (COD)	mg/l	4,693	5,434	7,256	6,108	5,957	5,278	4,195	5,560	
5	Total Suspended Solids (TSS)	mg/l	4,240	2,600	3,746	4,773	5,610	3,720	3,124	3,973	
6	Total Dissolve Solids (TDS)	mg/l	1,687	1,751	1,777	1,794	1,737	1,654	1,640	1,720	
B	Treated Effluent Quality:										
1	pH	---	6.89	7.08	7.45	6.68	6.97	6.71	7.06	6.98	
2	Biochemical Oxygen Demand (BOD5)	mg/l	8	5	9	6	6	9	7	7	
3	Chemical Oxygen Demand (COD)	mg/l	70	62	89	86	77	63	56	72	
4	Total Suspended Solids (TSS)	mg/l	9	6	10	7	7	10	8	8	
5	Total Dissolve Solids (TDS)	mg/l	1,788	1,856	1,866	1,938	1,876	1,687	1,640	1,807	

6 DISPOSAL OF INERT:

Sr. No.	Description	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average	
1	As per Tender: Maximum 10% of Inerts of the Total Input Waste (excluding Mulched Tree Waste) as received in the Facility.										
2	Input Waste	TPD	95.47	91.19	114.00	99.93	104.75	94.55	96.24	99.45	
3	Inert Fraction	Kg	6,360	6,060	8,160	7,480	7,380	7,510	5,590	6,934	
		TPD	6.36	6.06	8.16	7.48	7.38	7.51	5.59	6.93	
4	% of Total Input Waste.....3/2	%	6.66%	6.65%	7.16%	7.49%	7.05%	7.94%	5.81%	6.96%	

7 HOUSEKEEPING:

Sr. No.	Description	Unit	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	Weekly Average
1	Hygienic Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
2	Cleanliness	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
3	Manpower Deployed	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
4	Safety Norms	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
5	Treatment Methodology	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
6	Storage Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted

1 INPUT WASTE COMPOSITION:

Sr. No.	Description	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average	
A Input Waste:											
1	Dry Waste	TPD	0.28	0.53	2.62	0.39	1.09	1.17	1.51	1.08	1.12%
2	Wet Waste	TPD	5.36	10.96	10.22	5.71	10.44	12.19	10.00	9.27	9.59%
3	Mixed Waste	TPD	90.59	76.75	100.13	90.80	82.81	81.66	78.99	85.96	88.98%
4	Mulched Tree waste	TPD	0.00	0.00	0.00	0.13	0.00	1.14	0.77	0.29	0.30%
5	Total.....1+2+3+4	TPD	96.23	88.24	112.97	97.03	94.34	96.16	91.27	96.61	100.00%
B Input Waste Composition:											
1	Organic / Bio degradable Fraction	65.00%	46.49	46.03	55.48	47.57	48.28	49.10	46.73	48.53	50.23%
2	Inorganic / Non-recyclable Fraction (RDF)		33.17	25.16	33.62	29.28	28.16	31.62	29.73	30.11	31.16%
3	Recyclables	14.00%	12.03	12.07	17.28	14.05	12.91	11.63	9.67	12.80	13.25%
	Glass	0.05-0.1%	0.09	0.06	0.11	0.05	0.09	0.05	0.09	0.08	0.08%
	Metal	0.3-0.5%	0.39	0.34	0.49	0.42	0.35	0.40	0.27	0.38	0.39%
	Paper / Cardboard / Tetrapack	1.5-3.0%	1.66	2.36	3.30	2.54	2.39	1.90	1.89	2.29	2.37%
	Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics	3.5- 7.5%	5.39	5.71	7.83	5.64	5.38	5.69	3.47	5.59	5.78%
	Thermocoal / Styrofoam	0.05-0.1%	0.07	0.05	0.09	0.05	0.05	0.05	0.09	0.06	0.07%
	Cloth / Rags / Textiles	1.0-2.5%	2.24	1.50	1.78	1.97	1.58	1.83	1.80	1.81	1.88%
	Rubber Items	0.25-0.5%	0.46	0.25	0.34	0.45	0.29	0.25	0.30	0.33	0.35%
	Coconut	1.5-3.5%	1.73	1.80	3.34	2.94	2.78	1.45	1.75	2.26	2.34%
4	Inert	10.00%	4.54	4.98	6.59	6.13	4.99	3.81	5.14	5.17	5.35%
5	Mulched Tree Waste	11.00%	0.00	0.00	0.00	0.13	0.00	1.14	0.77		
	Total.....1+2+3+4+5	100.00%									100.00%

2 RECYCLABLES:

Sr. No.	Description	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average	
A Recyclables:											
1	Glass	Kg	87	62	113	49	94	48	91	78	
2	Metal	Kg	395	344	486	417	349	404	274	381	
3	Tetrapack	Kg	83	85	188	104	117	84	108	110	
4	Paper / Cardboard	Kg	1,572	2,271	3,111	2,438	2,270	1,820	1,782	2,181	
	Total.....3+4	Kg	1,655	2,356	3,299	2,542	2,387	1,904	1,890	2,290	
5	Plastic Films	Kg	4,500	4,950	6,975	4,696	4,565	4,879	3,062	4,804	
6	Hard Plastic	Kg	447	337	407	519	317	347	201	368	
7	Pet	Kg	442	422	446	423	495	467	205	414	
	Total.....5+6+7	Kg	5,389	5,709	7,828	5,638	5,377	5,693	3,468	5,586	
8	Thermocal	Kg	67	53	90	49	47	48	91	64	
9	Cloth / Rags / Textile	Kg	1,637	1,067	1,444	1,402	1,189	1,487	1,365	1,370	
10	Jute Bags	Kg	605	434	341	567	386	340	433	444	
	Total.....9+10	Kg	2,242	1,501	1,785	1,969	1,575	1,827	1,798	1,814	
11	Leather / Rubber / Rexine	Kg	462	247	339	446	292	250	301	334	
12	Coconut	Kg	1,732	1,800	3,344	2,940	2,783	1,452	1,752	2,258	
13	Total	Kg	12,029	12,072	17,284	14,050	12,904	11,626	9,665	12,804	
		TPD	12.03	12.07	17.28	14.05	12.90	11.63	9.67	12.80	

3 ELECTRICITY GENERATION:

Sr. No.	Description	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average	
A Biogas Gensets:											
1	Biogas Genset-I: Running Time	hr	11.25	11.70	17.95	21.15	14.15	23.00	19.70	16.99	
2	Biogas Genset-I: Energy Generation	kW.hr	1,300	940	2,000	2,870	1,980	3,590	2,710	2,199	
3	Biogas Genset-II: Running Time	hr	22.05	23.50	23.20	14.00	21.70	22.90	3.30	18.66	
4	Biogas Genset-II: Energy Generation	kW.hr	2,440	2,960	2,840	1,690	0	3,520	0	1,921	
5	Total.....2+4	kW.hr	3,740	3,900	4,840	4,560	1,980	7,110	2,710	4,120	
B Electricity Generation:											
1	As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per per 100 tons of Input Biodegradable Waste as received in the Facility.										
2	Biodegradable Waste.....1.B4	Tons	46.49	46.03	55.48	47.57	48.28	49.10	46.73	48.53	
3	Electricity Generation required as per Tender.....0.4 x 1000 x B2/100	kWH	186	184	222	190	193	196	187	194	
4	Electricity generated..... (A2/A1) + (A4/A3)	kWH	226	206	234	256	140	310	138	216	

4 BIOGAS FLARE:

Sr. No.	Parameter	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average	
2	Operation Time	hr/day	4.42	5.25	6.12	8.08	5.52	0.25	7.20	5.26	

5 EFFLUENT TREATMENT PLANT:

Sr. No.	Parameter	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average	
A	Raw Effluent Quality:										
1	Flow	m ³ /day	54.21	52.13	63.54	64.83	52.54	52.71	57.38	56.76	
2	pH	---	7.48	6.63	6.83	6.99	6.97	7.06	6.97	6.99	
3	Biochemical Oxygen Demand (BOD5)	mg/l	2,330	1,727	1,748	1,882	1,641	2,099	2,343	1,967	
4	Chemical Oxygen Demand (COD)	mg/l	5,429	4,767	5,926	6,455	4,053	6,255	8,060	5,849	
5	Total Suspended Solids (TSS)	mg/l	4,264	4,248	2,779	3,820	2,757	4,324	3,913	3,729	
6	Total Dissolve Solids (TDS)	mg/l	1,532	1,505	1,625	1,670	1,787	1,621	1,710	1,636	
B	Treated Effluent Quality:										
1	pH	---	7.19	7.2	6.91	6.51	7.01	6.57	6.82	6.89	
2	Biochemical Oxygen Demand (BOD5)	mg/l	8	7	5	9	6	5	8	7	
3	Chemical Oxygen Demand (COD)	mg/l	55	57	79	87	83	68	74	72	
4	Total Suspended Solids (TSS)	mg/l	9	8	6	10	7	6	9	8	
5	Total Dissolve Solids (TDS)	mg/l	1,624	1,535	1,755	1,703	1,930	1,702	1,864	1,730	

6 DISPOSAL OF INERT:

Sr. No.	Description	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average
1	As per Tender: Maximum 10% of Inerts of the Total Input Waste (excluding Mulched Tree Waste) as received in the Facility.									
2	Input Waste	TPD	96.23	88.24	112.97	97.03	94.34	96.16	91.27	96.61
3	Inert Fraction	Kg	4,540	4,980	6,590	6,130	4,990	3,810	5,140	5,169
		TPD	4.54	4.98	6.59	6.13	4.99	3.81	5.14	5.17
4	% of Total Input Waste.....3/2	%	4.72%	5.64%	5.83%	6.32%	5.29%	3.96%	5.63%	5.34%

7 HOUSEKEEPING:

Sr. No.	Description	Unit	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr	14-Apr	Weekly Average
1	Hygienic Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
2	Cleanliness	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
3	Manpower Deployed	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
4	Safety Norms	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
5	Treatment Methodology	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
6	Storage Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted

1 INPUT WASTE COMPOSITION:

Sr. No.	Description	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average	
A Input Waste:											
1	Dry Waste	TPD	0.38	1.66	2.49	1.33	2.23	1.00	1.69	1.54	1.56%
2	Wet Waste	TPD	11.10	14.71	10.90	8.31	10.62	5.85	9.34	10.12	10.26%
3	Mixed Waste	TPD	85.06	79.80	100.55	90.25	80.25	89.30	79.97	86.45	87.68%
4	Mulched Tree waste	TPD	1.60	1.42	0.00	0.00	0.00	0.00	0.39	0.49	0.49%
5	Total.....1+2+3+4	TPD	98.14	97.59	113.94	99.89	93.10	96.15	91.39	98.60	100.00%
B Input Waste Composition:											
1	Organic / Bio degradable Fraction	65.00%	52.01	53.65	59.57	52.08	49.46	49.43	47.97	52.02	52.76%
2	Inorganic / Non-recyclable Fraction (RDF)		28.70	25.31	31.62	30.78	24.83	30.98	24.60	28.12	28.52%
3	Recyclables	14.00%	11.64	12.92	15.99	10.99	12.88	9.97	13.17	12.51	12.68%
	Glass	0.05-0.1%	0.09	0.06	0.11	0.05	0.05	0.10	0.08	0.08	0.08%
	Metal	0.3-0.5%	0.39	0.39	0.38	0.36	0.44	0.34	0.46	0.39	0.40%
	Paper / Cardboard / Tetrapack	1.5-3.0%	2.78	1.47	2.38	1.90	2.15	1.58	2.16	2.06	2.09%
	Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics	3.5- 7.5%	4.10	6.28	7.21	4.79	5.86	4.38	5.71	5.48	5.55%
	Thermocoal / Styrofoam	0.05-0.1%	0.06	0.07	0.06	0.08	0.05	0.06	0.07	0.06	0.06%
	Cloth / Rags / Textiles	1.0-2.5%	1.75	1.70	2.67	1.50	2.09	1.49	2.19	1.91	1.94%
	Rubber Items	0.25-0.5%	0.46	0.49	0.51	0.49	0.25	0.40	0.26	0.41	0.41%
	Coconut	1.5-3.5%	2.01	2.47	2.67	1.82	2.00	1.62	2.24	2.12	2.15%
4	Inert	10.00%	5.79	5.71	6.76	6.04	5.93	5.77	5.65	5.95	6.03%
5	Mulched Tree Waste	11.00%	1.60	1.42	0.00	0.00	0.00	0.00	0.39		
	Total.....1+2+3+4+5	100.00%									100.00%

2 RECYCLABLES:

Sr. No.	Description	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average	
A Recyclables:											
1	Glass	Kg	88	59	114	50	47	96	82	77	
2	Metal	Kg	393	390	376	360	438	337	457	393	
3	Tetrapack	Kg	158	72	143	84	82	52	125	102	
4	Paper / Cardboard	Kg	2,619	1,401	2,238	1,814	2,069	1,525	2,032	1,957	
	Total.....3+4	Kg	2,777	1,473	2,381	1,898	2,151	1,577	2,157	2,059	
5	Plastic Films	Kg	3,507	5,440	5,878	4,052	4,878	3,775	4,958	4,641	
6	Hard Plastic	Kg	382	452	707	302	404	373	411	433	
7	Pet	Kg	213	383	627	441	574	237	343	403	
	Total.....5+6+7	Kg	4,102	6,275	7,212	4,795	5,856	4,385	5,712	5,477	
8	Thermocal	Kg	59	68	57	80	47	58	73	63	
9	Cloth / Rags / Textile	Kg	1,418	1,214	2,210	1,187	1,698	1,180	1,827	1,533	
10	Jute Bags	Kg	328	484	456	312	388	310	366	378	
	Total.....9+10	Kg	1,746	1,698	2,666	1,499	2,086	1,490	2,193	1,911	
11	Leather / Rubber / Rexine	Kg	461	488	513	489	251	404	256	409	
12	Coconut	Kg	2,012	2,469	2,666	1,818	2,002	1,625	2,239	2,119	
13	Total	Kg	11,638	12,920	15,985	10,989	12,878	9,972	13,169	12,507	
		TPD	11.64	12.92	15.99	10.99	12.88	9.97	13.17	12.51	

3 ELECTRICITY GENERATION:

Sr. No.	Description	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average	
A Biogas Gensets:											
1	Biogas Genset-I: Running Time	hr	21.00	23.70	22.75	23.75	23.60	23.85	23.40	23.15	
2	Biogas Genset-I: Energy Generation	kW.hr	3,190	3,580	3,430	3,800	3,810	3,830	3,570	3,601	
3	Biogas Genset-II: Running Time	hr	3.15	23.75	22.95	23.70	23.45	23.85	23.40	20.61	
4	Biogas Genset-II: Energy Generation	kW.hr	410	3,570	3,640	3,790	3,830	3,860	3,710	3,259	
5	Total.....2+4	kW.hr	3,600	7,150	7,070	7,590	7,640	7,690	7,280	6,860	
B Electricity Generation:											
1	As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per per 100 tons of Input Biodegradable Waste as received in the Facility.										
2	Biodegradable Waste.....1.B4	Tons	52.01	53.65	59.57	52.08	49.46	49.43	47.97	52.02	
3	Electricity Generation required as per Tender.....0.4 x 1000 x B2/100	kWH	208	215	238	208	198	198	192	208	
4	Electricity generated..... (A2/A1) + (A4/A3)	kWH	282	301	309	320	325	322	311	310	

4 BIOGAS FLARE:

Sr. No.	Parameter	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average	
2	Operation Time	hr/day	8.70	3.00	3.67	3.50	1.38	1.27	3.00	3.50	

5 EFFLUENT TREATMENT PLANT:

Sr. No.	Parameter	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average	
A	Raw Effluent Quality:										
1	Flow	m ³ /day	50.91	58.62	51.20	68.37	64.81	55.28	57.79	58.14	
2	pH	---	6.04	7.55	7.52	7.27	6.11	7.02	7.03	6.93	
3	Biochemical Oxygen Demand (BOD5)	mg/l	1,671	2,148	1,881	2,156	2,178	1,606	1,952	1,942	
4	Chemical Oxygen Demand (COD)	mg/l	3,476	6,702	5,831	7,050	7,579	3,340	4,451	5,490	
5	Total Suspended Solids (TSS)	mg/l	3,242	4,382	3,160	4,937	3,899	3,035	4,119	3,825	
6	Total Dissolve Solids (TDS)	mg/l	1,675	1,587	1,547	1,567	1,735	1,722	1,500	1,619	
B	Treated Effluent Quality:										
1	pH	---	7.29	6.99	7.38	7.26	6.72	7.14	6.93	7.10	
2	Biochemical Oxygen Demand (BOD5)	mg/l	8	8	8	5	6	5	8	7	
3	Chemical Oxygen Demand (COD)	mg/l	70	61	57	59	81	52	85	66	
4	Total Suspended Solids (TSS)	mg/l	9	9	9	6	7	6	9	8	
5	Total Dissolve Solids (TDS)	mg/l	1,709	1,682	1,609	1,598	1,804	1,808	1,605	1,688	

6 DISPOSAL OF INERT:

Sr. No.	Description	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average
1	As per Tender: Maximum 10% of Inerts of the Total Input Waste (excluding Mulched Tree Waste) as received in the Facility.									
2	Input Waste	TPD	98.14	97.59	113.94	99.89	93.10	96.15	91.39	98.60
3	Inert Fraction	Kg	5,790	5,710	6,760	6,040	5,930	5,770	5,650	5,950
4	% of Total Input Waste.....3/2	%	5.90%	5.85%	5.93%	6.05%	6.37%	6.00%	6.18%	6.04%

7 HOUSEKEEPING:

Sr. No.	Description	Unit	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr	21-Apr	Weekly Average
1	Hygienic Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
2	Cleanliness	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
3	Manpower Deployed	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
4	Safety Norms	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
5	Treatment Methodology	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
6	Storage Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted

1 INPUT WASTE COMPOSITION:

Sr. No.	Description	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average	
A Input Waste:											
1	Dry Waste	TPD	0.36	0.23	1.06	0.69	2.12	0.87	1.83	1.02	1.09%
2	Wet Waste	TPD	6.66	10.29	12.31	7.96	5.36	5.57	1.07	7.03	7.49%
3	Mixed Waste	TPD	89.51	77.40	92.14	86.42	81.49	88.90	83.20	85.58	91.16%
4	Mulched Tree waste	TPD	0.00	0.09	0.00	0.00	1.63	0.00	0.00	0.25	0.26%
5	Total.....1+2+3+4	TPD	96.53	88.01	105.51	95.07	90.60	95.34	86.10	93.88	100.00%
B Input Waste Composition:											
1	Organic / Bio degradable Fraction	65.00%	49.45	47.21	56.54	49.01	44.23	47.62	40.51	47.80	50.91%
2	Inorganic / Non-recyclable Fraction (RDF)		28.70	25.14	30.29	28.16	28.20	31.90	22.82	27.89	29.71%
3	Recyclables	14.00%	12.57	10.00	10.90	11.60	12.64	11.07	10.75	11.36	12.10%
	Glass	0.05-0.1%	0.05	0.04	0.11	0.07	0.05	0.05	0.04	0.06	0.06%
	Metal	0.3-0.5%	0.43	0.30	0.47	0.35	0.35	0.31	0.41	0.38	0.40%
	Paper / Cardboard / Tetrapack	1.5-3.0%	1.76	1.56	2.48	2.84	2.09	1.82	2.07	2.09	2.22%
	Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics	3.5- 7.5%	5.27	4.07	3.96	4.40	5.57	4.56	4.02	4.55	4.85%
	Thermocoal / Styrofoam	0.05-0.1%	0.08	0.09	0.11	0.06	0.08	0.07	0.05	0.08	0.08%
	Cloth / Rags / Textiles	1.0-2.5%	2.29	1.42	1.64	1.45	2.01	2.35	2.08	1.89	2.01%
	Rubber Items	0.25-0.5%	0.43	0.41	0.30	0.48	0.28	0.43	0.34	0.38	0.41%
	Coconut	1.5-3.5%	2.26	2.11	1.85	1.96	2.20	1.50	1.73	1.94	2.07%
4	Inert	10.00%	5.81	5.66	7.78	6.30	5.53	4.75	12.02	6.84	7.28%
5	Mulched Tree Waste	11.00%	0.00	0.09	0.00	0.00	1.63	0.00	0.00		
	Total.....1+2+3+4+5	100.00%									100.00%

2 RECYCLABLES:

Sr. No.	Description	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average	
A Recyclables:											
1	Glass	Kg	48	44	106	67	45	48	43	57	
2	Metal	Kg	434	299	475	352	353	305	413	376	
3	Tetrapack	Kg	83	65	141	151	71	98	120	104	
4	Paper / Cardboard	Kg	1,674	1,492	2,338	2,692	2,022	1,723	1,947	1,984	
	Total.....3+4	Kg	1,757	1,557	2,479	2,843	2,093	1,821	2,067	2,088	
5	Plastic Films	Kg	4,317	3,472	3,438	3,711	4,848	3,828	3,478	3,870	
6	Hard Plastic	Kg	432	236	285	299	334	447	221	322	
7	Pet	Kg	522	358	233	392	390	283	322	357	
	Total.....5+6+7	Kg	5,271	4,066	3,956	4,402	5,572	4,558	4,021	4,549	
8	Thermocal	Kg	77	88	106	57	82	67	52	76	
9	Cloth / Rags / Textile	Kg	1,830	1,177	1,254	1,061	1,677	1,672	1,706	1,482	
10	Jute Bags	Kg	458	239	381	384	334	673	369	405	
	Total.....9+10	Kg	2,288	1,416	1,635	1,445	2,011	2,345	2,075	1,888	
11	Leather / Rubber / Rexine	Kg	434	414	295	475	281	429	344	382	
12	Coconut	Kg	2,259	2,112	1,846	1,958	2,202	1,497	1,731	1,944	
13	Total	Kg	12,568	9,996	10,898	11,599	12,639	11,070	10,746	11,359	
		TPD	12.57	10.00	10.90	11.60	12.64	11.07	10.75	11.36	

3 ELECTRICITY GENERATION:

Sr. No.	Description	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average	
A Biogas Gensets:											
1	Biogas Genset-I: Running Time	hr	23.50	23.35	23.40	23.70	20.00	18.15	23.80	22.27	
2	Biogas Genset-I: Energy Generation	kW.hr	3,680	3,660	3,720	3,830	3,140	2,860	3,780	3,524	
3	Biogas Genset-II: Running Time	hr	23.70	23.35	23.50	23.70	18.70	18.00	23.80	22.11	
4	Biogas Genset-II: Energy Generation	kW.hr	3,780	3,710	3,800	3,900	3,100	2,900	3,840	3,576	
5	Total.....2+4	kW.hr	7,460	7,370	7,520	7,730	6,240	5,760	7,620	7,100	
B Electricity Generation:											
1	As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per per 100 tons of Input Biodegradable Waste as received in the Facility.										
2	Biodegradable Waste.....1.B4	Tons	49.45	47.21	56.54	49.01	44.23	47.62	40.51	47.80	
3	Electricity Generation required as per Tender.....0.4 x 1000 x B2/100	kWH	198	189	226	196	177	190	162	191	
4	Electricity generated..... (A2/A1) + (A4/A3)	kWH	316	316	321	326	323	319	320	320	

4 BIOGAS FLARE:

Sr. No.	Parameter	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average	
2	Operation Time	hr/day	0.65	1.63	2.58	2.00	0.35	1.22	1.62	1.44	

5 EFFLUENT TREATMENT PLANT:

Sr. No.	Parameter	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average	
A	Raw Effluent Quality:										
1	Flow	m ³ /day	54.74	58.28	63.99	53.96	50.90	63.43	59.62	57.85	
2	pH	---	6.18	6.29	7.89	7.97	6.44	7.75	6.92	7.06	
3	Biochemical Oxygen Demand (BOD5)	mg/l	1,697	1,799	1,904	1,660	1,913	2,046	2,249	1,895	
4	Chemical Oxygen Demand (COD)	mg/l	5,600	5,469	4,855	3,453	4,438	6,097	7,287	5,314	
5	Total Suspended Solids (TSS)	mg/l	2,970	3,886	4,246	4,017	4,649	4,951	3,598	4,045	
6	Total Dissolve Solids (TDS)	mg/l	1,779	1,650	1,524	1,523	1,714	1,714	1,573	1,640	
B	Treated Effluent Quality:										
1	pH	---	7.09	6.74	6.92	6.82	7.44	7.18	7.18	7.05	
2	Biochemical Oxygen Demand (BOD5)	mg/l	5	7	8	9	9	7	7	7	
3	Chemical Oxygen Demand (COD)	mg/l	58	87	62	69	58	68	78	69	
4	Total Suspended Solids (TSS)	mg/l	6	8	9	10	10	8	8	8	
5	Total Dissolve Solids (TDS)	mg/l	1,868	1,700	1,676	1,523	1,765	1,800	1,667	1,714	

6 DISPOSAL OF INERT:

Sr. No.	Description	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average
1	As per Tender: Maximum 10% of Inerts of the Total Input Waste (excluding Mulched Tree Waste) as received in the Facility.									
2	Input Waste	TPD	96.53	88.01	105.51	95.07	90.60	95.34	86.10	93.88
3	Inert Fraction	Kg	5,810	5,660	7,780	6,300	5,530	4,750	12,020	6,836
4	% of Total Input Waste.....3/2	%	6.02%	6.43%	7.37%	6.63%	6.10%	4.98%	13.96%	7.36%

7 HOUSEKEEPING:

Sr. No.	Description	Unit	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	Weekly Average
1	Hygienic Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
2	Cleanliness	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
3	Manpower Deployed	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
4	Safety Norms	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
5	Treatment Methodology	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted
6	Storage Conditions	---	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted	Accepted

1 INPUT WASTE COMPOSITION:

Sr. No.	Description	Unit	29-Apr	30-Apr	Weekly Average		Monthly Average		
A Input Waste:									
1	Dry Waste	TPD	0.00	0.00	0.00	0.00	1.02	1.04%	
2	Wet Waste	TPD	5.36	9.62	7.49	0.08	8.20	8.53%	
3	Mixed Waste	TPD	87.32	79.72	83.52	0.91	86.48	90.06%	
4	Mulched Tree waste	TPD	0.75	0.58	0.67	0.01	0.35	0.37%	
5	Total.....1+2+3+4	TPD	93.43	89.92	91.68	100.00%	96.04	100.00%	
B Input Waste Composition:									
1	Organic / Bio degradable Fraction	65.00%	47.36	47.73	47.55	51.86%	48.95	50.98%	
2	Inorganic / Non-recyclable Fraction (RDF)		24.99	23.25	24.12	26.31%	28.26	29.39%	
3	Recyclables	14.00%	14.38	12.47	13.43	14.64%	12.54	13.07%	
	Glass	0.05-0.1%	0.07	0.07	0.07	0.07%	0.07	0.07%	
	Metal	0.3-0.5%	0.35	0.38	0.36	0.39%	0.39	0.40%	
	Paper / Cardboard / Tetrapack	1.5-3.0%	2.46	2.43	2.44	2.66%	2.24	2.33%	
	Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics	3.5- 7.5%	6.25	5.37	5.81	6.34%	5.23	5.46%	
	Thermocoal / Styrofoam	0.05-0.1%	0.09	0.06	0.08	0.09%	0.07	0.07%	
	Cloth / Rags / Textiles	1.0-2.5%	1.57	1.80	1.68	1.84%	1.88	1.95%	
	Rubber Items	0.25-0.5%	0.38	0.24	0.31	0.34%	0.36	0.38%	
	Coconut	1.5-3.5%	3.21	2.12	2.67	2.91%	2.30	2.40%	
4	Inert	10.00%	6.70	6.47	6.59	7.18%	6.29	6.56%	
5	Mulched Tree Waste	11.00%	0.75	0.58					
	Total.....1+2+3+4+5	100.00%				100.00%		100.00%	

2 RECYCLABLES:

Sr. No.	Description	Unit	29-Apr	30-Apr	Weekly Average		Monthly Average		
A Recyclables:									
1	Glass	Kg	65	72	69		69		
2	Metal	Kg	346	378	362		388		
3	Tetrapack	Kg	76	143	110		108		
4	Paper / Cardboard	Kg	2,381	2,285	2,333		2,130		
	Total.....3+4	Kg	2,457	2,428	2,443		2,238		
5	Plastic Films	Kg	5,607	4,563	5,085		4,474		
6	Hard Plastic	Kg	313	462	388		380		
7	Pet	Kg	331	344	338		380		
	Total.....5+6+7	Kg	6,251	5,369	5,810		5,234		
8	Thermocal	Kg	93	63	78		71		
9	Cloth / Rags / Textile	Kg	1,251	1,394	1,323		1,467		
10	Jute Bags	Kg	319	405	362		410		
	Total.....9+10	Kg	1,570	1,799	1,685		1,876		
11	Leather / Rubber / Rexine	Kg	383	243	313		364		
12	Coconut	Kg	3,214	2,122	2,668		2,299		
13	Total	Kg	14,379	12,474	13,427		12,539		
		TPD	14.38	12.47	13.43		12.54		

3 ELECTRICITY GENERATION:

Sr. No.	Description	Unit	29-Apr	30-Apr	Weekly Average		Monthly Average		
A Biogas Gensets:									
1	Biogas Genset-I: Running Time	hr	23.35	23.85	23.60		20.60		
2	Biogas Genset-I: Energy Generation	kW.hr	3,640	3,710	3,675		3,010		
3	Biogas Genset-II: Running Time	hr	22.55	22.45	22.50		19.95		
4	Biogas Genset-II: Energy Generation	kW.hr	3,550	3,540	3,545		2,842		
5	Total.....2+4	kW.hr	7,190	7,250	7,220		5,853		
B Electricity Generation:									
1	As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per per 100 tons of Input Biodegradable Waste as received in the Facility.								
2	Biodegradable Waste.....1.B4	Tons	47.36	47.73	47.55		48.95		
3	Electricity Generation required as per Tender.....0.4 x 1000 x B2/100	kWH	189	191	190		196		
4	Electricity generated..... (A2/A1) + (A4/A3)	kWH	313	313	313		280		

4 BIOGAS FLARE:

Sr. No.	Parameter	Unit	29-Apr	30-Apr	Weekly Average		Monthly Average	
2	Operation Time	hr/day	0.57	1.40	0.99		3.12	

5 EFFLUENT TREATMENT PLANT:

Sr. No.	Parameter	Unit	29-Apr	30-Apr	Weekly Average	Monthly Average
A	Raw Effluent Quality:					
1	Flow	m ³ /day	57.80	61.47	59.64	59.35
2	pH	---	6.89	6.21	6.55	6.83
3	Biochemical Oxygen Demand (BOD5)	mg/l	2,163	2,458	2,311	2,026
4	Chemical Oxygen Demand (COD)	mg/l	6,943	7,694	7,319	5,906
5	Total Suspended Solids (TSS)	mg/l	5,213	4,572	4,893	4,093
6	Total Dissolve Solids (TDS)	mg/l	1,592	1,688	1,640	1,651
B	Treated Effluent Quality:					
1	pH	---	7.45	7.02	7.24	7.05
2	Biochemical Oxygen Demand (BOD5)	mg/l	5	6	6	7
3	Chemical Oxygen Demand (COD)	mg/l	72	65	69	69
4	Total Suspended Solids (TSS)	mg/l	6	7	7	8
5	Total Dissolve Solids (TDS)	mg/l	1,735	1,705	1,720	1,732

6 DISPOSAL OF INERT:

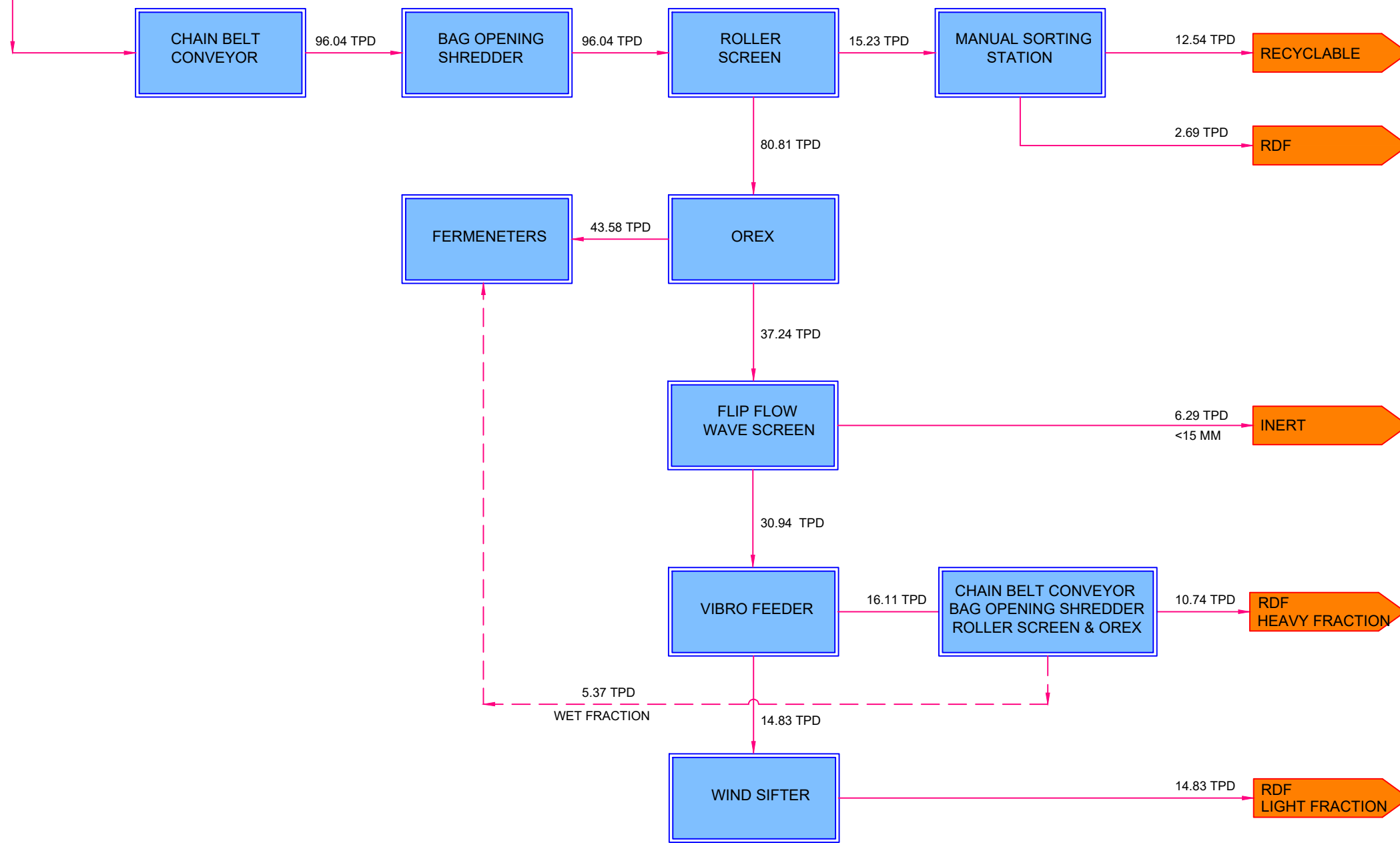
Sr. No.	Description	Unit	29-Apr	30-Apr	Weekly Average	Monthly Average
1	As per Tender: Maximum 10% of Inerts of the Total Input Waste (excluding Mulched Tree Waste) as received in the Facility.					
2	Input Waste	TPD	93.43	89.92	91.68	96.04
3	Inert Fraction	Kg	6,700	6,470	6,585	6,295
		TPD	6.70	6.47	6.59	6.29
4	% of Total Input Waste.....3/2	%	7.17%	7.20%	7.18%	6.58%

7 HOUSEKEEPING:

Sr. No.	Description	Unit	29-Apr	30-Apr	Weekly Average	Monthly Average
1	Hygienic Conditions	---	Accepted	Accepted	Accepted	Accepted
2	Cleanliness	---	Accepted	Accepted	Accepted	Accepted
3	Manpower Deployed	---	Accepted	Accepted	Accepted	Accepted
4	Safety Norms	---	Accepted	Accepted	Accepted	Accepted
5	Treatment Methodology	---	Accepted	Accepted	Accepted	Accepted
6	Storage Conditions	---	Accepted	Accepted	Accepted	Accepted

INPUT WASTE		
SR. NO.	NAME	WEIGHT (TPD)
1	RECYCLABLES	12.54
2	RDF	28.26
3	WET FRACTION	48.95
4	INERT	6.29
TOTAL		96.04

NUMBER OF RECYCLABLE FRACTIONS		
SR. NO.	NAME	WEIGHT (KG)
01	GLASS	69
02	METALS	388
03	TETRAPACK	108
04	PAPER/CARDBOARD	2130
05	PLASTIC FILM	4474
06	HARD PLASTIC	380
07	PET	380
08	THERMOCAL	71
09	CLOTH/RAGS/TEXTILE	1467
10	JUTE BAGS	410
11	LEATHER/RUBBER/REXINE	364
12	COCONUT	2299
TOTAL		12539



OWNER: .
 DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT.
 THE MANAGING ASSOCIATE:
 GOA STATE INFRASTRUCTURE DEVELOPMENT LTD.
 CONTRACTOR:
 M/s HINDUSTAN WASTE TREATMENT PVT. LTD.

NAME	SIGN	DATE
DRWN CS		02/05/17
DSGN SG		02/05/17
CHKD SG		02/05/17
APPD GK		02/05/17

TITLE :
 ANNEXURE -1:
 MASS BALANCE
 APRIL 2017 (01-04-2017 TO 30-04-2017)

SCALE
 NTS
 SIZE
 A3
 REV.
 R0