

**Monthly Performance Report  
(From 01/09/2016 to 30/09/2016)  
(HWT-NG100-MPR-02-R0)**

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

*Prepared By*  
**Hindustan Waste Treatment Pvt. Ltd.**

*Submitted To:*  
**Government of Goa  
Department of Science, Technology &  
Environment**

#	Plant Performance Data: September 2016		
Sr. No.	Content	Month	Signature
1	Input Waste Composition	September 2016 From 01.09.2016 To 30.09.2016	
2	Recyclables Fractions		
3	Electricity Generation		
4	Flare Operation		
5	Effluent Treatment Plant		
6	Inert Fraction		
7	Housekeeping		

**1 INPUT WASTE COMPOSITION:**

Sr. No.	Parameter	Unit	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	Weekly Average	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	Weekly Average
<b>A Input Waste:</b>																		
1	Dry Waste	TPD	1.68	1.74	2.95	0.00	0.46	3.16	0.30	1.47	0.00	0.00	0.00	0.00	2.80	0.50	3.86	1.02
2	Wet Waste	TPD	12.13	10.86	12.56	10.69	7.86	11.00	11.51	10.94	0.00	0.00	14.17	13.07	14.08	13.00	14.17	9.78
3	Mixed Waste	TPD	50.67	52.38	56.20	50.63	48.92	49.15	45.94	50.56	59.23	71.89	35.37	45.85	61.16	42.70	48.02	52.03
4	Mulched Tree waste	TPD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.11
5	<b>Total.....1+2+3+4</b>	<b>TPD</b>	<b>64.48</b>	<b>64.98</b>	<b>71.71</b>	<b>61.32</b>	<b>57.24</b>	<b>63.31</b>	<b>57.75</b>	<b>62.97</b>	<b>59.23</b>	<b>71.89</b>	<b>49.54</b>	<b>59.68</b>	<b>78.04</b>	<b>56.20</b>	<b>66.05</b>	<b>62.95</b>
<b>B Organic / Biodegradable Fraction in Input Waste:</b>																		
1	% of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	%	57.62%	56.78%	60.26%	56.55%	54.39%	61.28%	55.73%	57.52%	0.00%	47.33%	46.92%	50.56%	48.12%	51.31%	50.74%	42.14%
2	Qty. of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis) (A-3 x B-1)	TPD	29.20	29.74	33.87	28.63	26.61	30.12	25.60	29.11	0.00	34.03	16.60	23.18	29.43	21.91	24.37	21.36
3	Quantity of Segregated Wet Waste delivered to Plant	TPD	23.35	28.53	18.39	20.43	33.12	20.70	30.66	25.03	34.96	40.47	13.82	23.03	29.87	17.27	7.27	23.81
4	<b>Total.....2+3</b>	<b>TPD</b>	<b>35.48</b>	<b>39.39</b>	<b>30.95</b>	<b>31.12</b>	<b>40.98</b>	<b>31.70</b>	<b>42.17</b>	<b>35.97</b>	<b>34.96</b>	<b>40.47</b>	<b>27.99</b>	<b>36.10</b>	<b>43.95</b>	<b>30.27</b>	<b>21.44</b>	<b>33.60</b>
5	<b>Revised Overall % of Biodegradable Waste.....B-4/A-5</b>	<b>%</b>	<b>55.03%</b>	<b>60.62%</b>	<b>43.15%</b>	<b>50.76%</b>	<b>71.59%</b>	<b>50.08%</b>	<b>73.03%</b>	<b>57.75%</b>	<b>59.02%</b>	<b>56.29%</b>	<b>56.50%</b>	<b>60.48%</b>	<b>56.31%</b>	<b>53.86%</b>	<b>32.46%</b>	<b>53.56%</b>
<b>C Recyclables:</b>																		
1	Plastic Film / LDPE Bags	Kg	0	0	5,119	4,897	0	0	0	1,431	2,784	4,730	0	0	4,299	3,560	5,648	3,003
2	Multi-layered Plastic Packs	Kg	0	0	0	0	0	0	0	0	0	0	0	0	122	0	0	17
3	Hard Plastic	Kg	190	108	0	0	0	143	82	75	105	0	0	82	0	287	0	68
4	Pet	Kg	123	131	0	0	0	180	100	76	172	0	0	139	254	1,512	0	297
	<b>Total.....1+2+3+4</b>	<b>Kg</b>	<b>313</b>	<b>239</b>	<b>5,119</b>	<b>4,897</b>	<b>0</b>	<b>323</b>	<b>182</b>	<b>1,582</b>	<b>3,061</b>	<b>4,730</b>	<b>0</b>	<b>221</b>	<b>4,675</b>	<b>5,359</b>	<b>5,648</b>	<b>3,385</b>
5	Tetrapack	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Paper / Cardboard	Kg	0	0	1,985	0	0	0	0	284	1,784	530	0	0	640	730	769	636
	<b>Total.....5+6</b>	<b>Kg</b>	<b>0</b>	<b>0</b>	<b>1,985</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>1,784</b>	<b>530</b>	<b>0</b>	<b>0</b>	<b>640</b>	<b>730</b>	<b>769</b>	<b>636</b>
7	Cloth / Rags / Textile	Kg	1,000	0	1,310	0	0	0	0	330	0	0	0	0	1,310	0	1,540	407
8	Jute Bags	Kg	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	9
	<b>Total.....7+8</b>	<b>Kg</b>	<b>1,000</b>	<b>0</b>	<b>1,310</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,370</b>	<b>0</b>	<b>1,540</b>	<b>416</b>
9	Glass	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Metal	Kg	50	57	0	0	0	124	0	33	420	0	0	621	0	153	0	171
11	Footwear	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Leather / Rubber / Rexine	Kg	0	0	0	120	0	0	0	17	0	0	0	120	0	0	0	17
	<b>Total.....11+12</b>	<b>Kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>
13	Thermocal	Kg	51	62	0	0	0	0	15	18	20	10	0	42	37	20	0	18
14	Coconut	Kg	730	0	0	930	0	1,390	0	436	580	720	7,440	990	1,120	1,660	0	1,787
15	<b>Total</b>	<b>Kg</b>	<b>2,144</b>	<b>358</b>	<b>8,414</b>	<b>5,947</b>	<b>0</b>	<b>1,837</b>	<b>197</b>	<b>2,700</b>	<b>5,865</b>	<b>5,990</b>	<b>7,440</b>	<b>1,994</b>	<b>7,842</b>	<b>7,922</b>	<b>7,957</b>	<b>6,430</b>
		<b>TPD</b>	<b>2.14</b>	<b>0.36</b>	<b>8.41</b>	<b>5.95</b>	<b>0.00</b>	<b>1.84</b>	<b>0.20</b>	<b>2.70</b>	<b>5.87</b>	<b>5.99</b>	<b>7.44</b>	<b>1.99</b>	<b>7.84</b>	<b>7.92</b>	<b>7.96</b>	<b>6.43</b>
<b>D RDF:</b>																		
1	Sorting Station Leftover (Pass-2)	Kg	1,310	1,740	2,410	1,440	1,780	1,480	1,820	1,711	4,030	3,560	1,660	1,020	2,380	2,490	2,700	2,549
2	Heavy Fraction (Pass-2)	Kg	10,660	10,410	5,130	12,110	2,530	10,370	2,380	7,656	4,600	7,360	2,300	7,170	10,440	4,430	16,000	7,471
3	Light Fraction	Kg	9,910	8,290	17,980	6,010	7,490	13,200	7,680	10,080	6,380	9,290	5,900	7,970	9,800	6,630	12,780	8,393
4	<b>Total.....1+2+3</b>	<b>Kg</b>	<b>21,880</b>	<b>20,440</b>	<b>25,520</b>	<b>19,560</b>	<b>11,800</b>	<b>25,050</b>	<b>11,880</b>	<b>19,447</b>	<b>15,010</b>	<b>20,210</b>	<b>9,860</b>	<b>16,160</b>	<b>22,620</b>	<b>13,550</b>	<b>31,480</b>	<b>18,413</b>
		<b>TPD</b>	<b>21.88</b>	<b>20.44</b>	<b>25.52</b>	<b>19.56</b>	<b>11.80</b>	<b>25.05</b>	<b>11.88</b>	<b>19.45</b>	<b>15.01</b>	<b>20.21</b>	<b>9.86</b>	<b>16.16</b>	<b>22.62</b>	<b>13.55</b>	<b>31.48</b>	<b>18.41</b>
5	Calorific Value	kCal/kg	5,132	4,638	5,303	5,286	4,779	5,453	5,319	5,130	5,367	5,332	5,390	5,428	5,461	5,374	5,010	5,337
<b>E Inert:</b>																		
1	Inert	Kg	4,975	4,790	6,830	4,690	4,460	4,720	3,500	4,852	3,400	5,220	4,250	5,430	3,630	4,460	5,170	4,509
		TPD	4.98	4.79	6.83	4.69	4.46	4.72	3.50	4.85	3.40	5.22	4.25	5.43	3.63	4.46	5.17	4.51

**1 INPUT WASTE COMPOSITION:**

Sr. No.	Parameter	Unit	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	Weekly Average	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	Weekly Average
<b>A Input Waste:</b>																		
1	Dry Waste	TPD	2.36	3.20	2.05	1.08	3.03	2.26	3.18	2.45	3.23	1.93	0.76	2.18	2.21	1.87	1.83	2.00
2	Wet Waste	TPD	17.19	14.64	19.58	15.14	18.11	15.98	13.60	16.32	20.23	16.28	20.74	19.18	20.86	22.30	17.60	19.60
3	Mixed Waste	TPD	60.70	51.14	57.92	50.39	65.00	55.31	53.77	56.32	55.06	55.90	66.37	54.25	68.71	52.89	61.22	59.20
4	Mulched Tree waste	TPD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	1.32	0.00	0.29
5	<b>Total.....1+2+3+4</b>	<b>TPD</b>	<b>80.25</b>	<b>68.98</b>	<b>79.55</b>	<b>66.61</b>	<b>86.14</b>	<b>73.55</b>	<b>70.55</b>	<b>75.09</b>	<b>78.52</b>	<b>74.11</b>	<b>87.87</b>	<b>76.32</b>	<b>91.78</b>	<b>78.38</b>	<b>80.65</b>	<b>81.09</b>
<b>B Organic / Biodegradable Fraction in Input Waste:</b>																		
1	% of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	%	54.39%	45.00%	41.20%	46.61%	45.21%	41.15%	44.07%	45.38%	43.93%	47.00%	46.61%	47.80%	46.31%	55.00%	52.00%	48.38%
2	Qty. of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis) (A-3 x B-1)	TPD	33.01	23.01	23.86	23.49	29.39	22.76	23.70	25.60	24.19	26.27	30.94	25.93	31.82	29.09	31.83	28.58
3	Quantity of Segregated Wet Waste delivered to Plant	TPD	18.90	17.88	29.10	20.17	31.90	24.64	22.25	23.55	20.42	23.89	21.90	21.04	15.43	18.64	17.72	19.86
4	<b>Total.....2+3</b>	<b>TPD</b>	<b>36.09</b>	<b>32.52</b>	<b>48.68</b>	<b>35.31</b>	<b>50.01</b>	<b>40.62</b>	<b>35.85</b>	<b>39.87</b>	<b>40.65</b>	<b>40.17</b>	<b>42.64</b>	<b>40.22</b>	<b>36.29</b>	<b>40.94</b>	<b>35.32</b>	<b>39.46</b>
5	<b>Revised Overall % of Biodegradable Waste.....B-4/A-5</b>	<b>%</b>	<b>44.97%</b>	<b>47.14%</b>	<b>61.19%</b>	<b>53.01%</b>	<b>58.06%</b>	<b>55.22%</b>	<b>50.81%</b>	<b>52.92%</b>	<b>51.77%</b>	<b>54.21%</b>	<b>48.53%</b>	<b>52.70%</b>	<b>39.54%</b>	<b>52.23%</b>	<b>43.79%</b>	<b>48.97%</b>
<b>C Recyclables:</b>																		
1	Plastic Film / LDPE Bags	Kg	5,817	4,120	5,730	3,954	7,982	4,925	6,064	5,513	4,980	3,099	4,900	4,841	6,953	3,360	4,784	4,702
2	Multi-layered Plastic Packs	Kg	495	0	0	0	0	0	0	71	0	0	0	165	0	59	0	32
3	Hard Plastic	Kg	0	4,120	0	4,010	217	104	145	1,228	138	78	150	165	89	0	118	105
4	Pet	Kg	0	274	0	247	209	155	466	193	173	128	234	190	1,644	118	384	410
	<b>Total.....1+2+3+4</b>	<b>Kg</b>	<b>6,312</b>	<b>8,514</b>	<b>5,730</b>	<b>8,211</b>	<b>8,408</b>	<b>5,184</b>	<b>6,675</b>	<b>7,005</b>	<b>5,291</b>	<b>3,305</b>	<b>5,284</b>	<b>5,361</b>	<b>8,686</b>	<b>3,537</b>	<b>5,286</b>	<b>5,250</b>
5	Tetrapack	Kg	427	0	0	0	0	49	0	68	458	0	50	0	0	0	0	73
6	Paper / Cardboard	Kg	971	1,068	1,030	0	0	1,661	1,652	912	354	1,065	0	0	0	0	0	203
	<b>Total.....5+6</b>	<b>Kg</b>	<b>1,398</b>	<b>1,068</b>	<b>1,030</b>	<b>0</b>	<b>0</b>	<b>1,710</b>	<b>1,652</b>	<b>980</b>	<b>812</b>	<b>1,065</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>275</b>
7	Cloth / Rags / Textile	Kg	2,060	0	0	0	0	0	720	397	3,125	1,380	1,260	1,740	1,640	1,460	2,170	1,825
8	Jute Bags	Kg	0	0	0	0	0	0	0	0	0	330	500	400	520	570	0	331
	<b>Total.....7+8</b>	<b>Kg</b>	<b>2,060</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>720</b>	<b>397</b>	<b>3,125</b>	<b>1,710</b>	<b>1,760</b>	<b>2,140</b>	<b>2,160</b>	<b>2,030</b>	<b>2,170</b>	<b>2,156</b>
9	Glass	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Metal	Kg	560	0	0	0	770	180	269	254	650	88	114	88	1,019	53	88	300
11	Footwear	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Leather / Rubber / Rexine	Kg	0	0	0	0	0	0	260	37	0	190	520	300	410	380	500	329
	<b>Total.....11+12</b>	<b>Kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>260</b>	<b>37</b>	<b>0</b>	<b>190</b>	<b>520</b>	<b>300</b>	<b>410</b>	<b>380</b>	<b>500</b>	<b>329</b>
13	Thermocal	Kg	0	0	0	0	0	0	89	13	0	40	0	48	11	13	48	23
14	Coconut	Kg	830	1,060	0	0	2,400	830	1,200	903	1,070	1,060	750	880	850	1,700	1,400	1,101
15	<b>Total</b>	<b>Kg</b>	<b>11,160</b>	<b>10,642</b>	<b>6,760</b>	<b>8,211</b>	<b>11,578</b>	<b>7,904</b>	<b>10,865</b>	<b>9,589</b>	<b>10,948</b>	<b>7,458</b>	<b>8,478</b>	<b>8,817</b>	<b>13,136</b>	<b>7,713</b>	<b>9,492</b>	<b>9,435</b>
		<b>TPD</b>	<b>11.16</b>	<b>10.64</b>	<b>6.76</b>	<b>8.21</b>	<b>11.58</b>	<b>7.90</b>	<b>10.87</b>	<b>9.59</b>	<b>10.95</b>	<b>7.46</b>	<b>8.48</b>	<b>8.82</b>	<b>13.14</b>	<b>7.71</b>	<b>9.49</b>	<b>9.43</b>
<b>D RDF:</b>																		
1	Sorting Station Leftover (Pass-2)	Kg	2,330	1,030	2,270	2,620	1,370	1,890	3,470	2,140	2,730	3,140	2,820	2,520	3,250	3,560	3,880	3,129
2	Heavy Fraction (Pass-2)	Kg	13,950	10,360	12,360	8,960	4,310	8,820	5,710	9,210	8,570	8,570	10,940	7,610	12,520	7,890	10,160	9,466
3	Light Fraction	Kg	10,670	9,700	6,260	6,830	11,820	9,570	8,720	9,081	9,480	8,950	16,420	11,420	18,790	11,840	15,240	13,163
4	<b>Total.....1+2+3</b>	<b>Kg</b>	<b>26,950</b>	<b>21,090</b>	<b>20,890</b>	<b>18,410</b>	<b>17,500</b>	<b>20,280</b>	<b>17,900</b>	<b>20,431</b>	<b>20,780</b>	<b>20,660</b>	<b>30,180</b>	<b>21,550</b>	<b>34,560</b>	<b>23,290</b>	<b>29,280</b>	<b>25,757</b>
		<b>TPD</b>	<b>26.95</b>	<b>21.09</b>	<b>20.89</b>	<b>18.41</b>	<b>17.50</b>	<b>20.28</b>	<b>17.90</b>	<b>20.43</b>	<b>20.78</b>	<b>20.66</b>	<b>30.18</b>	<b>21.55</b>	<b>34.56</b>	<b>23.29</b>	<b>29.28</b>	<b>25.76</b>
5	Calorific Value	kCal/kg	4,998	4,843	4,874	5,025	5,123	6,042	4,419	5,046	5,597	5,597	4,746	4,823	4,720	4,968	5,177	5,090
<b>E Inert:</b>																		
1	Inert	Kg	6,050	4,730	3,220	4,680	7,050	4,750	5,940	5,203	6,140	5,820	6,570	5,730	7,790	6,440	6,560	6,436
		<b>TPD</b>	<b>6.05</b>	<b>4.73</b>	<b>3.22</b>	<b>4.68</b>	<b>7.05</b>	<b>4.75</b>	<b>5.94</b>	<b>5.20</b>	<b>6.14</b>	<b>5.82</b>	<b>6.57</b>	<b>5.73</b>	<b>7.79</b>	<b>6.44</b>	<b>6.56</b>	<b>6.44</b>

**1 INPUT WASTE COMPOSITION:**

Sr. No.	Parameter	Unit	29-Sep	30-Sep	Monthly Average
<b>A Input Waste:</b>					
1	Dry Waste	TPD	2.73		1.94
2	Wet Waste	TPD	20.78		15.49
3	Mixed Waste	TPD	57.54		55.13
4	Mulched Tree waste	TPD	4.88		1.06
5	<b>Total.....1+2+3+4</b>	<b>TPD</b>	<b>85.93</b>		<b>73.61</b>
<b>B Organic / Biodegradable Fraction in Input Waste:</b>					
1	% of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	%	45.72%		47.83%
2	Qty. of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis) (A-3 x B-1)	TPD	26.31		26.19
3	Quantity of Segregated Wet Waste delivered to Plant	TPD	21.21		22.69
4	<b>Total.....2+3</b>	<b>TPD</b>	<b>41.99</b>		<b>38.18</b>
5	<b>Revised Overall % of Biodegradable Waste.....B-4/A-5</b>	<b>%</b>	<b>48.87%</b>		<b>52.41%</b>
<b>C Recyclables:</b>					
1	Plastic Film / LDPE Bags	Kg	231		2,976
2	Multi-layered Plastic Packs	Kg	0		24
3	Hard Plastic	Kg	0		295
4	Pet	Kg	173		230
	<b>Total.....1+2+3+4</b>	<b>Kg</b>	<b>404</b>		<b>3,525</b>
5	Tetrapack	Kg	0		28
6	Paper / Cardboard	Kg	0		407
	<b>Total.....5+6</b>	<b>Kg</b>	<b>0</b>		<b>435</b>
7	Cloth / Rags / Textile	Kg	2,060		1,004
8	Jute Bags	Kg	0		68
	<b>Total.....7+8</b>	<b>Kg</b>	<b>2,060</b>		<b>1,072</b>
9	<b>Glass</b>	<b>Kg</b>	<b>0</b>		<b>0</b>
10	<b>Metal</b>	<b>Kg</b>	<b>0</b>		<b>152</b>
11	Footwear	Kg	0		0
12	Leather / Rubber / Rexine	Kg	300		140
	<b>Total.....11+12</b>	<b>Kg</b>	<b>300</b>		<b>140</b>
13	<b>Thermocal</b>	<b>Kg</b>	<b>66</b>		<b>28</b>
14	<b>Coconut</b>	<b>Kg</b>	<b>0</b>		<b>845</b>
15	<b>Total</b>	<b>Kg</b>	<b>2,830</b>		<b>6,197</b>
		<b>TPD</b>	<b>2.83</b>		<b>6.20</b>
<b>D RDF:</b>					
1	Sorting Station Leftover (Pass-2)	Kg	1,620		2,230
2	Heavy Fraction (Pass-2)	Kg	12,920		9,345
3	Light Fraction	Kg	19,380		12,019
4	<b>Total.....1+2+3</b>	<b>Kg</b>	<b>33,920</b>		<b>23,594</b>
		<b>TPD</b>	<b>33.92</b>		<b>23.59</b>
5	<b>Calorific Value</b>	<b>kCal/kg</b>	<b>4,835</b>		<b>5,088</b>
<b>E Inert:</b>					
1	Inert	Kg	7,190		5,638
		TPD	7.19		5.64

**2 RECYCLABLES:**

Sr. No.	Recyclables	Unit	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	Weekly Average	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	Weekly Average
1	Plastic Film / LDPE Bags	Kg	0	0	5,119	4,897	0	0	0	1,431	2,784	4,730	0	0	4,299	3,560	5,648	3,003
2	Multi-layered Plastic Packs	Kg	0	0	0	0	0	0	0	0	0	0	0	0	122	0	0	17
3	Hard Plastic	Kg	190	108	0	0	0	143	82	75	105	0	0	82	0	287	0	68
4	Pet	Kg	123	131	0	0	0	180	100	76	172	0	0	139	254	1,512	0	297
	<b>Total.....1+2+3+4</b>		<b>313</b>	<b>239</b>	<b>5,119</b>	<b>4,897</b>	<b>0</b>	<b>323</b>	<b>182</b>	<b>1,582</b>	<b>3,061</b>	<b>4,730</b>	<b>0</b>	<b>221</b>	<b>4,675</b>	<b>5,359</b>	<b>5,648</b>	<b>3,385</b>
5	Tetrapack	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Paper / Cardboard	Kg	0	0	1,985	0	0	0	0	284	1,784	530	0	0	640	730	769	636
	<b>Total.....5+6</b>		<b>0</b>	<b>0</b>	<b>1,985</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>1,784</b>	<b>530</b>	<b>0</b>	<b>0</b>	<b>640</b>	<b>730</b>	<b>769</b>	<b>636</b>
7	Cloth / Rags / Textile	Kg	1,000	0	1,310	0	0	0	0	330	0	0	0	0	1,310	0	1,540	407
8	Jute Bags	Kg	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	9
	<b>Total.....7+8</b>		<b>1,000</b>	<b>0</b>	<b>1,310</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>330</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,370</b>	<b>0</b>	<b>1,540</b>	<b>416</b>
9	Glass	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Metal	Kg	50	57	0	0	0	124	0	33	420	0	0	621	0	153	0	171
11	Footwear	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Leather / Rubber / Rexine	Kg	0	0	0	120	0	0	0	17	0	0	0	120	0	0	0	17
	<b>Total.....11+12</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>
13	Thermocal	Kg	51	62	0	0	0	0	15	18	20	10	0	42	37	20	0	18
14	Coconut	Kg	730	0	0	930	0	1,390	0	436	580	720	7,440	990	1,120	1,660	0	1,787
15	<b>Total</b>	<b>Kg</b>	<b>2,144</b>	<b>358</b>	<b>8,414</b>	<b>5,947</b>	<b>0</b>	<b>1,837</b>	<b>197</b>	<b>2,700</b>	<b>5,865</b>	<b>5,990</b>	<b>7,440</b>	<b>1,994</b>	<b>7,842</b>	<b>7,922</b>	<b>7,957</b>	<b>6,430</b>
		<b>TPD</b>	<b>2.14</b>	<b>0.36</b>	<b>8.41</b>	<b>5.95</b>	<b>0.00</b>	<b>1.84</b>	<b>0.20</b>	<b>2.70</b>	<b>5.87</b>	<b>5.99</b>	<b>7.44</b>	<b>1.99</b>	<b>7.84</b>	<b>7.92</b>	<b>7.96</b>	<b>6.43</b>

**2 RECYCLABLES:**

Sr. No.	Recyclables	Unit	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	Weekly Average	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	Weekly Average
1	Plastic Film / LDPE Bags	Kg	5,817	4,120	5,730	3,954	7,982	4,925	6,064	5,513	4,980	3,099	4,900	4,841	6,953	3,360	4,784	4,702
2	Multi-layered Plastic Packs	Kg	495	0	0	0	0	0	0	71	0	0	0	165	0	59	0	32
3	Hard Plastic	Kg	0	4,120	0	4,010	217	104	145	1,228	138	78	150	165	89	0	118	105
4	Pet	Kg	0	274	0	247	209	155	466	193	173	128	234	190	1,644	118	384	410
	<b>Total.....1+2+3+4</b>		<b>6,312</b>	<b>8,514</b>	<b>5,730</b>	<b>8,211</b>	<b>8,408</b>	<b>5,184</b>	<b>6,675</b>	<b>7,005</b>	<b>5,291</b>	<b>3,305</b>	<b>5,284</b>	<b>5,361</b>	<b>8,686</b>	<b>3,537</b>	<b>5,286</b>	<b>5,250</b>
5	Tetrapack	Kg	427	0	0	0	0	49	0	68	458	0	50	0	0	0	0	73
6	Paper / Cardboard	Kg	971	1,068	1,030	0	0	1,661	1,652	912	354	1,065	0	0	0	0	0	203
	<b>Total.....5+6</b>		<b>1,398</b>	<b>1,068</b>	<b>1,030</b>	<b>0</b>	<b>0</b>	<b>1,710</b>	<b>1,652</b>	<b>980</b>	<b>812</b>	<b>1,065</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>275</b>
7	Cloth / Rags / Textile	Kg	2,060	0	0	0	0	0	720	397	3,125	1,380	1,260	1,740	1,640	1,460	2,170	1,825
8	Jute Bags	Kg	0	0	0	0	0	0	0	0	0	330	500	400	520	570	0	331
	<b>Total.....7+8</b>		<b>2,060</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>720</b>	<b>397</b>	<b>3,125</b>	<b>1,710</b>	<b>1,760</b>	<b>2,140</b>	<b>2,160</b>	<b>2,030</b>	<b>2,170</b>	<b>2,156</b>
9	Glass	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Metal	Kg	560	0	0	0	770	180	269	254	650	88	114	88	1,019	53	88	300
11	Footwear	Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Leather / Rubber / Rexine	Kg	0	0	0	0	0	0	260	37	0	190	520	300	410	380	500	329
	<b>Total.....11+12</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>260</b>	<b>37</b>	<b>0</b>	<b>190</b>	<b>520</b>	<b>300</b>	<b>410</b>	<b>380</b>	<b>500</b>	<b>329</b>
13	Thermocal	Kg	0	0	0	0	0	0	89	13	0	40	0	48	11	13	48	23
14	Coconut	Kg	830	1,060	0	0	2,400	830	1,200	903	1,070	1,060	750	880	850	1,700	1,400	1,101
15	<b>Total</b>	<b>Kg</b>	<b>11,160</b>	<b>10,642</b>	<b>6,760</b>	<b>8,211</b>	<b>11,578</b>	<b>7,904</b>	<b>10,865</b>	<b>9,589</b>	<b>10,948</b>	<b>7,458</b>	<b>8,478</b>	<b>8,817</b>	<b>13,136</b>	<b>7,713</b>	<b>9,492</b>	<b>9,435</b>
		<b>TPD</b>	<b>11.16</b>	<b>10.64</b>	<b>6.76</b>	<b>8.21</b>	<b>11.58</b>	<b>7.90</b>	<b>10.87</b>	<b>9.59</b>	<b>10.95</b>	<b>7.46</b>	<b>8.48</b>	<b>8.82</b>	<b>13.14</b>	<b>7.71</b>	<b>9.49</b>	<b>9.43</b>

**2 RECYCLABLES:**

Sr. No.	Recyclables	Unit	29-Sep	30-Sep	Monthly Average Data
1	Plastic Film / LDPE Bags	Kg	231		2,976
2	Multi-layered Plastic Packs	Kg	0		24
3	Hard Plastic	Kg	0		295
4	Pet	Kg	173		230
	<b>Total.....1+2+3+4</b>		<b>404</b>		<b>3,525</b>
5	Tetrapack	Kg	0		28
6	Paper / Cardboard	Kg	0		407
	<b>Total.....5+6</b>		<b>0</b>		<b>435</b>
7	Cloth / Rags / Textile	Kg	2,060		1,004
8	Jute Bags	Kg	0		68
	<b>Total.....7+8</b>		<b>2,060</b>		<b>1,072</b>
9	<b>Glass</b>	<b>Kg</b>	<b>0</b>		<b>0</b>
10	<b>Metal</b>	<b>Kg</b>	<b>0</b>		<b>152</b>
11	Footwear	Kg	0		0
12	Leather / Rubber / Rexine	Kg	300		140
	<b>Total.....11+12</b>		<b>300</b>		<b>140</b>
13	<b>Thermocal</b>	<b>Kg</b>	<b>66</b>		<b>28</b>
14	<b>Coconut</b>	<b>Kg</b>	<b>0</b>		<b>845</b>
15	<b>Total</b>	<b>Kg</b>	<b>2,830</b>		<b>6,197</b>
		<b>TPD</b>	<b>2.83</b>		<b>6.20</b>



### 3 ELECTRICITY GENERATION:

Sr. No.	Parameter	Unit	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	Weekly Average	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	Weekly Average
<b>A Input Waste:</b>																		
1	Dry Waste	TPD	1.68	1.74	2.95	0.00	0.46	3.16	0.30	1.47	0.00	0.00	0.00	0.00	2.80	0.50	3.86	1.02
2	Wet Waste	TPD	12.13	10.86	12.56	10.69	7.86	11.00	11.51	10.94	0.00	0.00	14.17	13.07	14.08	13.00	14.17	9.78
3	Mixed Waste	TPD	50.67	52.38	56.20	50.63	48.92	49.15	45.94	50.56	59.23	71.89	35.37	45.85	61.16	42.70	48.02	52.03
4	Mulched Tree waste	TPD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.11
5	<b>Total.....1+2+3+4</b>	<b>TPD</b>	<b>64.48</b>	<b>64.98</b>	<b>71.71</b>	<b>61.32</b>	<b>57.24</b>	<b>63.31</b>	<b>57.75</b>	<b>62.97</b>	<b>59.23</b>	<b>71.89</b>	<b>49.54</b>	<b>59.68</b>	<b>78.04</b>	<b>56.20</b>	<b>66.05</b>	<b>62.95</b>
<b>B Organic / Biodegradable Fraction in Input Waste:</b>																		
1	% of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	%	57.62%	56.78%	60.26%	56.55%	54.39%	61.28%	55.73%	57.52%	0.00%	47.33%	46.92%	50.56%	48.12%	51.31%	50.74%	42.14%
2	Qty. of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	TPD	29.20	29.74	33.87	28.63	26.61	30.12	25.60	29.11	0.00	34.03	16.60	23.18	29.43	21.91	24.37	21.36
3	Quantity of Segregated Wet Waste delivered to Plant	TPD	23.35	28.53	18.39	20.43	33.12	20.70	30.66	25.03	34.96	40.47	13.82	23.03	29.87	17.27	7.27	23.81
4	<b>Total.....2+3</b>	<b>TPD</b>	<b>35.48</b>	<b>39.39</b>	<b>30.95</b>	<b>31.12</b>	<b>40.98</b>	<b>31.70</b>	<b>42.17</b>	<b>35.97</b>	<b>34.96</b>	<b>40.47</b>	<b>27.99</b>	<b>36.10</b>	<b>43.95</b>	<b>30.27</b>	<b>21.44</b>	<b>33.60</b>
5	<b>Revised Overall % of Biodegradable Waste.....B-4/A-5</b>	<b>%</b>	<b>55.03%</b>	<b>60.62%</b>	<b>43.15%</b>	<b>50.76%</b>	<b>71.59%</b>	<b>50.08%</b>	<b>73.03%</b>	<b>57.75%</b>	<b>59.02%</b>	<b>56.29%</b>	<b>56.50%</b>	<b>60.48%</b>	<b>56.31%</b>	<b>53.86%</b>	<b>32.46%</b>	<b>53.56%</b>
<b>C Biogas Gensets:</b>																		
1	Biogas Genset-I: Running Time	hr	18.20	23.75	10.55	11.60	15.45	11.50	8.95	14.29	11.10	20.65	14.90	16.90	11.15	15.30	23.50	16.21
2	Biogas Genset-I: Energy Generation	kW.hr	1,700	2,860	960	1,060	1,560	1,160	1,010	1,473	1,050	1,890	1,450	1,170	1,050	1,550	2,320	1,497
3	Biogas Genset-II: Running Time	hr	10.10	0.00	6.00	4.75	13.00	20.80	13.65	9.76	20.65	4.63	4.13	7.52	15.28	16.47	13.45	11.73
4	Biogas Genset-II: Energy Generation	kW.hr	990	0	480	450	1,350	1,920	1,590	969	1,890	860	770	460	1,910	1,670	1,200	1,251
5	<b>Total.....2+4</b>	<b>kW.hr</b>	<b>2,690</b>	<b>2,860</b>	<b>1,440</b>	<b>1,510</b>	<b>2,910</b>	<b>3,080</b>	<b>2,600</b>	<b>2,441</b>	<b>2,940</b>	<b>2,750</b>	<b>2,220</b>	<b>1,630</b>	<b>2,960</b>	<b>3,220</b>	<b>3,520</b>	<b>2,749</b>
<b>D Electricity Generation:</b>																		
1	<b>As per Tender:</b> 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.....B-4	Tons	35.48	39.39	30.95	31.12	40.98	31.70	42.17	35.97	34.96	40.47	27.99	36.10	43.95	30.27	21.44	33.60
3	Electricity Generation required as per Tender.....0.4 x 1000 x D-2/100	kWH	142	158	124	124	164	127	169	144	140	162	112	144	176	121	86	134
4	Electricity generated..... (C-2/C-1) + (C-4/C-3)	kWH	191	120	171	186	205	193	229	185	186	277	284	130	219	203	188	212

### 4 BIOGAS FLARE:

<b>E Operation of Biogas Flare:</b>																		
1	<b>As per Tender:</b> The Biogas Flaring System shall strictly be used only in case of emergency and not as a routine practice.																	
2	Operation Time	hr/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67	4.63	4.13	7.52	5.28	6.47	0.53	5.03

### 3 ELECTRICITY GENERATION:

Sr. No.	Parameter	Unit	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	Weekly Average	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	Weekly Average
<b>A Input Waste:</b>																		
1	Dry Waste	TPD	2.36	3.20	2.05	1.08	3.03	2.26	3.18	2.45	3.23	1.93	0.76	2.18	2.21	1.87	1.83	2.00
2	Wet Waste	TPD	17.19	14.64	19.58	15.14	18.11	15.98	13.60	16.32	20.23	16.28	20.74	19.18	20.86	22.30	17.60	19.60
3	Mixed Waste	TPD	60.70	51.14	57.92	50.39	65.00	55.31	53.77	56.32	55.06	55.90	66.37	54.25	68.71	52.89	61.22	59.20
4	Mulched Tree waste	TPD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	1.32	0.00	0.29
5	<b>Total.....1+2+3+4</b>	<b>TPD</b>	<b>80.25</b>	<b>68.98</b>	<b>79.55</b>	<b>66.61</b>	<b>86.14</b>	<b>73.55</b>	<b>70.55</b>	<b>75.09</b>	<b>78.52</b>	<b>74.11</b>	<b>87.87</b>	<b>76.32</b>	<b>91.78</b>	<b>78.38</b>	<b>80.65</b>	<b>81.09</b>
<b>B Organic / Biodegradable Fraction in Input Waste:</b>																		
1	% of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	%	54.39%	45.00%	41.20%	46.61%	45.21%	41.15%	44.07%	45.38%	43.93%	47.00%	46.61%	47.80%	46.31%	55.00%	52.00%	48.38%
2	Qty. of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	TPD	33.01	23.01	23.86	23.49	29.39	22.76	23.70	25.60	24.19	26.27	30.94	25.93	31.82	29.09	31.83	28.58
3	Quantity of Segregated Wet Waste delivered to Plant	TPD	18.90	17.88	29.10	20.17	31.90	24.64	22.25	23.55	20.42	23.89	21.90	21.04	15.43	18.64	17.72	19.86
4	<b>Total.....2+3</b>	<b>TPD</b>	<b>36.09</b>	<b>32.52</b>	<b>48.68</b>	<b>35.31</b>	<b>50.01</b>	<b>40.62</b>	<b>35.85</b>	<b>39.87</b>	<b>40.65</b>	<b>40.17</b>	<b>42.64</b>	<b>40.22</b>	<b>36.29</b>	<b>40.94</b>	<b>35.32</b>	<b>39.46</b>
5	<b>Revised Overall % of Biodegradable Waste.....B-4/A-5</b>	<b>%</b>	<b>44.97%</b>	<b>47.14%</b>	<b>61.19%</b>	<b>53.01%</b>	<b>58.06%</b>	<b>55.22%</b>	<b>50.81%</b>	<b>52.92%</b>	<b>51.77%</b>	<b>54.21%</b>	<b>48.53%</b>	<b>52.70%</b>	<b>39.54%</b>	<b>52.23%</b>	<b>43.79%</b>	<b>48.97%</b>
<b>C Biogas Gensets:</b>																		
1	Biogas Genset-I: Running Time	hr	24.00	19.80	16.05	9.50	9.15	16.65	9.40	14.94	10.35	10.35	12.60	11.30	10.05	9.80	17.00	11.64
2	Biogas Genset-I: Energy Generation	kW.hr	3,150	2,500	1,600	960	920	1,650	930	1,673	1,090	1,090	1,410	1,250	760	880	1,730	1,173
3	Biogas Genset-II: Running Time	hr	1.45	0.00	6.85	23.35	23.65	17.10	21.15	13.36	20.00	20.00	21.50	19.45	23.80	19.25	16.10	20.01
4	Biogas Genset-II: Energy Generation	kW.hr	120	0	520	2,550	2,650	1,590	2,370	1,400	2,080	2,080	2,480	2,370	3,110	2,150	1,910	2,311
5	<b>Total.....2+4</b>	<b>kW.hr</b>	<b>3,270</b>	<b>2,500</b>	<b>2,120</b>	<b>3,510</b>	<b>3,570</b>	<b>3,240</b>	<b>3,300</b>	<b>3,073</b>	<b>3,170</b>	<b>3,170</b>	<b>3,890</b>	<b>3,620</b>	<b>3,870</b>	<b>3,030</b>	<b>3,640</b>	<b>3,484</b>
<b>D Electricity Generation:</b>																		
1	<b>As per Tender:</b> 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.....B-4	Tons	36.09	32.52	48.68	35.31	50.01	40.62	35.85	39.87	40.65	40.17	42.64	40.22	36.29	40.94	35.32	39.46
3	Electricity Generation required as per Tender.....0.4 x 1000 x D-2/100	kWH	144	130	195	141	200	162	143	159	163	161	171	161	145	164	141	158
4	Electricity generated..... (C-2/C-1) + (C-4/C-3)	kWH	214	126	176	210	213	192	211	192	209	209	227	232	206	201	220	215

### 4 BIOGAS FLARE:

<b>E Operation of Biogas Flare:</b>																		
1	<b>As per Tender:</b> The Biogas Flaring System shall strictly be used only in case of emergency and not as a routine practice.																	
2	Operation Time	hr/day	8.40	6.15	2.55	4.4	8.35	3.57	7.31	5.82	6.43	6.43	6.04	7.31	7.06	11.37	8.28	7.56

### 3 ELECTRICITY GENERATION:

Sr. No.	Parameter	Unit	29-Sep	30-Sep	Monthly Average
<b>A Input Waste:</b>					
1	Dry Waste	TPD	2.73		1.94
2	Wet Waste	TPD	20.78		15.49
3	Mixed Waste	TPD	57.54		55.13
4	Mulched Tree waste	TPD	4.88		1.06
5	<b>Total.....1+2+3+4</b>	<b>TPD</b>	<b>85.93</b>		<b>73.61</b>
<b>B Organic / Biodegradable Fraction in Input Waste:</b>					
1	% of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	%	45.72%		47.83%
2	Qty. of Biodegradable Waste in Mixed Waste (As per Laboratory Analysis)	TPD	26.31		26.19
3	Quantity of Segregated Wet Waste delivered to Plant	TPD	21.21		22.69
4	<b>Total.....2+3</b>	<b>TPD</b>	<b>41.99</b>		<b>38.18</b>
5	<b>Revised Overall % of Biodegradable Waste.....B-4/A-5</b>	<b>%</b>	<b>48.87%</b>		<b>52.41%</b>
<b>C Biogas Gensets:</b>					
1	Biogas Genset-I: Running Time	hr	10.25		13.46
2	Biogas Genset-I: Energy Generation	kW.hr	1,070		1,377
3	Biogas Genset-II: Running Time	hr	19.55		14.88
4	Biogas Genset-II: Energy Generation	kW.hr	2,110		1,608
5	<b>Total.....2+4</b>	<b>kW.hr</b>	<b>3,180</b>		<b>2,985</b>
<b>D Electricity Generation:</b>					
1	<b>As per Tender:</b> 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.....B-4	Tons	41.99		38.18
3	Electricity Generation required as per Tender.....0.4 x 1000 x D-2/100	kWH	168		153
4	Electricity generated..... (C-2/C-1) + (C-4/C-3)	kWH	212		203

### 4 BIOGAS FLARE:

<b>E Operation of Biogas Flare:</b>					
1	<b>As per Tender:</b> The Biogas Flaring System shall strictly be used only in case of emergency and not as a routine practice.				
2	Operation Time	hr/day	10.28		5.74

**5 EFFLUENT TREATMENT PLANT:**

Sr. No.	Parameter	Unit	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	Weekly Average	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	Weekly Average
<b>A Raw Effluent Quality:</b>																		
1	Flow	m <sup>3</sup> /day	60.45	58.93	60.24	60.85	59.44	60.04	59.54	59.93	59.23	59.03	59.33	60.45	58.93	60.24	60.85	59.72
2	pH	---	7.87	7.90	8.13	7.87	7.95	8.14	8.29	8.02	8.39	8.12	8.38	7.92	7.86	7.99	8.23	8.13
3	Biochemical Oxygen Demand (BOD5)	mg/l	2,880	2,908	2,875	2,820	2,816	2,735	2,851	2,841	2,896	2,882	2,811	2,831	2,908	2,875	2,820	2,861
4	Chemical Oxygen Demand (COD)	mg/l	5,512	5,534	5,402	5,298	5,490	5,435	5,355	5,432	5,143	5,016	5,180	5,427	5,594	5,202	5,698	5,323
5	Total Suspended Solids (TSS)	mg/l	3,680	3,596	3,554	3,586	3,712	3,477	3,473	3,583	3,781	3,663	3,512	3,398	3,694	3,567	3,389	3,572
6	Total Dissolve Solids (TDS)	mg/l	1,960	2,010	2,039	2,073	1,991	2,058	2,057	2,027	2,022	2,046	2,058	1,993	2,013	2,111	2,113	2,051
<b>B Treated Effluent Quality:</b>																		
1	pH	---	7.49	7.43	7.55	7.40	7.48	7.56	7.51	7.49	7.42	7.35	7.50	7.45	7.39	7.70	7.61	7.49
2	Biochemical Oxygen Demand (BOD5)	mg/l	8	9	9	8	8	10	9	9	8	9	10	11	9	8	8	9
3	Chemical Oxygen Demand (COD)	mg/l	79	91	88	90	81	76	98	86	78	75	80	95	91	77	93	84
1	Total Suspended Solids (TSS)	mg/l	9	10	10	9	9	11	10	10	9	10	11	12	10	9	9	10
2	Total Dissolve Solids (TDS)	mg/l	1,851	1,883	1,915	1,937	1,897	1,923	1,912	1,903	1,889	1,911	1,932	1,875	1,890	1,973	1,946	1,917

**5 EFFLUENT TREATMENT PLANT:**

Sr. No.	Parameter	Unit	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	Weekly Average	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	Weekly Average
<b>A Raw Effluent Quality:</b>																		
1	Flow	m <sup>3</sup> /day	59.44	60.04	59.54	59.23	59.03	59.33	60.45	59.58	58.93	60.24	60.85	59.44	60.04	59.54	59.23	59.75
2	pH	---	7.58	7.75	8.04	7.82	7.68	7.94	8.35	7.88	8.00	7.74	7.87	7.93	8.38	8.53	7.81	8.04
3	Biochemical Oxygen Demand (BOD5)	mg/l	2,816	2,735	2,851	2,896	2,882	2,811	2,831	2,832	2,908	2,875	2,820	2,816	2,735	2,851	2,896	2,843
4	Chemical Oxygen Demand (COD)	mg/l	5,190	5,435	5,567	5,243	5,616	5,680	5,317	5,435	5,664	5,702	5,098	4,963	5,035	5,569	5,743	5,396
5	Total Suspended Solids (TSS)	mg/l	3,380	3,313	3,549	3,481	3,729	3,621	3,591	3,523	3,697	3,554	3,585	3,780	3,377	3,652	3,582	3,604
6	Total Dissolve Solids (TDS)	mg/l	2,053	2,045	2,079	2,065	2,127	2,104	2,092	2,081	2,133	2,116	2,135	2,118	2,056	2,043	2,165	2,109
<b>B Treated Effluent Quality:</b>																		
1	pH	---	7.23	7.31	7.28	7.54	7.50	7.18	7.29	7.33	7.62	7.37	7.46	7.65	7.41	7.17	7.44	7.45
2	Biochemical Oxygen Demand (BOD5)	mg/l	8	8	9	9	11	8	9	9	10	9	9	9	9	10	10	9
3	Chemical Oxygen Demand (COD)	mg/l	88	71	89	78	95	83	91	85	71	88	93	78	96	89	78	85
1	Total Suspended Solids (TSS)	mg/l	9	9	10	10	12	9	10	10	11	10	10	10	10	11	11	10
2	Total Dissolve Solids (TDS)	mg/l	1,890	1,910	1,933	1,899	1,969	1,891	1,879	1,910	1,918	1,930	1,948	1,979	1,892	1,871	1,967	1,929

**5 EFFLUENT TREATMENT PLANT:**

Sr. No.	Parameter	Unit	29-Sep	30-Sep	Monthly Average
<b>A Raw Effluent Quality:</b>					
1	Flow	m <sup>3</sup> /day	59.03		<b>59.60</b>
2	pH	---	8.30		<b>8.07</b>
3	Biochemical Oxygen Demand (BOD5)	mg/l	2,882		<b>2,852</b>
4	Chemical Oxygen Demand (COD)	mg/l	5,117		<b>5,341</b>
5	Total Suspended Solids (TSS)	mg/l	3,693		<b>3,595</b>
6	Total Dissolve Solids (TDS)	mg/l	2,000		<b>2,054</b>
<b>B Treated Effluent Quality:</b>					
1	pH	---	7.71		<b>7.49</b>
2	Biochemical Oxygen Demand (BOD5)	mg/l	8		<b>9</b>
3	Chemical Oxygen Demand (COD)	mg/l	92		<b>86</b>
1	Total Suspended Solids (TSS)	mg/l	9		<b>10</b>
2	Total Dissolve Solids (TDS)	mg/l	1,886		<b>1,909</b>







**6 DISPOSAL OF INERT:**

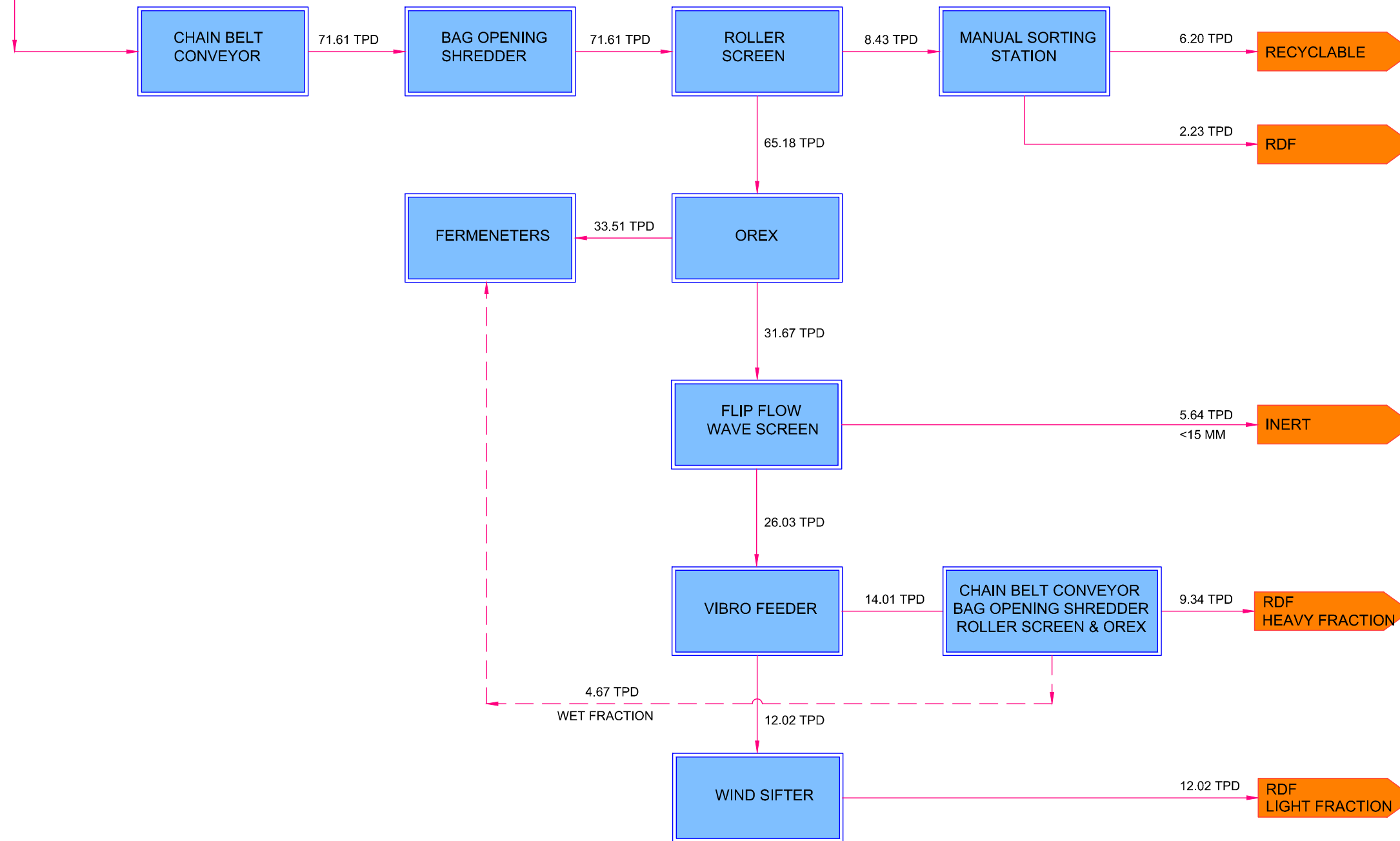
Sr. No.	Parameter	Unit	29-Sep	30-Sep	Monthly Average
1	As per Tender: Maximum 10% of Inerts of the Total Input Waste (excluding Mulched Tree Waste) as received in the Facility.				
2	<b>Input Waste</b>	<b>TPD</b>	<b>85.93</b>		<b>70.99</b>
3	Inert Fraction	Kg	7,190		<b>5,309</b>
		<b>TPD</b>	<b>7.19</b>		<b>5.31</b>
4	<b>% of Total Input Waste</b>	<b>%</b>	<b>8.37%</b>		<b>7.48%</b>

**7 HOUSEKEEPING:**

Sr. No.	Parameter	Unit	29-Sep	30-Sep	Monthly Average
1	Hygenic Conditions	---	Accepted	Accepted	<b>Accepted</b>
2	Cleanliness	---	Accepted	Accepted	<b>Accepted</b>
3	Manpower Deployed	---	Accepted	Accepted	<b>Accepted</b>
4	Safety Norms	---	Accepted	Accepted	<b>Accepted</b>
5	Treatment Methodology	---	Accepted	Accepted	<b>Accepted</b>
6	Storage Conditions	---	Accepted	Accepted	<b>Accepted</b>

INPUT WASTE		
SR. NO.	NAME	WEIGHT (TPD)
1	RECYCLABLE	6.20
2	RDF	23.59
3	WET FRACTION	38.18
4	INERT	5.64
TOTAL		73.61

NUMBER OF RECYCLABLE FRACTIONS		
SR. NO.	NAME	WEIGHT (KG)
1	PLASTIC FILM / LDPE BAGS	2976
2	MULTI-LAYERED PLASTIC PACKS	24
3	HARD PLASTIC	295
4	PET	230
5	TETRAPACK	28
6	PAPER/CARDBOARD	407
7	CLOTH/RAGS/TEXTILE	1004
8	JUTE BAGS	68
9	GLASS	00
10	METALS	152
11	FOOTWEAR	00
12	LEATHER/RUBBER/REXINE	140
13	THERMOCAL	28
14	COCONUT	845
TOTAL		6197



ANNEXURE -1: MASS BALANCE AVERAGE 01-09-2016 TO 30-09-2016