

**Monthly Performance Report
(HWT-NG100-MPR-36-R0)**

**July 2019
(From 01/07/2019 to 31/07/2019)**

**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)
Goa Waste Management Corporation (GWMC)**

Table – 1
Summary of Overall Average Results for July 2019
(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. Aluminium 3. Metal 4. Paper + Cardboard 5. Tetra Pack 6. Hard Plastic 7. PET 8. Mixed Plastic 9. Styrofoam + Thermocol 10. Cloth + Rags + Textile 11. Leather + Rexine + Rubber 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 121.95 TPD . Quantum of Inert is 0.69 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 0.63 MW/100 MT of Input Biodegradable Waste as received in the Facility (in TPD). |
| 4. | Biogas Flaring System | The Biogas Flaring System shall strictly be used only in case of | Biogas is being flared strictly, only under emergency and not as a |

| Sr. No. | Parameter | Performance Standard As per Schedule – 7 | Actual Performance at Plant (Monthly Average) | | | | | | | | | | |
|---------|---|---|--|----|------|-----|--------|-----|---------|-----|--------|-----|------------|
| | | emergency and not as a routine practice. | routine practice. The average running time of Biogas Flaring System is 0.78 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 646 1403 856"> <tbody> <tr> <td>pH</td> <td>6.97</td> </tr> <tr> <td>BOD</td> <td>7 mg/l</td> </tr> <tr> <td>COD</td> <td>66 mg/l</td> </tr> <tr> <td>TSS</td> <td>8 mg/l</td> </tr> <tr> <td>TDS</td> <td>1,596 mg/l</td> </tr> </tbody> </table> | pH | 6.97 | BOD | 7 mg/l | COD | 66 mg/l | TSS | 8 mg/l | TDS | 1,596 mg/l |
| pH | 6.97 | | | | | | | | | | | | |
| BOD | 7 mg/l | | | | | | | | | | | | |
| COD | 66 mg/l | | | | | | | | | | | | |
| TSS | 8 mg/l | | | | | | | | | | | | |
| TDS | 1,596 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. | | | | | | | | | | |

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

| # | Plant Performance Data: July 2019 | | |
|---------|-----------------------------------|--|-----------|
| Sr. No. | Content | Month | Signature |
| 1 | Input Waste Composition | From 01.07.2019 To 31.07.2019 | |
| 2 | Recyclables | | |
| 3 | Electricity Generation | | |
| 4 | Biogas Flare | | |
| 5 | Effluent Treatment Plant | | |
| 6 | Inert | | |
| 7 | Housekeeping | | |

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

1 WASTE:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul | | |
|------------------------|----------------------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|
| 1A Input Waste: | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Type 1: Dry Waste | TPD | 79.20 | 89.13 | 67.86 | 81.26 | 76.95 | 75.65 | 64.63 | 76.38 | 61.04% | 79.500 | 79.840 | 72.550 | 72.690 | 83.690 | 68.590 | 66.300 | 74.74 | 59.20% | 80.13 | 74.71 | 71.32 | 77.98 |
| 2 | Type 2: Wet Waste | TPD | 47.05 | 50.57 | 39.66 | 41.95 | 39.24 | 42.84 | 37.05 | 42.62 | 34.06% | 48.350 | 41.210 | 47.950 | 33.380 | 47.990 | 42.840 | 45.130 | 43.84 | 34.72% | 51.65 | 38.63 | 41.43 | 39.87 |
| 3 | Type 3: Mixed Waste | TPD | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | Type 4: Tree Waste | TPD | 7.24 | 5.44 | 7.13 | 4.62 | 6.30 | 3.41 | 8.75 | 6.13 | 4.90% | 5.390 | 6.760 | 12.710 | 7.250 | 7.130 | 7.710 | 6.740 | 7.67 | 6.08% | 7.92 | 5.65 | 7.83 | 7.42 |
| 5 | Total.....(1)+(2)+(3)+(4) | TPD | 133.49 | 145.14 | 114.65 | 127.83 | 122.49 | 121.90 | 110.43 | 125.13 | 100.00% | 133.24 | 127.81 | 133.21 | 113.32 | 138.81 | 119.14 | 118.17 | 126.24 | 100.00% | 139.70 | 118.99 | 120.58 | 125.27 |

- # **Note:**
 1 **Type-I: Dry Waste:** This has 25-30% Organic and 70-75% Inorganic.
 2 **Type-II: Wet Waste:** This has 65-70% Organic and 30-35%
 3 **Type-I: Mixed Waste:** This has 45-50% Organic and 50-55% Inorganic.

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul | | |
|------------------------------|------------------------------|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|
| 1B Output Products: | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Organic Fraction | TPD | 52.56 | 58.45 | 46.62 | 50.65 | 46.09 | 52.55 | 42.40 | 49.90 | 39.88% | 57.10 | 51.79 | 50.73 | 42.36 | 54.76 | 47.39 | 49.42 | 50.51 | 40.01% | 59.12 | 44.36 | 48.24 | 49.55 |
| 2 Inorganic Fraction: | | | | | | | | | | | | | | | | | | | | | | | | |
| Recyclables | | | | | | | | | | | | | | | | | | | | | | | | |
| | RDF | TPD | 9.22 | 9.92 | 7.87 | 9.20 | 8.64 | 8.79 | 7.50 | 8.74 | 6.98% | 8.99 | 9.25 | 9.21 | 7.80 | 9.96 | 7.74 | 8.55 | 8.78 | 6.96% | 9.84 | 8.43 | 7.97 | 8.17 |
| | Bulking Material | TPD | 57.97 | 67.40 | 51.28 | 61.68 | 59.63 | 51.85 | 48.85 | 56.95 | 45.51% | 58.94 | 58.15 | 57.91 | 53.09 | 63.52 | 53.55 | 51.70 | 56.69 | 44.91% | 60.96 | 59.02 | 54.75 | 58.48 |
| | Inert | TPD | 1.72 | 1.91 | 1.75 | 1.68 | 1.82 | 1.49 | 1.70 | 1.72 | 1.38% | 1.46 | 1.86 | 1.34 | 1.51 | 2.13 | 1.69 | 1.76 | 1.68 | 1.33% | 1.86 | 1.53 | 1.79 | 1.65 |
| | | TPD | 4.79 | 2.02 | 0.00 | 0.00 | 0.00 | 3.81 | 1.23 | 1.69 | 1.35% | 1.36 | 0.00 | 1.32 | 1.32 | 1.05 | 0.00 | 0.91 | 0.72% | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | Tree Waste | TPD | 7.24 | 5.44 | 7.13 | 4.62 | 6.30 | 3.41 | 8.75 | 6.13 | 4.90% | 5.39 | 6.76 | 12.71 | 7.25 | 7.13 | 7.71 | 6.74 | 7.67 | 6.08% | 7.92 | 5.65 | 7.83 | 7.42 |
| | Total.....(1)+(2)+(3) | TPD | 133.49 | 145.14 | 114.65 | 127.83 | 122.49 | 121.90 | 110.43 | 125.13 | 100.00% | 133.24 | 127.81 | 133.21 | 113.32 | 138.81 | 119.14 | 118.17 | 126.24 | 100.00% | 139.70 | 118.99 | 120.58 | 125.27 |

2 RECYCLABLES:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|---------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| 1 | Glass | Kg | 126 | 182 | 129 | 160 | 163 | 178 | 122 | 151 | 179 | 182 | 181 | 159 | 171 | 156 | 167 | 171 | 198 | 170 | 169 | 177 |
| 2 | Aluminum | Kg | 126 | 140 | 97 | 111 | 116 | 107 | 81 | 111 | 102 | 73 | 121 | 74 | 66 | 111 | 100 | 92 | 66 | 57 | 68 | 71 |
| 3 | Metal | Kg | 253 | 265 | 194 | 185 | 186 | 237 | 193 | 216 | 243 | 218 | 205 | 202 | 224 | 189 | 223 | 215 | 211 | 193 | 180 | 200 |
| 4 | Tetra Pack | Kg | 88 | 98 | 65 | 111 | 70 | 95 | 92 | 88 | 64 | 73 | 121 | 85 | 105 | 89 | 89 | 89 | 105 | 102 | 113 | 82 |
| 5 | Hard Plastic | Kg | 215 | 182 | 161 | 222 | 116 | 178 | 132 | 172 | 230 | 206 | 229 | 202 | 211 | 123 | 201 | 200 | 198 | 159 | 180 | 118 |
| 6 | PET | Kg | 240 | 251 | 151 | 222 | 174 | 166 | 163 | 195 | 153 | 218 | 193 | 106 | 145 | 167 | 167 | 164 | 171 | 193 | 124 | 153 |
| 7 | Mixed Plastic | Kg | 8,055 | 8,689 | 7,000 | 8,083 | 7,703 | 7,714 | 6,640 | 7,698 | 7,914 | 8,171 | 8,086 | 6,863 | 8,967 | 6,853 | 7,499 | 7,765 | 8,777 | 7,503 | 7,036 | 7,307 |
| 8 | Thermocol + Styrofoam | Kg | 114 | 112 | 75 | 111 | 116 | 118 | 81 | 104 | 102 | 109 | 72 | 106 | 66 | 56 | 100 | 87 | 119 | 57 | 101 | 59 |
| 9 | Cloth + Rags + Textiles | Kg | 1,023 | 796 | 978 | 850 | 616 | 604 | 651 | 788 | 678 | 1,089 | 976 | 764 | 751 | 1,070 | 981 | 901 | 1,173 | 884 | 631 | 813 |
| 10 | Leather + Rexine + Rubber | Kg | 934 | 1,383 | 581 | 875 | 755 | 877 | 803 | 887 | 729 | 642 | 1,169 | 562 | 711 | 713 | 1,059 | 798 | 1,173 | 827 | 891 | 660 |
| 11 | Paper + Cardboard | Kg | 884 | 950 | 742 | 752 | 813 | 794 | 712 | 807 | 767 | 799 | 723 | 721 | 922 | 724 | 780 | 777 | 883 | 691 | 722 | 801 |
| 12 | Coconut | Kg | 833 | 964 | 1,011 | 924 | 1,011 | 699 | 986 | 918 | 690 | 1,065 | 615 | 785 | 1,211 | 969 | 981 | 902 | 975 | 839 | 1,071 | 849 |

- # **Note:**
 1 Item No. 9 (Cloth + Rags + Textiles) and 10 (Leather + Rexine + Rubber) are sent to Cement Plants as RDF.
 2 Item No. 11 (Paper + Cardboard) and 12 (Coconut) are used as Bulking Material in Composting.

3 ELECTRICITY GENERATION:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|------------------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|
| 3.1 Biogas Gensets: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Biogas Genset-I: Running Time | hr | 16.05 | 20.60 | 20.55 | 22.35 | 22.25 | 22.75 | 20.20 | 20.68 | 19.30 | 23.30 | 18.45 | 23.55 | 15.05 | 20.20 | 23.00 | 20.41 | 23.90 | 23.85 | 23.40 | 23.25 |
| 2 | Biogas Genset-I: Energy Generation | kW.hr | 2,260 | 2,770 | 2,990 | 3,200 | 3,520 | 3,630 | 3,080 | 3,064.29 | 2,540 | 3,620 | 2,430 | 3,540 | 1,440 | 2,970 | 3,490 | 2,861.43 | 3,760 | 3,790 | 3,350 | 3,770 |
| 3 | Biogas Genset-II: Running Time | hr | 23.70 | 23.50 | 20.50 | 22.40 | 22.35 | 22.65 | 19.30 | 22.06 | 23.35 | 21.65 | 16.50 | 23.00 | 20.95 | 19.85 | 21.85 | 21.02 | 23.90 | 23.85 | 23.40 | 23.15 |
| 4 | Biogas Genset-II: Energy Generation | kW.hr | 3,740 | 3,370 | 3,130 | 3,370 | 3,640 | 3,720 | 3,110 | 3,440.00 | 3,680 | 3,580 | 2,380 | 3,620 | 3,340 | 2,990 | 3,560 | 3,307.14 | 3,920 | 3,920 | 3,520 | 3,840 |
| 5 | Total.....(1)+(2)+(3)+(4) | kW.hr | 6,000 | 6,140 | 6,120 | 6,570 | 7,160 | 7,350 | 6,190 | 6,504 | 6,220 | 7,200 | 4,810 | 7,160 | 4,780 | 5,960 | 7,050 | 6,169 | 7,680 | 7,710 | 6,870 | 7,610 |
| 3.2 Electricity Generation: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per 100 tons of Input Biodegradable Waste as received in the Facility. | MW/100 MT | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 | Biodegradable Waste | TPD | 52.56 | 58.45 | 46.62 | 50.65 | 46.09 | 52.55 | 42.40 | 49.90 | 57.10 | 51.79 | 50.73 | 42.36 | 54.76 | 47.39 | 49.42 | 50.51 | 59.12 | 44.36 | 48.24 | 49.55 |
| 3 | Electricity Generation = $100 * ((A2 + A1) + (A4 + A3)) \div 1000 \div 18.1$ | kW | 299 | 278 | 298 | 294 | 321 | 324 | 314 | 304 | 289 | 321 | 276 | 308 | 255 | 298 | 315 | 294 | 321 | 323 | 294 | 328 |
| 4 | Electricity Generation | MW/100 MT | 0.57 | 0.48 | 0.64 | 0.58 | 0.70 | 0.62 | 0.74 | 0.62 | 0.51 | 0.62 | 0.54 | 0.73 | 0.47 | 0.63 | 0.64 | 0.59 | 0.54 | 0.73 | 0.61 | 0.66 |

4 BIOGAS FLARE:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|---------|----------------|--------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| 1 | Operation Time | hr/day | 0.000 | 0.000 | 2.117 | 2.117 | 1.733 | 0.900 | 0.233 | 1.01 | 1.717 | 0.000 | 1.633 | 0.600 | 3.417 | 1.400 | 0.567 | 1.33 | 0.150 | 0.000 | 0.000 | 0.000 |

5 EFFLUENT TREATMENT PLANT:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|----------------------------------|----------------------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| 5.1 Raw Effluent Quality: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Flow | m ³ /day | 70.99 | 75.70 | 81.39 | 81.93 | 65.66 | 73.58 | 52.94 | 71.74 | 83.83 | 80.89 | 63.35 | 66.45 | 80.43 | 77.04 | 84.05 | 76.58 | 74.31 | 82.09 | 84.53 | 86.97 |
| 2 | pH | --- | 6.90 | 6.41 | 7.73 | 7.71 | 7.41 | 6.34 | 7.55 | 7.15 | 7.42 | 6.25 | 6.06 | 6.62 | 6.27 | 6.35 | 7.67 | 6.66 | 6.49 | 7.70 | 6.18 | 7.47 |
| 3 | Biochemical Oxygen Demand (BOD5) | mg/l | 1,974 | 1,983 | 2,339 | 2,495 | 1,888 | 1,859 | 2,014 | 2,079 | 1,869 | 1,946 | 2,400 | 1,860 | 1,525 | 1,506 | 2,404 | 1,930 | 1,612 | 2,333 | 2,156 | 1,792 |
| 4 | Chemical Oxygen Demand (COD) | mg/l | 6,554 | 6,286 | 6,035 | 5,868 | 5,419 | 4,071 | 5,277 | 5,868 | 5,943 | 5,916 | 4,992 | 5,394 | 4,499 | 4,759 | 6,827 | 5,476 | 3,772 | 7,932 | 5,131 | 5,609 |
| 5 | Total Suspended Solids (TSS) | mg/l | 3,257 | 4,819 | 5,099 | 5,190 | 3,700 | 3,848 | 3,927 | 4,263 | 4,000 | 3,250 | 5,784 | 3,032 | 2,760 | 2,997 | 4,159 | 3,712 | 3,885 | 5,763 | 5,304 | 2,706 |
| 6 | Total Dissolve Solids (TDS) | mg/l | 1,567 | 1,506 | 1,674 | 1,329 | 1,601 | 1,588 | 1,444 | 1,530 | 1,323 | 1,670 | 1,472 | 1,318 | 1,481 | 1,410 | 1,613 | 1,470 | 1,385 | 1,796 | 1,627 | 1,601 |

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

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|---------|----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| 5.2 | Treated Effluent Quality: | | | | | | | | | | | | | | | | | | | | | |
| 1 | pH | --- | 7.13 | 7.04 | 7.48 | 6.61 | 6.66 | 7.49 | 6.55 | 6.99 | 6.91 | 7.11 | 6.62 | 6.97 | 6.69 | 6.89 | 6.63 | 6.83 | 6.92 | 6.62 | 7.02 | 6.66 |
| 2 | Biochemical Oxygen Demand (BOD5) | mg/l | 5 | 6 | 9 | 5 | 9 | 6 | 9 | 7 | 7 | 7 | 6 | 8 | 7 | 9 | 5 | 7 | 5 | 5 | 8 | 8 |
| 3 | Chemical Oxygen Demand (COD) | mg/l | 60 | 81 | 68 | 55 | 59 | 74 | 88 | 69 | 62 | 50 | 50 | 69 | 62 | 86 | 61 | 63 | 71 | 90 | 53 | 64 |
| 4 | Total Suspended Solids (TSS) | mg/l | 6 | 7 | 10 | 6 | 10 | 7 | 10 | 8 | 8 | 8 | 7 | 9 | 8 | 10 | 6 | 8 | 6 | 6 | 9 | 9 |
| 5 | Total Dissolve Solids (TDS) | mg/l | 1,567 | 1,596 | 1,691 | 1,395 | 1,601 | 1,588 | 1,502 | 1,563 | 1,349 | 1,787 | 1,604 | 1,384 | 1,481 | 1,495 | 1,726 | 1,547 | 1,427 | 1,868 | 1,708 | 1,713 |

6 DISPOSAL OF INERT:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|---------|---|------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| 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 | 126.25 | 139.70 | 107.52 | 123.21 | 116.19 | 118.49 | 101.68 | 119.01 | 127.85 | 121.05 | 120.50 | 106.07 | 131.68 | 111.43 | 111.43 | 118.57 | 131.78 | 113.34 | 112.75 | 117.85 |
| 3 | Inert Fraction | TPD | 4.79 | 2.02 | 0.00 | 0.00 | 0.00 | 3.81 | 1.23 | 1.69 | 1.36 | 0.00 | 1.32 | 1.32 | 1.31 | 1.05 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 | % of Total Input Waste.....(3) ÷ (2) | % | 3.79% | 1.45% | 0.00% | 0.00% | 0.00% | 3.22% | 1.21% | 1.38% | 1.06% | 0.00% | 1.10% | 1.24% | 0.99% | 0.94% | 0.00% | 0.76% | 0.00% | 0.00% | 0.00% | 0.00% |

7 HOUSEKEEPING:

| Sr. No. | Description | Unit | 1-Jul | 2-Jul | 3-Jul | 4-Jul | 5-Jul | 6-Jul | 7-Jul | Weekly Average | 8-Jul | 9-Jul | 10-Jul | 11-Jul | 12-Jul | 13-Jul | 14-Jul | Weekly Average | 15-Jul | 16-Jul | 17-Jul | 18-Jul |
|---------|-----------------------|------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|
| 1 | Hygienic Conditions | --- | 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 |
| 3 | Manpower Deployed | --- | 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 |
| 5 | Treatment Methodology | --- | 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 |

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

1 WASTE:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average | | | | |
|-----------|----------------------------------|------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|-----------------|---------------|----------------|---------------|----------------|
| 1A | Input Waste: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Type 1: Dry Waste | TPD | 73.31 | 66.63 | 62.09 | 72.31 | 59.95% | 85.09 | 83.81 | 67.81 | 76.91 | 71.08 | 77.24 | 54.28 | 73.75 | 61.89% | 96.46 | 66.64 | 56.39 | 73.16 | 61.70% | 74.07 | 60.76% |
| 2 | Type 2: Wet Waste | TPD | 39.44 | 42.42 | 45.28 | 42.67 | 35.38% | 43.63 | 39.96 | 39.18 | 30.46 | 44.90 | 39.09 | 37.21 | 39.20 | 32.90% | 44.69 | 46.63 | 30.95 | 40.76 | 34.37% | 41.82 | 34.29% |
| 3 | Type 3: Mixed Waste | TPD | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00% |
| 4 | Type 4: Tree Waste | TPD | 4.26 | 3.78 | 2.64 | 5.64 | 4.68% | 7.82 | 4.19 | 8.38 | 2.54 | 5.01 | 10.98 | 6.20 | 5.21% | 3.24 | 5.98 | 4.74 | 4.65 | 3.92% | 6.06 | 4.96% | |
| 5 | Total.....(1)+(2)+(3)+(4) | TPD | 117.01 | 112.83 | 110.01 | 120.63 | 100.00% | 136.54 | 127.96 | 115.37 | 109.91 | 120.99 | 120.83 | 102.47 | 119.15 | 100.00% | 144.39 | 119.25 | 92.08 | 118.57 | 100.00% | 121.95 | 100.00% |

- # **Note:**
 1 **Type-I: Dry Waste:** This has 25-30% Organic and 70-75% Inorganic.
 2 **Type-II: Wet Waste:** This has 65-70% Organic and 30-35%
 3 **Type-I: Mixed Waste:** This has 45-50% Organic and 50-55% Inorganic.

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average | | | | |
|-----------|------------------------------|------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|----------------|-----------------|---------------|----------------|---------------|----------------|
| 1B | Output Products: | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Organic Fraction | TPD | 49.25 | 45.65 | 45.98 | 48.88 | 40.52% | 55.07 | 51.52 | 44.84 | 42.33 | 49.75 | 48.17 | 40.49 | 47.45 | 39.83% | 55.57 | 50.92 | 35.40 | 47.30 | 39.89% | 48.81 | 40.02% |
| 2 | Inorganic Fraction: | | | | | | | | | | | | | | | | | | | | | | |
| | Recyclables | TPD | 8.16 | 8.22 | 7.92 | 8.39 | 6.95% | 9.60 | 9.20 | 8.18 | 8.36 | 8.14 | 8.83 | 6.38 | 8.39 | 7.04% | 9.82 | 8.81 | 6.70 | 8.45 | 7.12% | 8.55 | 7.01% |
| | RDF | TPD | 53.72 | 53.41 | 50.94 | 55.90 | 46.34% | 62.50 | 61.12 | 52.55 | 55.11 | 54.84 | 57.97 | 43.29 | 55.34 | 46.45% | 73.84 | 50.49 | 43.82 | 56.05 | 47.27% | 56.19 | 46.09% |
| | Bulking Material | TPD | 1.61 | 1.77 | 1.34 | 1.65 | 1.37% | 1.54 | 1.93 | 1.41 | 1.57 | 1.79 | 1.36 | 1.34 | 1.56 | 1.31% | 1.92 | 1.65 | 1.42 | 1.67 | 1.40% | 1.66 | 1.36% |
| | Inert | TPD | 0.00 | 0.00 | 1.18 | 0.17 | 0.14% | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.21 | 0.18% | 0.00 | 1.39 | 0.00 | 0.46 | 0.39% | 0.69 | 0.56% |
| 3 | Tree Waste | TPD | 4.26 | 3.78 | 2.64 | 5.64 | 4.68% | 7.82 | 4.19 | 8.38 | 2.54 | 5.01 | 10.98 | 6.20 | 5.21% | 3.24 | 5.98 | 4.74 | 4.65 | 3.92% | 6.06 | 4.96% | |
| | Total.....(1)+(2)+(3) | TPD | 117.01 | 112.83 | 110.01 | 120.63 | 100.00% | 136.54 | 127.96 | 115.37 | 109.91 | 120.99 | 120.83 | 102.47 | 119.15 | 100.00% | 144.39 | 119.25 | 92.08 | 118.57 | 100.00% | 121.95 | 100.00% |

2 RECYCLABLES:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average |
|---------|---------------------------|------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| 1 | Glass | Kg | 124 | 109 | 129 | 154 | 193 | 136 | 107 | 129 | 162 | 174 | 101 | 143 | 169 | 113 | 105 | 129 | 150 |
| 2 | Aluminum | Kg | 68 | 65 | 64 | 66 | 116 | 99 | 86 | 54 | 116 | 81 | 73 | 89 | 141 | 102 | 44 | 96 | 91 |
| 3 | Metal | Kg | 169 | 164 | 183 | 186 | 232 | 223 | 182 | 193 | 209 | 233 | 174 | 207 | 268 | 227 | 140 | 212 | 207 |
| 4 | Tetra Pack | Kg | 113 | 76 | 75 | 95 | 77 | 74 | 96 | 64 | 81 | 58 | 46 | 71 | 113 | 91 | 61 | 88 | 86 |
| 5 | Hard Plastic | Kg | 214 | 142 | 193 | 172 | 167 | 149 | 107 | 150 | 186 | 140 | 174 | 153 | 141 | 193 | 131 | 155 | 171 |
| 6 | PET | Kg | 124 | 142 | 118 | 146 | 142 | 149 | 214 | 172 | 174 | 140 | 137 | 161 | 183 | 204 | 131 | 173 | 168 |
| 7 | Mixed Plastic | Kg | 7,295 | 7,459 | 7,086 | 7,495 | 8,611 | 8,255 | 7,340 | 7,516 | 7,098 | 7,910 | 5,590 | 7,474 | 8,723 | 7,804 | 6,026 | 7,518 | 7,590 |
| 8 | Thermocol + Styrofoam | Kg | 56 | 65 | 75 | 76 | 64 | 111 | 53 | 86 | 116 | 93 | 82 | 86 | 85 | 79 | 61 | 75 | 86 |
| 9 | Cloth + Rags + Textiles | Kg | 1,026 | 731 | 923 | 883 | 772 | 1,003 | 995 | 795 | 1,055 | 605 | 769 | 856 | 1,157 | 804 | 638 | 866 | 859 |
| 10 | Leather + Rexine + Rubber | Kg | 981 | 960 | 1,031 | 932 | 901 | 1,114 | 599 | 666 | 649 | 582 | 869 | 769 | 748 | 589 | 585 | 641 | 805 |
| 11 | Paper + Cardboard | Kg | 699 | 742 | 698 | 748 | 888 | 854 | 749 | 655 | 696 | 710 | 576 | 733 | 861 | 736 | 603 | 733 | 759 |
| 12 | Coconut | Kg | 913 | 1,025 | 644 | 902 | 656 | 1,077 | 663 | 913 | 1,090 | 651 | 759 | 830 | 1,059 | 917 | 821 | 932 | 897 |

- # **Note:**
 1 Item No. 9 (Cloth + Rags + Textiles) and 10 (Leather + Rexine + Rubber) are sent to Cement Plants as RDF.
 2 Item No. 11 (Paper + Cardboard) and 12 (Coconut) are used as Bulking Material in Composting.

3 ELECTRICITY GENERATION:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average |
|------------|--|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|----------------|-----------------|
| 3.1 | Biogas Gensets: | | | | | | | | | | | | | | | | | | |
| 1 | Biogas Genset-I: Running Time | hr | 23.45 | 23.65 | 20.95 | 23.21 | 22.25 | 23.15 | 20.95 | 19.25 | 11.15 | 22.00 | 23.25 | 20.29 | 19.80 | 19.90 | 16.65 | 18.78 | 20.67 |
| 2 | Biogas Genset-I: Energy Generation | kW.hr | 3,730 | 3,670 | 3,380 | 3,635.71 | 3,590 | 3,750 | 2,830 | 3,000 | 1,570 | 3,030 | 3,580 | 3,050.00 | 3,260 | 2,350 | 2,370 | 2,660.00 | 3,054.29 |
| 3 | Biogas Genset-II: Running Time | hr | 23.45 | 23.70 | 20.90 | 23.19 | 23.30 | 23.10 | 18.65 | 17.10 | 17.85 | 23.30 | 23.25 | 20.94 | 23.95 | 21.65 | 16.55 | 20.72 | 21.58 |
| 4 | Biogas Genset-II: Energy Generation | kW.hr | 3,810 | 3,900 | 3,440 | 3,764.29 | 3,780 | 3,820 | 2,820 | 2,760 | 2,370 | 3,290 | 3,710 | 3,221.43 | 4,020 | 2,980 | 2,430 | 3,143.33 | 3,375.24 |
| 5 | Total.....(1)+(2)+(3)+(4) | kW.hr | 7,540 | 7,570 | 6,820 | 7,400 | 7,370 | 7,570 | 5,650 | 5,760 | 3,940 | 6,320 | 7,290 | 6,271 | 7,280 | 5,330 | 4,800 | 5,803 | 6,430 |
| 3.2 | Electricity Generation: | | | | | | | | | | | | | | | | | | |
| 1 | As per Tender: Minimum electricity to be generated in the plant shall be 0.4 MW per 100 tons of Input Biodegradable Waste as received in the Facility. | MW/100 MT | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 | Biodegradable Waste | TPD | 49.25 | 45.65 | 45.98 | 48.88 | 55.07 | 51.52 | 44.84 | 42.33 | 49.75 | 48.17 | 40.49 | 47.45 | 55.57 | 50.92 | 35.40 | 47.30 | 48.81 |
| 3 | Electricity Generation = $100 * ((A2 + A1) + (A4 + A3)) \div 1000 \div 18.1$ | kW | 322 | 320 | 326 | 319 | 324 | 327 | 286 | 317 | 274 | 279 | 314 | 303 | 332 | 256 | 289 | 292 | 303 |
| 4 | Electricity Generation | MW/100 MT | 0.65 | 0.70 | 0.71 | 0.66 | 0.59 | 0.64 | 0.64 | 0.75 | 0.55 | 0.58 | 0.77 | 0.64 | 0.60 | 0.50 | 0.82 | 0.65 | 0.63 |

4 BIOGAS FLARE:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average |
|---------|----------------|--------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| 1 | Operation Time | hr/day | 0.000 | 0.000 | 0.000 | 0.02 | 0.000 | 0.000 | 0.000 | 0.000 | 2.617 | 0.533 | 0.000 | 0.45 | 0.000 | 0.000 | 3.267 | 1.09 | 0.78 |

5 EFFLUENT TREATMENT PLANT:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average |
|------------|----------------------------------|---------------------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| 5.1 | Raw Effluent Quality: | | | | | | | | | | | | | | | | | | |
| 1 | Flow | m ³ /day | 74.52 | 86.74 | 75.03 | 80.60 | 71.99 | 65.72 | 63.72 | 75.43 | 59.32 | 79.18 | 55.64 | 67.29 | 76.58 | 74.76 | 58.58 | 69.97 | 73.24 |
| 2 | pH | --- | 7.89 | 6.22 | 7.61 | 7.08 | 7.24 | 6.47 | 6.67 | 6.22 | 6.33 | 6.61 | 6.69 | 6.60 | 6.41 | 6.24 | 7.10 | 6.58 | 6.82 |
| 3 | Biochemical Oxygen Demand (BOD5) | mg/l | 2,069 | 2,000 | 2,015 | 1,997 | 2,101 | 1,671 | 2,428 | 2,269 | 1,820 | 1,551 | 2,451 | 2,042 | 1,937 | 2,197 | 1,534 | 1,889 | 1,987 |
| 4 | Chemical Oxygen Demand (COD) | mg/l | 4,676 | 6,540 | 6,327 | 5,712 | 4,958 | 5,280 | 5,536 | 7,442 | 3,968 | 3,598 | 7,549 | 5,476 | 4,629 | 6,261 | 5,016 | 5,302 | 5,567 |
| 5 | Total Suspended Solids (TSS) | mg/l | 4,448 | 3,920 | 3,043 | 4,153 | 3,614 | 2,857 | 4,225 | 4,878 | 3,403 | 3,009 | 5,539 | 3,932 | 3,603 | 4,833 | 3,114 | 3,850 | 3,982 |
| 6 | Total Dissolve Solids (TDS) | mg/l | 1,494 | 1,617 | 1,688 | 1,601 | 1,306 | 1,556 | 1,756 | 1,350 | 1,507 | 1,360 | 1,742 | 1,511 | 1,474 | 1,661 | 1,459 | 1,531 | 1,529 |

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

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average |
|---------|----------------------------------|------|--------|--------|--------|----------------|--------|--------|--------|--------|--------|--------|--------|----------------|--------|--------|--------|----------------|-----------------|
| 5.2 | Treated Effluent Quality: | | | | | | | | | | | | | | | | | | |
| 1 | pH | --- | 6.80 | 7.08 | 7.45 | 6.94 | 6.59 | 6.72 | 6.99 | 7.33 | 7.14 | 6.84 | 7.00 | 6.94 | 6.79 | 7.21 | 7.40 | 7.13 | 6.97 |
| 2 | Biochemical Oxygen Demand (BOD5) | mg/l | 6 | 9 | 5 | 7 | 6 | 5 | 8 | 8 | 8 | 5 | 9 | 7 | 9 | 9 | 9 | 9 | 7 |
| 3 | Chemical Oxygen Demand (COD) | mg/l | 63 | 75 | 58 | 68 | 56 | 69 | 64 | 59 | 63 | 59 | 66 | 62 | 86 | 63 | 60 | 70 | 66 |
| 4 | Total Suspended Solids (TSS) | mg/l | 7 | 10 | 6 | 8 | 7 | 6 | 9 | 9 | 9 | 6 | 10 | 8 | 10 | 10 | 10 | 10 | 8 |
| 5 | Total Dissolve Solids (TDS) | mg/l | 1,524 | 1,649 | 1,823 | 1,673 | 1,319 | 1,696 | 1,896 | 1,458 | 1,597 | 1,428 | 1,777 | 1,596 | 1,621 | 1,711 | 1,474 | 1,602 | 1,596 |

6 DISPOSAL OF INERT:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | 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 | 112.75 | 109.05 | 107.37 | 114.98 | 128.72 | 123.77 | 106.99 | 107.37 | 115.98 | 116.33 | 91.49 | 112.95 | 141.15 | 113.27 | 87.34 | 113.92 | 115.89 |
| 3 | Inert Fraction | TPD | 0.00 | 0.00 | 1.18 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.21 | 0.00 | 1.39 | 0.00 | 0.46 | 0.69 |
| 4 | % of Total Input Waste.....(3) ÷ (2) | % | 0.00% | 0.00% | 1.10% | 0.16% | 0.00% | 0.00% | 0.00% | 0.00% | 1.26% | 0.00% | 0.00% | 0.18% | 0.00% | 1.23% | 0.00% | 0.41% | 0.58% |

7 HOUSEKEEPING:

| Sr. No. | Description | Unit | 19-Jul | 20-Jul | 21-Jul | Weekly Average | 22-Jul | 23-Jul | 24-Jul | 25-Jul | 26-Jul | 27-Jul | 28-Jul | Weekly Average | 29-Jul | 30-Jul | 31-Jul | Weekly Average | Monthly Average |
|---------|-----------------------|------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|----------|----------|----------------|----------|----------|----------|----------------|-----------------|
| 1 | Hygienic Conditions | --- | 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 |
| 3 | Manpower Deployed | --- | 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 |
| 5 | Treatment Methodology | --- | 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 |