

**Monthly Performance Report
(HWT-NG100-MPR-08-R0)**

**March 2017
(From 01/03/2017 to 31/03/2017)**

**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 March 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 <u>97.91 TPD</u> . Quantum of Inert is <u>6.44 TPD</u> 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 <u>0.62</u> 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 5.34 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>7.86</td> </tr> <tr> <td>BOD</td> <td>7 mg/l</td> </tr> <tr> <td>COD</td> <td>64 mg/l</td> </tr> <tr> <td>TSS</td> <td>8 mg/l</td> </tr> <tr> <td>TDS</td> <td>1760 mg/l</td> </tr> </tbody> </table> | pH | 7.86 | BOD | 7 mg/l | COD | 64 mg/l | TSS | 8 mg/l | TDS | 1760 mg/l |
| pH | 7.86 | | | | | | | | | | | | |
| BOD | 7 mg/l | | | | | | | | | | | | |
| COD | 64 mg/l | | | | | | | | | | | | |
| TSS | 8 mg/l | | | | | | | | | | | | |
| TDS | 1760 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: March 2017 | | |
|---------|---|---|-----------|
| Sr. No. | Content | Month | Signature |
| 1 | Input Waste Composition | Marchy 2017 From 01.03.2017 To 31.03.2017 | |
| 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-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | Weekly Average | | |
|-----------------------------------|---|----------------|---------------|---------------|--------------|---------------|--------------|---------------|--------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|----------------|
| A Input Waste: | | | | | | | | | | | | | | | | | | | | |
| 1 | Dry Waste | TPD | 0.00 | 3.07 | 0.25 | 0.00 | 0.00 | 0.00 | 0.42 | 0.53 | 0.54% | 0.76 | 0.32 | 0.75 | 1.00 | 0.00 | 0.00 | 0.92 | 0.54 | 0.57% |
| 2 | Wet Waste | TPD | 11.59 | 10.81 | 8.17 | 10.67 | 6.10 | 9.59 | 10.94 | 9.70 | 9.76% | 14.18 | 4.67 | 6.72 | 6.81 | 11.14 | 4.65 | 7.38 | 7.94 | 8.51% |
| 3 | Mixed Waste | TPD | 89.14 | 87.20 | 87.19 | 92.15 | 84.12 | 93.17 | 88.57 | 88.79 | 89.40% | 79.93 | 91.14 | 82.09 | 78.64 | 79.90 | 83.31 | 97.61 | 84.66 | 90.77% |
| 4 | Mulched Tree waste | TPD | 0.55 | 1.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.30 | 0.30% | 0.40 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | 0.00 | 0.14 | 0.15% |
| 5 | Total.....1+2+3+4 | TPD | 101.28 | 102.08 | 95.61 | 102.82 | 90.77 | 102.76 | 99.93 | 99.32 | 100.00% | 95.27 | 96.13 | 89.56 | 86.45 | 91.59 | 87.96 | 105.91 | 93.27 | 100.00% |
| B Input Waste Composition: | | | | | | | | | | | | | | | | | | | | |
| 1 | Organic / Bio degradable Fraction | 65.00% | 48.94 | 47.00 | 44.44 | 51.77 | 40.00 | 47.23 | 48.94 | 46.90 | 47.22% | 49.43 | 44.59 | 40.71 | 41.80 | 44.78 | 42.06 | 48.08 | 44.49 | 47.70% |
| 2 | Inorganic / Non-recyclable Fraction (RDF) | | 30.93 | 37.40 | 32.27 | 27.94 | 31.31 | 36.15 | 30.56 | 32.37 | 32.59% | 30.03 | 32.43 | 31.87 | 28.80 | 26.41 | 31.53 | 40.78 | 31.69 | 33.98% |
| 3 | Recyclables | 14.00% | 12.57 | 11.17 | 13.93 | 13.89 | 13.54 | 12.39 | 14.91 | 13.20 | 13.29% | 10.97 | 12.71 | 12.22 | 10.91 | 14.21 | 9.46 | 11.43 | 11.70 | 12.54% |
| | Glass | 0.50% | 0.10 | 0.06 | 0.08 | 0.06 | 0.05 | 0.09 | 0.10 | 0.08 | 0.08% | 0.09 | 0.06 | 0.09 | 0.09 | 0.07 | 0.04 | 0.07 | 0.07 | 0.08% |
| | Metal | 0.50% | 0.42 | 0.40 | 0.36 | 0.43 | 0.30 | 0.31 | 0.42 | 0.38 | 0.38% | 0.36 | 0.42 | 0.33 | 0.28 | 0.35 | 0.31 | 0.43 | 0.35 | 0.38% |
| | Paper / Cardboard / Tetrapack | 4.00% | 2.18 | 2.14 | 2.11 | 2.49 | 2.36 | 2.48 | 2.96 | 2.39 | 2.40% | 1.58 | 2.67 | 2.38 | 1.81 | 1.64 | 1.68 | 2.16 | 1.99 | 2.13% |
| | Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics | 6.00% | 3.76 | 3.57 | 5.82 | 6.95 | 5.98 | 4.20 | 6.68 | 5.28 | 5.32% | 3.61 | 3.38 | 5.09 | 4.06 | 6.40 | 3.49 | 3.99 | 4.29 | 4.60% |
| | Thermocoal / Styrofoam | 1.00% | 0.06 | 0.06 | 0.09 | 0.05 | 0.09 | 0.08 | 0.10 | 0.08 | 0.08% | 0.07 | 0.05 | 0.05 | 0.08 | 0.06 | 0.08 | 0.05 | 0.06 | 0.07% |
| | Cloth / Rags / Textiles | 1.50% | 2.30 | 2.50 | 1.94 | 1.85 | 2.15 | 2.54 | 2.20 | 2.21 | 2.23% | 1.94 | 2.32 | 1.97 | 1.96 | 2.28 | 1.59 | 1.64 | 1.96 | 2.10% |
| | Rubber Items | 0.50% | 0.25 | 0.42 | 0.45 | 0.28 | 0.45 | 0.30 | 0.28 | 0.35 | 0.35% | 0.39 | 0.48 | 0.32 | 0.41 | 0.35 | 0.37 | 0.30 | 0.37 | 0.40% |
| | Coconut | | 3.50 | 2.01 | 3.08 | 1.78 | 2.16 | 2.39 | 2.18 | 2.44 | 2.46% | 2.92 | 3.33 | 1.99 | 2.23 | 3.05 | 1.89 | 2.77 | 2.60 | 2.79% |
| 4 | Inert | 10.00% | 8.84 | 6.51 | 4.97 | 9.22 | 5.92 | 6.99 | 5.52 | 6.85 | 6.90% | 4.84 | 6.40 | 4.76 | 4.94 | 6.19 | 4.92 | 5.62 | 5.38 | 5.77% |
| 5 | Mulched Tree Waste | 11.00% | 0.55 | 1.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | | | 0.40 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.00 | | |
| | Total.....1+2+3+4+5 | 100.00% | | | | | | | | | 100.00% | | | | | | | | | 100.00% |

2 RECYCLABLES:

| Sr. No. | Description | Unit | 1-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | Weekly Average | |
|-----------------------|---------------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|--|
| A Recyclables: | | | | | | | | | | | | | | | | | | | |
| 1 | Glass | Kg | 101 | 61 | 76 | 62 | 45 | 92 | 100 | 77 | 86 | 58 | 90 | 86 | 73 | 44 | 74 | 73 | |
| 2 | Metal | Kg | 415 | 398 | 363 | 432 | 300 | 308 | 420 | 377 | 362 | 423 | 331 | 277 | 348 | 308 | 434 | 355 | |
| 3 | Tetrapack | Kg | 105 | 94 | 97 | 95 | 137 | 99 | 151 | 111 | 70 | 118 | 95 | 56 | 67 | 72 | 110 | 84 | |
| 4 | Paper / Cardboard | Kg | 2,073 | 2,049 | 2,016 | 2,394 | 2,223 | 2,377 | 2,807 | 2,277 | 1,512 | 2,555 | 2,287 | 1,751 | 1,572 | 1,608 | 2,050 | 1,905 | |
| | Total.....3+4 | Kg | 2,178 | 2,143 | 2,113 | 2,489 | 2,360 | 2,476 | 2,958 | 2,388 | 1,582 | 2,673 | 2,382 | 1,807 | 1,639 | 1,680 | 2,160 | 1,989 | |
| 5 | Plastic Films | Kg | 3,299 | 3,119 | 5,048 | 5,832 | 5,180 | 3,720 | 5,567 | 4,538 | 3,001 | 2,998 | 4,115 | 3,539 | 5,448 | 2,982 | 3,490 | 3,653 | |
| 6 | Hard Plastic | Kg | 180 | 179 | 507 | 431 | 592 | 143 | 514 | 364 | 282 | 230 | 499 | 191 | 461 | 276 | 383 | 332 | |
| 7 | Pet | Kg | 278 | 275 | 268 | 688 | 209 | 340 | 594 | 379 | 329 | 156 | 473 | 333 | 493 | 234 | 120 | 305 | |
| | Total.....5+6+7 | Kg | 3,757 | 3,573 | 5,823 | 6,951 | 5,981 | 4,203 | 6,675 | 5,280 | 3,612 | 3,384 | 5,087 | 4,063 | 6,402 | 3,492 | 3,993 | 4,290 | |
| 8 | Thermocal | Kg | 61 | 61 | 86 | 51 | 91 | 82 | 100 | 76 | 67 | 48 | 54 | 78 | 64 | 79 | 53 | 63 | |
| 9 | Cloth / Rags / Textile | Kg | 1,901 | 2,063 | 1,382 | 1,540 | 1,798 | 1,972 | 1,636 | 1,756 | 1,588 | 1,888 | 1,505 | 1,438 | 1,637 | 1,264 | 1,154 | 1,496 | |
| 10 | Jute Bags | Kg | 398 | 438 | 559 | 311 | 353 | 566 | 563 | 455 | 356 | 429 | 465 | 524 | 643 | 328 | 488 | 462 | |
| | Total.....9+10 | Kg | 2,299 | 2,501 | 1,941 | 1,851 | 2,151 | 2,538 | 2,199 | 2,211 | 1,944 | 2,317 | 1,970 | 1,962 | 2,280 | 1,592 | 1,642 | 1,958 | |
| 11 | Leather / Rubber / Rexine | Kg | 253 | 419 | 449 | 278 | 454 | 298 | 280 | 347 | 391 | 481 | 322 | 406 | 348 | 369 | 297 | 373 | |
| 12 | Coconut | Kg | 3,504 | 2,011 | 3,079 | 1,779 | 2,160 | 2,394 | 2,178 | 2,444 | 2,925 | 3,326 | 1,988 | 2,230 | 3,050 | 1,891 | 2,775 | 2,598 | |
| | Total | Kg | 12,568 | 11,167 | 13,930 | 13,893 | 13,542 | 12,391 | 14,910 | 13,200 | 10,969 | 12,710 | 12,224 | 10,909 | 14,204 | 9,455 | 11,428 | 11,700 | |
| | | TPD | 12.57 | 11.17 | 13.93 | 13.89 | 13.54 | 12.39 | 14.91 | 13.20 | 10.97 | 12.71 | 12.22 | 10.91 | 14.20 | 9.46 | 11.43 | 11.70 | |

3 ELECTRICITY GENERATION:

| Sr. No. | Description | Unit | 1-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | Weekly Average |
|----------------------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| A Biogas Gensets: | | | | | | | | | | | | | | | | | | |
| 1 | Biogas Genset-I: Running Time | hr | 18.77 | 19.76 | 14.57 | 11.82 | 18.72 | 19.22 | 11.85 | 16.39 | 19.64 | 15.45 | 14.91 | 12.89 | 9.60 | 14.39 | 18.93 | 15.12 |
| 2 | Biogas Genset-I: Energy Generation | kW.hr | 2,457 | 2,772 | 1,773 | 1,680 | 2,672 | 2,499 | 1,708 | 2,223 | 2,161 | 1,808 | 2,017 | 1,914 | 1,574 | 1,896 | 2,655 | 2,004 |
| 3 | Biogas Genset-II: Running Time | hr | 12.49 | 10.59 | 22.78 | 21.37 | 7.43 | 11.53 | 12.19 | 14.05 | 10.89 | 15.93 | 14.29 | 17.80 | 19.91 | 16.93 | 16.13 | 15.98 |
| 4 | Biogas Genset-II: Energy Generation | kW.hr | 1,510 | 1,687 | 2,665 | 3,106 | 1,332 | 1,951 | 1,950 | 2,029 | 1,864 | 2,333 | 2,525 | 2,431 | 2,465 | 2,367 | 2,193 | 2,311 |
| 5 | Total.....2+4 | kW.hr | 3,967 | 4,459 | 4,438 | 4,786 | 4,004 | 4,450 | 3,658 | 4,252 | 4,025 | 4,141 | 4,542 | 4,345 | 4,039 | 4,263 | 4,848 | 4,315 |
| B Electricity Generation: | | | | | | | | | | | | | | | | | | |
| As per Tender: | | | | | | | | | | | | | | | | | | |
| 1 | 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 | 48.94 | 47.00 | 44.44 | 51.77 | 40.00 | 47.23 | 48.94 | 46.90 | 49.43 | 44.59 | 40.71 | 41.80 | 44.78 | 42.06 | 48.08 | 44.49 |
| 3 | Electricity Generation required as per Tender.....0.4 x 1000 x B2/100 | kWH | 196 | 188 | 178 | 207 | 160 | 189 | 196 | 188 | 198 | 178 | 163 | 167 | 179 | 168 | 192 | 178 |
| 4 | Electricity generated..... (A2/A1) + (A4/A3) | kWH | 252 | 300 | 239 | 287 | 322 | 299 | 304 | 286 | 281 | 263 | 312 | 285 | 288 | 272 | 276 | 282 |

4 BIOGAS FLARE:

| Sr. No. | Description | Unit | 1-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | Weekly Average |
|---------|----------------|--------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|--------|--------|--------|--------|--------|----------------|
| 2 | Operation Time | hr/day | 6.43 | 5.80 | 6.07 | 5.90 | 5.98 | 6.17 | 7.52 | 6.27 | 5.95 | 4.80 | 6.97 | 3.70 | 5.82 | 6.68 | 6.33 | 5.75 |

5 EFFLUENT TREATMENT PLANT:

| Sr. No. | Description | Unit | 1-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | Weekly Average |
|------------------------------------|----------------------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|--------|--------|--------|--------|--------|----------------|
| A Raw Effluent Quality: | | | | | | | | | | | | | | | | | | |
| 1 | Flow | m ³ /day | 44.66 | 61.00 | 62.86 | 44.36 | 58.86 | 61.00 | 58.38 | 55.87 | 42.90 | 48.06 | 62.35 | 43.85 | 63.31 | 69.39 | 61.40 | 55.89 |
| 2 | pH | --- | 7.67 | 7.92 | 7.12 | 6.08 | 7.39 | 6.41 | 7.09 | 7.10 | 6.52 | 7.77 | 7.83 | 6.87 | 7.47 | 7.43 | 7.95 | 7.41 |
| 3 | Biochemical Oxygen Demand (BOD5) | mg/l | 2,078 | 2,266 | 2,382 | 1,690 | 2,285 | 2,279 | 1,853 | 2,119 | 2,278 | 1,608 | 2,018 | 2,357 | 2,256 | 2,285 | 2,361 | 2,166 |
| 4 | Chemical Oxygen Demand (COD) | mg/l | 6,920 | 5,846 | 5,407 | 5,036 | 5,621 | 6,404 | 5,170 | 5,772 | 5,103 | 5,532 | 4,117 | 5,327 | 7,512 | 6,512 | 5,714 | 5,688 |
| 5 | Total Suspended Solids (TSS) | mg/l | 3,844 | 4,441 | 5,669 | 3,262 | 4,250 | 5,151 | 3,928 | 4,364 | 5,080 | 2,525 | 4,662 | 4,596 | 4,512 | 5,370 | 5,123 | 4,553 |
| 6 | Total Dissolve Solids (TDS) | mg/l | 1,603 | 1,739 | 1,626 | 1,796 | 1,710 | 1,621 | 1,636 | 1,676 | 1,729 | 1,651 | 1,799 | 1,500 | 1,584 | 1,549 | 1,773 | 1,655 |
| B Treated Effluent Quality: | | | | | | | | | | | | | | | | | | |
| 1 | pH | --- | 7.17 | 6.39 | 7.32 | 6.78 | 6.05 | 6.32 | 6.13 | 6.59 | 6.01 | 7.26 | 6.96 | 6.22 | 7.4 | 6.95 | 6.46 | 6.75 |
| 2 | Biochemical Oxygen Demand (BOD5) | mg/l | 6 | 7 | 5 | 5 | 9 | 9 | 8 | 7 | 5 | 5 | 6 | 5 | 9 | 6 | 9 | 6 |
| 3 | Chemical Oxygen Demand (COD) | mg/l | 46 | 68 | 72 | 47 | 63 | 42 | 59 | 57 | 46 | 83 | 44 | 77 | 43 | 90 | 44 | 61 |
| 1 | Total Suspended Solids (TSS) | mg/l | 7 | 8 | 6 | 6 | 10 | 10 | 9 | 8 | 6 | 6 | 7 | 6 | 10 | 7 | 10 | 7 |
| 2 | Total Dissolve Solids (TDS) | mg/l | 1,763 | 1,843 | 1,626 | 1,796 | 1,727 | 1,767 | 1,800 | 1,760 | 1,781 | 1,783 | 1,979 | 1,590 | 1,679 | 1,549 | 1,897 | 1,751 |

6 DISPOSAL OF INERT:

| Sr. No. | Description | Unit | 1-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | 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 | 101.28 | 102.08 | 95.61 | 102.82 | 90.77 | 102.76 | 99.93 | 99.32 | 95.27 | 96.13 | 89.56 | 86.45 | 91.59 | 87.96 | 105.91 | 93.27 |
| 3 | Inert Fraction | Kg | 8,842 | 6,513 | 4,972 | 9,223 | 5,918 | 6,988 | 5,516 | 6,853 | 4,840 | 6,402 | 4,756 | 4,945 | 6,191 | 4,917 | 5,624 | 5,382 |
| | | TPD | 8.84 | 6.51 | 4.97 | 9.22 | 5.92 | 6.99 | 5.52 | 6.85 | 4.84 | 6.40 | 4.76 | 4.94 | 6.19 | 4.92 | 5.62 | 5.38 |
| 4 | % of Total Input Waste.....3/2 | % | 8.73% | 6.38% | 5.20% | 8.97% | 6.52% | 6.80% | 5.52% | 6.87% | 5.08% | 6.66% | 5.31% | 5.72% | 6.76% | 5.59% | 5.31% | 5.78% |

7 HOUSEKEEPING:

| Sr. No. | Description | Unit | 1-Mar | 2-Mar | 3-Mar | 4-Mar | 5-Mar | 6-Mar | 7-Mar | Weekly Average | 8-Mar | 9-Mar | 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | Weekly Average |
|---------|-----------------------|------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------------|
| 1 | Hygienic Conditions | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 2 | Cleanliness | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 3 | Manpower Deployed | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 4 | Safety Norms | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 5 | Treatment Methodology | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 6 | Storage Conditions | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |

1 INPUT WASTE COMPOSITION:

| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average | | | | |
|----------|---|----------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|--------------|----------------|-----------------|--------------|----------------|--------------|----------------|
| A | Input Waste: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Dry Waste | TPD | 0.67 | 1.45 | 1.24 | 0.00 | 0.79 | 1.55 | 0.57 | 0.90 | 0.87% | 0.67 | 1.54 | 1.00 | 0.25 | 1.34 | 3.97 | 0.00 | 1.25 | 1.27% | 1.19 | 1.25 | 0.91 | 1.12 | 0.01 | 0.87 | 0.88% |
| 2 | Wet Waste | TPD | 12.26 | 10.68 | 9.05 | 8.31 | 9.47 | 10.47 | 4.42 | 9.24 | 8.98% | 11.09 | 2.78 | 0.00 | 5.60 | 10.98 | 8.29 | 7.90 | 6.66 | 6.76% | 16.50 | 6.34 | 9.01 | 10.62 | 0.11 | 8.83 | 9.02% |
| 3 | Mixed Waste | TPD | 93.07 | 90.44 | 90.07 | 92.32 | 83.91 | 95.96 | 102.90 | 92.67 | 90.09% | 83.40 | 91.43 | 98.32 | 84.20 | 80.07 | 106.24 | 89.33 | 90.43 | 91.77% | 78.50 | 88.98 | 83.59 | 83.69 | 0.88 | 88.05 | 89.92% |
| 4 | Mulched Tree waste | TPD | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.06 | 0.06% | 0.00 | 0.00 | 0.51 | 0.34 | 0.51 | 0.00 | 0.00 | 0.19 | 0.20% | 0.46 | 0.00 | 0.00 | 0.15 | 0.00 | 0.17 | 0.17% |
| 5 | Total.....1+2+3+4 | TPD | 106.00 | 102.57 | 100.36 | 100.63 | 94.17 | 107.98 | 108.29 | 102.86 | 100.00% | 95.16 | 95.75 | 99.83 | 90.39 | 92.90 | 118.50 | 97.23 | 98.54 | 100.00% | 96.65 | 96.57 | 93.51 | 95.58 | 100.00% | 97.91 | 100.00% |
| B | Input Waste Composition: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Organic / Bio degradable Fraction | 65.00% | 49.49 | 48.66 | 45.89 | 48.47 | 44.71 | 51.44 | 47.12 | 47.97 | 46.64% | 48.37 | 42.28 | 42.67 | 40.12 | 46.45 | 53.55 | 46.76 | 45.74 | 46.42% | 48.76 | 45.05 | 46.37 | 46.73 | 48.89% | 46.37 | 47.38% |
| 2 | Inorganic / Non-recyclable Fraction (RDF) | | 35.28 | 33.62 | 33.05 | 34.07 | 28.53 | 34.17 | 41.13 | 34.26 | 33.31% | 28.19 | 35.81 | 39.74 | 30.28 | 29.74 | 44.03 | 31.97 | 34.25 | 34.76% | 27.67 | 34.65 | 27.84 | 30.05 | 31.44% | 32.52 | 33.22% |
| 3 | Recyclables | 14.00% | 14.32 | 12.46 | 13.92 | 12.97 | 12.64 | 15.10 | 14.55 | 13.71 | 13.33% | 13.48 | 12.25 | 12.34 | 12.37 | 12.00 | 12.40 | 12.82 | 12.52 | 12.71% | 12.30 | 12.03 | 10.90 | 11.75 | 12.29% | 12.58 | 12.83% |
| | Glass | 0.50% | 0.07 | 0.09 | 0.08 | 0.07 | 0.09 | 0.09 | 0.10 | 0.09 | 0.08% | 0.08 | 0.08 | 0.08 | 0.06 | 0.07 | 0.11 | 0.09 | 0.08 | 0.08% | 0.10 | 0.10 | 0.05 | 0.08 | 0.08% | 0.08 | 0.08% |
| | Metal | 0.50% | 0.39 | 0.51 | 0.39 | 0.47 | 0.43 | 0.48 | 0.47 | 0.45 | 0.44% | 0.36 | 0.37 | 0.47 | 0.35 | 0.39 | 0.53 | 0.40 | 0.41 | 0.42% | 0.33 | 0.40 | 0.34 | 0.35 | 0.37% | 0.39 | 0.40% |
| | Paper / Cardboard / Tetrapack | 4.00% | 1.67 | 2.71 | 1.96 | 2.38 | 1.44 | 2.87 | 2.06 | 2.16 | 2.10% | 1.75 | 2.64 | 2.23 | 2.48 | 2.20 | 2.51 | 2.09 | 2.27 | 2.31% | 2.45 | 1.45 | 2.36 | 2.09 | 2.18% | 2.18 | 2.22% |
| | Mixed Plastic, Bottles, Cups, Food Packets, Coated Plastics | 6.00% | 6.35 | 3.62 | 5.64 | 4.71 | 5.99 | 7.22 | 7.49 | 5.86 | 5.70% | 6.59 | 3.86 | 4.89 | 6.23 | 4.85 | 4.68 | 5.37 | 5.21 | 5.29% | 4.83 | 5.45 | 3.38 | 4.55 | 4.76% | 5.04 | 5.13% |
| | Thermocoal / Styrofoam | 1.00% | 0.05 | 0.08 | 0.06 | 0.05 | 0.05 | 0.06 | 0.08 | 0.06 | 0.06% | 0.08 | 0.09 | 0.07 | 0.06 | 0.09 | 0.05 | 0.05 | 0.08 | 0.08% | 0.10 | 0.05 | 0.07 | 0.07 | 0.08% | 0.07 | 0.07% |
| | Cloth / Rags / Textiles | 1.50% | 2.16 | 1.72 | 2.28 | 2.32 | 1.94 | 2.13 | 2.20 | 2.11 | 2.05% | 2.38 | 2.25 | 2.41 | 1.52 | 2.06 | 2.07 | 1.63 | 2.05 | 2.08% | 2.24 | 1.47 | 1.91 | 1.87 | 1.96% | 2.04 | 2.08% |
| | Rubber Items | 0.50% | 0.34 | 0.47 | 0.34 | 0.44 | 0.28 | 0.27 | 0.27 | 0.35 | 0.34% | 0.36 | 0.40 | 0.28 | 0.29 | 0.23 | 0.58 | 0.25 | 0.34 | 0.35% | 0.35 | 0.33 | 0.40 | 0.36 | 0.38% | 0.35 | 0.36% |
| | Coconut | | 3.28 | 3.25 | 3.17 | 2.52 | 2.41 | 1.98 | 1.90 | 2.64 | 2.57% | 1.88 | 2.56 | 1.92 | 1.38 | 2.11 | 1.81 | 2.95 | 2.09 | 2.12% | 1.90 | 2.80 | 2.40 | 2.37 | 2.48% | 2.43 | 2.48% |
| 4 | Inert | 10.00% | 6.91 | 7.83 | 7.50 | 5.12 | 8.30 | 7.28 | 5.49 | 6.92 | 6.73% | 5.12 | 5.41 | 5.08 | 7.62 | 4.71 | 8.52 | 5.68 | 6.02 | 6.11% | 7.92 | 4.84 | 8.40 | 7.05 | 7.38% | 6.44 | 6.58% |
| 5 | Mulched Tree Waste | 11.00% | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | | | 0.00 | 0.00 | 0.51 | 0.34 | 0.51 | 0.00 | 0.00 | | | 0.46 | 0.00 | 0.00 | | | | |
| | Total.....1+2+3+4+5 | 100.00% | | | | | | | | | 100.00% | | | | | | | | 100.00% | | | | | | | | 100.00% |

2 RECYCLABLES:

| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average |
|----------|---------------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|-----------------|
| A | Recyclables: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Glass | Kg | 74 | 92 | 80 | 70 | 94 | 86 | 97 | 85 | 76 | 77 | 80 | 63 | 65 | 107 | 88 | 79 | 97 | 97 | 47 | 80 | 79 |
| 2 | Metal | Kg | 392 | 513 | 391 | 473 | 433 | 475 | 466 | 449 | 362 | 373 | 469 | 353 | 390 | 533 | 399 | 411 | 329 | 396 | 337 | 354 | 389 |
| 3 | Tetrapack | Kg | 84 | 144 | 88 | 83 | 52 | 86 | 74 | 87 | 75 | 114 | 69 | 141 | 125 | 113 | 115 | 107 | 98 | 68 | 113 | 93 | 97 |
| 4 | Paper / Cardboard | Kg | 1,591 | 2,564 | 1,869 | 2,301 | 1,389 | 2,786 | 1,983 | 2,069 | 1,676 | 2,529 | 2,157 | 2,336 | 2,076 | 2,399 | 1,975 | 2,164 | 2,357 | 1,380 | 2,243 | 1,993 | 2,082 |
| | Total.....3+4 | Kg | 1,675 | 2,708 | 1,957 | 2,384 | 1,441 | 2,872 | 2,057 | 2,156 | 1,751 | 2,643 | 2,226 | 2,477 | 2,201 | 2,512 | 2,090 | 2,271 | 2,455 | 1,448 | 2,356 | 2,086 | 2,178 |
| 5 | Plastic Films | Kg | 5,537 | 3,085 | 4,924 | 4,262 | 5,121 | 6,227 | 6,534 | 5,099 | 6,041 | 3,558 | 4,153 | 5,524 | 4,214 | 4,245 | 4,868 | 4,658 | 4,209 | 4,619 | 2,998 | 3,942 | 4,378 |
| 6 | Hard Plastic | Kg | 578 | 351 | 192 | 283 | 587 | 376 | 382 | 393 | 224 | 162 | 440 | 249 | 422 | 267 | 268 | 290 | 198 | 338 | 165 | 234 | 322 |
| 7 | Pet | Kg | 235 | 185 | 525 | 165 | 281 | 621 | 577 | 370 | 330 | 139 | 298 | 455 | 213 | 169 | 231 | 262 | 425 | 490 | 213 | 376 | 338 |
| | Total.....5+6+7 | Kg | 6,350 | 3,621 | 5,641 | 4,710 | 5,989 | 7,224 | 7,493 | 5,861 | 6,595 | 3,859 | 4,891 | 6,228 | 4,849 | 4,681 | 5,367 | 5,210 | 4,832 | 5,447 | 3,376 | 4,552 | 5,039 |
| 8 | Thermocoal | Kg | 53 | 82 | 60 | 50 | 47 | 65 | 76 | 62 | 76 | 86 | 70 | 63 | 93 | 95 | 49 | 76 | 97 | 48 | 75 | 73 | 70 |
| 9 | Cloth / Rags / Textile | Kg | 1,516 | 1,461 | 1,834 | 1,920 | 1,445 | 1,570 | 1,543 | 1,613 | 1,832 | 1,823 | 2,040 | 1,162 | 1,506 | 1,644 | 1,299 | 1,615 | 1,592 | 1,196 | 1,484 | 1,424 | 1,581 |
| 10 | Jute Bags | Kg | 647 | 262 | 444 | 404 | 495 | 557 | 655 | 495 | 547 | 428 | 366 | 357 | 557 | 429 | 335 | 431 | 650 | 272 | 423 | 448 | 458 |
| | Total.....9+10 | Kg | 2,163 | 1,723 | 2,278 | 2,324 | 1,940 | 2,127 | 2,198 | 2,108 | 2,379 | 2,251 | 2,406 | 1,519 | 2,063 | 2,073 | 1,634 | 2,046 | 2,242 | 1,468 | 1,907 | 1,872 | 2,039 |
| 11 | Leather / Rubber / Rexine | Kg | 339 | 472 | 341 | 443 | 283 | 270 | 271 | 346 | 362 | 402 | 280 | 289 | 232 | 581 | 253 | 343 | 348 | 328 | 402 | 359 | 354 |
| 12 | Coconut | Kg | 3,275 | 3,251 | 3,171 | 2,516 | 2,411 | 1,976 | 1,895 | 2,642 | 1,884 | 2,557 | 1,917 | 1,383 | 2,109 | 1,813 | 2,946 | 2,087 | 1,904 | 2,801 | 2,403 | 2,369 | 2,428 |
| 13 | Total | Kg | 14,321 | 12,462 | 13,919 | 12,970 | 12,638 | 15,095 | 14,553 | 13,708 | 13,485 | 12,248 | 12,339 | 12,375 | 12,002 | 12,395 | 12,826 | 12,524 | 12,304 | 12,033 | 10,903 | 11,747 | 12,576 |
| | | TPD | 14.32 | 12.46 | 13.92 | 12.97 | 12.64 | 15.10 | 14.55 | 13.71 | 13.49 | 12.25 | 12.34 | 12.38 | 12.00 | 12.40 | 12.83 | 12.52 | 12.30 | 12.03 | 10.90 | 11.75 | 12.58 |

3 ELECTRICITY GENERATION:

| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average |
|----------|-------------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| A | Biogas Gensets: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Biogas Genset-I: Running Time | hr | 13.85 | 12.54 | 10.19 | 11.53 | 17.05 | 13.22 | 20.52 | 14.13 | 13.18 | 16.45 | 11.63 | 18.95 | 20.38 | 14.84 | 17.48 | 16.13 | 16.33 | 10.04 | 22.60 | 16.32 | 15.62 |
| 2 | Biogas Genset-I: Energy Generation | kW.hr | 1,750 | 1,757 | 1,838 | 1,873 | 2,061 | 1,909 | 2,462 | 1,950 | 2,062 | 1,880 | 1,617 | 2,999 | 2,828 | 2,031 | 2,676 | 2,299 | 2,730 | 1,755 | 2,676 | 2,387 | 2,173 |
| 3 | Biogas Genset-II: Running Time | hr | 17.28 | 21.48 | 11.54 | 10.76 | 16.24 | 23.55 | 14.52 | 16.48 | 14.58 | 13.54 | 22.03 | 12.96 | 10.13 | 14.49 | 6.20 | 13.42 | 12.06 | 22.76 | 13.88 | 16.23 | 15.23 |
| 4 | Biogas Genset-II: Energy Generation | kW.hr | 2,405 | 2 | | | | | | | | | | | | | | | | | | | |

4 BIOGAS FLARE:

| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average |
|---------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| 2 | Operation Time | hr/day | 7.03 | 7.32 | 6.33 | 5.12 | 5.22 | 3.18 | 5.23 | 5.63 | 5.10 | 3.20 | 3.18 | 3.62 | 4.63 | 4.97 | 3.78 | 4.07 | 5.60 | 4.25 | 5.13 | 4.99 | 5.34 |

5 EFFLUENT TREATMENT PLANT:

| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average |
|------------------------------------|----------------------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| A Raw Effluent Quality: | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Flow | m ³ /day | 48.06 | 60.50 | 54.21 | 64.22 | 53.15 | 67.42 | 59.97 | 58.22 | 66.29 | 65.14 | 66.01 | 60.99 | 43.84 | 62.46 | 56.84 | 60.22 | 62.59 | 55.17 | 56.24 | 58.00 | 57.64 |
| 2 | pH | --- | 6.21 | 7.42 | 6.96 | 6.38 | 6.44 | 7.63 | 8 | 7.01 | 6.48 | 7.38 | 7.22 | 6.72 | 7.63 | 7.16 | 6.88 | 7.07 | 6.15 | 6.39 | 6.96 | 6.50 | 7.02 |
| 3 | Biochemical Oxygen Demand (BOD5) | mg/l | 1,934 | 2,283 | 1,721 | 1,701 | 1,725 | 2,411 | 2,266 | 2,006 | 1,539 | 1,576 | 2,254 | 1,759 | 1,604 | 1,838 | 1,788 | 1,765 | 2,292 | 2,262 | 2,199 | 2,251 | 2,061 |
| 4 | Chemical Oxygen Demand (COD) | mg/l | 5,841 | 7,876 | 3,528 | 3,742 | 4,727 | 7,715 | 6,821 | 5,750 | 3,401 | 5,484 | 6,672 | 5,805 | 4,170 | 5,974 | 3,951 | 5,065 | 7,472 | 7,012 | 5,234 | 6,573 | 5,770 |
| 5 | Total Suspended Solids (TSS) | mg/l | 3,365 | 5,365 | 3,735 | 2,994 | 3,899 | 5,256 | 4,373 | 4,141 | 2,770 | 3,898 | 3,854 | 4,345 | 3,898 | 3,511 | 3,057 | 3,420 | 3,576 | 3,710 | 3,299 | 3,528 | 4,001 |
| 6 | Total Dissolve Solids (TDS) | mg/l | 1,651 | 1,593 | 1,566 | 1,693 | 1,790 | 1,634 | 1,651 | 1,654 | 1,791 | 1,708 | 1,606 | 1,690 | 1,539 | 1,785 | 1,715 | 1,691 | 1,587 | 1,696 | 1,772 | 1,685 | 1,672 |
| B Treated Effluent Quality: | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | pH | --- | 6.69 | 6.66 | 6.61 | 6.71 | 6.5 | 7.46 | 7.16 | 6.83 | 7.39 | 7.41 | 6.68 | 7.5 | 6.69 | 6.39 | 6.71 | 6.97 | 7.45 | 6.84 | 7.18 | 7.16 | 6.86 |
| 2 | Biochemical Oxygen Demand (BOD5) | mg/l | 7 | 5 | 6 | 8 | 8 | 9 | 7 | 7 | 6 | 7 | 9 | 7 | 5 | 8 | 9 | 7 | 7 | 7 | 9 | 8 | 7 |
| 3 | Chemical Oxygen Demand (COD) | mg/l | 81 | 49 | 41 | 49 | 74 | 69 | 74 | 62 | 83 | 51 | 56 | 72 | 84 | 62 | 50 | 65 | 69 | 71 | 86 | 75 | 64 |
| 1 | Total Suspended Solids (TSS) | mg/l | 8 | 6 | 7 | 9 | 9 | 10 | 8 | 8 | 7 | 8 | 10 | 8 | 6 | 9 | 10 | 8 | 8 | 8 | 10 | 9 | 8 |
| 2 | Total Dissolve Solids (TDS) | mg/l | 1,651 | 1,673 | 1,660 | 1,862 | 1,969 | 1,634 | 1,717 | 1,738 | 1,898 | 1,742 | 1,751 | 1,724 | 1,539 | 1,821 | 1,766 | 1,749 | 1,682 | 1,832 | 1,896 | 1,803 | 1,760 |

6 DISPOSAL OF INERT:

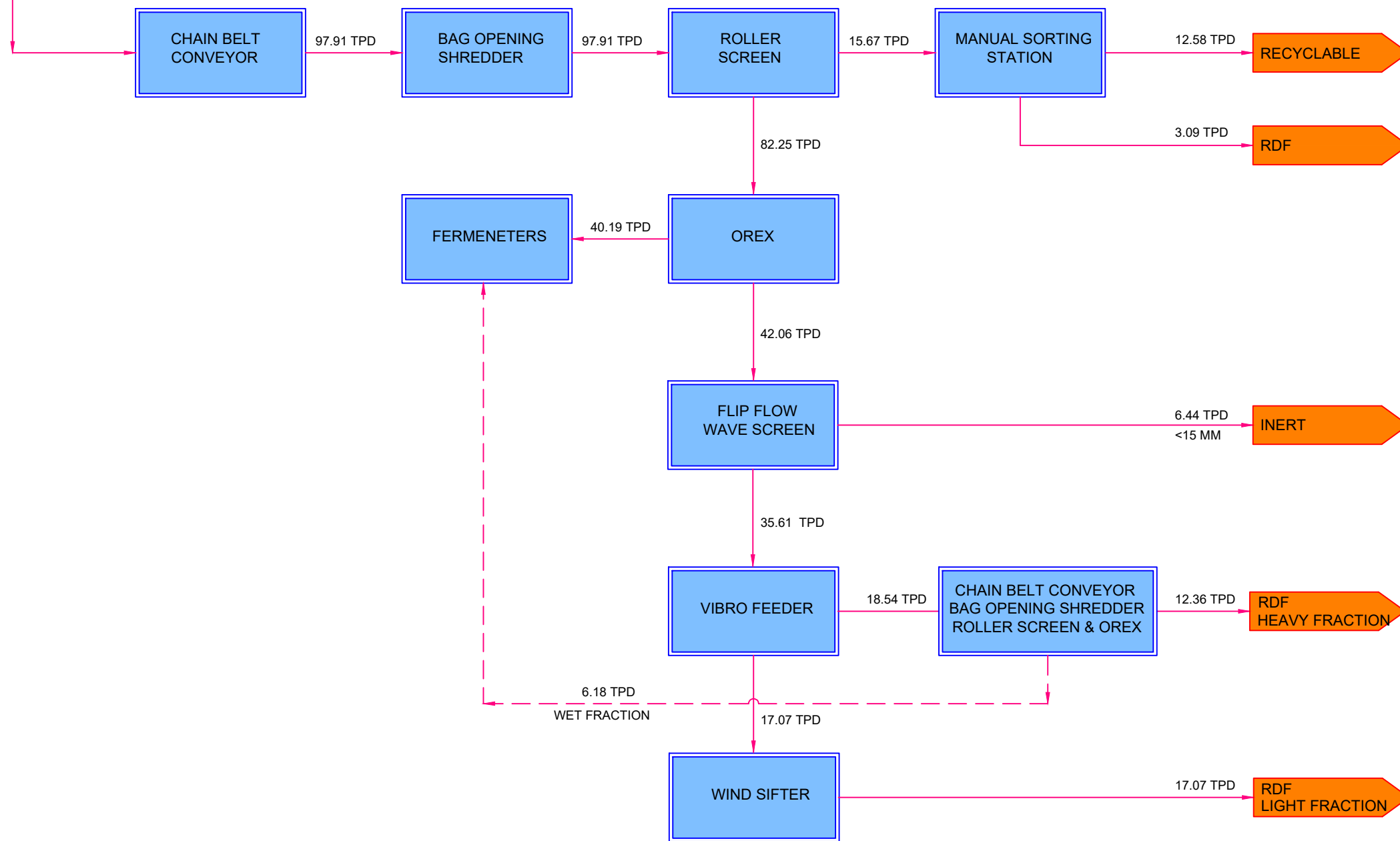
| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average |
|---------|---|------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| 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 | 106.00 | 102.57 | 100.36 | 100.63 | 94.17 | 107.98 | 108.29 | 102.86 | 95.16 | 95.75 | 99.83 | 90.39 | 92.90 | 118.50 | 97.23 | 98.54 | 96.65 | 96.57 | 93.51 | 95.58 | 97.91 |
| 3 | Inert Fraction | Kg | 6,911 | 7,826 | 7,497 | 5,122 | 8,296 | 7,278 | 5,490 | 6,917 | 5,120 | 5,410 | 5,081 | 7,620 | 4,710 | 8,520 | 5,678 | 6,020 | 7,916 | 4,838 | 8,397 | 7,050 | 6,445 |
| 4 | % of Total Input Waste.....3/2 | % | 6.52% | 7.63% | 7.47% | 5.09% | 8.81% | 6.74% | 5.07% | 6.76% | 5.38% | 5.65% | 5.09% | 8.43% | 5.07% | 7.19% | 5.84% | 6.09% | 8.19% | 5.01% | 8.98% | 7.39% | 6.58% |

7 HOUSEKEEPING:

| Sr. No. | Description | Unit | 15-Mar | 16-Mar | 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | Weekly Average | 22-Mar | 23-Mar | 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | Weekly Average | 29-Mar | 30-Mar | 31-Mar | Weekly Average | Monthly Average |
|---------|-----------------------|------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------------|-----------------|
| 1 | Hygienic Conditions | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 2 | Cleanliness | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 3 | Manpower Deployed | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 4 | Safety Norms | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 5 | Treatment Methodology | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |
| 6 | Storage Conditions | --- | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted | Accepted |

| INPUT WASTE | | |
|-------------|--------------|--------------|
| SR. NO. | NAME | WEIGHT (TPD) |
| 1 | RECYCLABLES | 12.58 |
| 2 | RDF | 32.52 |
| 3 | WET FRACTION | 46.37 |
| 4 | INERT | 6.44 |
| TOTAL | | 97.91 |

| NUMBER OF RECYCLABLE FRACTIONS | | |
|--------------------------------|-----------------------|-------------|
| SR. NO. | NAME | WEIGHT (KG) |
| 01 | GLASS | 79 |
| 02 | METALS | 389 |
| 03 | TETRAPACK | 97 |
| 04 | PAPER/CARDBOARD | 2082 |
| 05 | PLASTIC FILM | 4378 |
| 06 | HARD PLASTIC | 322 |
| 07 | PET | 338 |
| 08 | THERMOCAL | 70 |
| 09 | CLOTH/RAGS/TEXTILE | 1581 |
| 10 | JUTE BAGS | 458 |
| 11 | LEATHER/RUBBER/REXINE | 354 |
| 12 | COCONUT | 2428 |
| TOTAL | | 12576 |



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 | | 01/04/17 |
| DSGN | SG | | 01/04/17 |
| CHKD | SG | | 01/04/17 |
| APPD | GK | | 01/04/17 |

TITLE :
 ANNEXURE -1:
 MASS BALANCE
 MARCH 2017 (01-03-2017 TO 31-03-2017)

| SCALE NTS | |
|-----------|---------|
| SIZE A3 | REV. R0 |