

**Monthly Performance Report
(HWT-NG100-MPR-39-R0)**

**October 2019
(From 01/10/2019 to 31/10/2019)**

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

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

Submitted To
**Goa Waste Management Corporation (GWMC)
Department of Science & Technology (DS&T)**

Table – 1
Summary of Overall Average Results for October 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 143.47 TPD . Quantum of Inert is 1.12 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 0.51 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 1.55 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>7.11</td> </tr> <tr> <td>BOD</td> <td>7 mg/l</td> </tr> <tr> <td>COD</td> <td>71 mg/l</td> </tr> <tr> <td>TSS</td> <td>8 mg/l</td> </tr> <tr> <td>TDS</td> <td>1,617 mg/l</td> </tr> </tbody> </table>	pH	7.11	BOD	7 mg/l	COD	71 mg/l	TSS	8 mg/l	TDS	1,617 mg/l
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TDS	1,617 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: October 2019			
Sr. No.	Content	Month	Signature
1	Input Waste Composition	From 01.10.2019 To 31.10.2019	
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-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct		
1.1 Input Waste:																									
1	Type 1: Dry Waste	TPD	61.60	70.93	80.21	69.82	74.37	53.21	80.59	70.10	50.91%	68.47	81.23	81.15	82.55	74.93	54.32	84.39	75.29	54.65%	73.11	70.87	79.15	77.21	85.84
2	Type 2: Wet Waste	TPD	59.71	63.79	63.44	65.39	65.16	66.27	71.65	65.06	47.24%	71.85	67.58	68.22	62.24	52.87	30.35	48.16	57.32	41.61%	54.13	45.75	42.83	47.50	61.52
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	0.00
4	Type 4: Tree Waste	TPD	2.80	1.14	4.67	2.12	0.47	4.17	2.47	2.55	1.85%	4.48	3.35	3.52	3.56	6.03	5.97	9.24	5.16	3.75%	3.13	5.10	1.30	5.71	8.08
5	Total.....(1)+(2)+(3)+(4)	TPD	124.11	135.86	148.32	137.33	140.00	123.65	154.71	137.71	100.00%	144.80	152.16	152.89	148.35	133.83	90.64	141.79	137.78	100.00%	130.37	121.72	123.28	130.42	155.44

- # 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-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct		
1.2 Output Products:																									
1	Organic Fraction	TPD	57.90	60.72	62.84	65.68	64.07	59.63	71.25	63.16	45.86%	66.89	67.89	68.08	65.96	56.31	37.29	58.09	60.07	43.60%	56.65	47.95	50.19	51.77	64.97
2	Inorganic Fraction:																								
	Recyclables	TPD	8.50	9.50	9.91	10.36	10.99	8.58	10.67	9.79	7.11%	10.69	11.55	10.44	11.16	9.57	6.59	9.40	9.91	7.20%	9.44	8.21	9.59	9.34	10.83
	RDF	TPD	51.43	58.92	69.10	57.02	62.79	48.43	68.02	59.39	43.13%	60.53	65.67	66.98	63.74	60.36	39.61	62.97	59.98	43.53%	59.49	58.83	57.43	61.73	68.07
	Bulking Material	TPD	1.97	2.09	1.80	2.15	1.67	1.71	2.30	1.95	1.42%	1.60	2.10	1.90	2.23	1.56	1.19	1.56	1.73	1.26%	1.65	1.63	1.54	1.87	1.83
	Inert	TPD	1.51	3.49	0.00	0.00	0.00	1.13	0.00	0.88	0.64%	0.61	1.60	1.97	1.70	0.00	0.53	0.92	0.66%	0.00	0.00	3.24	0.00	1.66	
3	Tree Waste	TPD	2.80	1.14	4.67	2.12	0.47	4.17	2.47	2.55	1.85%	4.48	3.35	3.52	3.56	6.03	5.97	9.24	5.16	3.75%	3.13	5.10	1.30	5.71	8.08
	Total.....(1)+(2)+(3)	TPD	124.11	135.86	148.32	137.33	140.00	123.65	154.71	137.71	100.00%	144.80	152.16	152.89	148.35	133.83	90.64	141.79	137.78	100.00%	130.37	121.72	123.28	130.42	155.44

2 RECYCLABLES:																								
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct	
1	Glass	Kg	146	148	158	176	167	179	152	161		210	149	209	145	153	110	160		178	140	146	175	162
2	Aluminum	Kg	97	135	86	122	126	60	137	109		140	119	90	115	76	133	113		89	70	61	62	118
3	Metal	Kg	230	269	230	243	209	239	304	246		239	268	284	290	230	169	246		204	233	195	212	280
4	Tetra Pack	Kg	85	94	129	95	140	96	137	111		84	149	119	116	115	51	106		89	117	98	87	74
5	Hard Plastic	Kg	133	135	230	203	251	131	274	194		140	283	269	203	179	119	199		165	198	207	224	177
6	PET	Kg	170	256	230	270	237	191	228	226		225	164	224	188	192	127	133		204	187	220	224	177
7	Mixed Plastic	Kg	7,545	8,366	8,777	9,181	9,725	7,575	9,302	8,639		9,542	10,342	9,097	9,991	8,486	5,893	8,813		8,423	7,184	8,539	8,268	9,696
8	Thermocol + Styrofoam	Kg	97	94	72	68	140	108	137	102		112	74	149	116	102	42	100		89	82	122	87	147
9	Cloth + Rags + Textiles	Kg	740	849	891	1,190	949	992	1,096	958		856	1,071	1,449	1,100	690	643	928		1,107	886	744	673	1,312
10	Leather + Rexine + Rubber	Kg	983	1,293	1,437	1,176	893	968	929	1,097		1,193	1,235	807	1,361	1,252	720	1,058		1,171	1,166	1,086	923	1,105
11	Paper + Cardboard	Kg	764	835	934	892	851	729	974	854		842	1,042	896	912	856	516	848		840	746	817	773	1,032
12	Coconut	Kg	1,201	1,253	862	1,257	823	980	1,324	1,100		758	1,057	1,001	1,318	703	669	885		814	886	720	1,097	796

- # 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 DISPOSAL OF INERT:																									
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct		
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	121.31	134.72	143.65	135.21	139.53	119.48	152.24	135.16		140.32	148.81	149.37	144.79	127.80	84.67	132.55	132.62		127.24	116.62	121.98	124.71	147.36
3	Inert Fraction	TPD	1.51	3.49	0.00	0.00	0.00	1.13	0.00	0.88		0.61	1.60	1.97	1.70	0.00	0.53	0.92		0.00	0.00	3.24	0.00	1.66	
4	% of Total Input Waste.....(3) ÷ (2)	%	1.24%	2.59%	0.00%	0.00%	0.00%	0.95%	0.00%	0.68%		0.43%	1.08%	1.32%	1.17%	0.00%	0.00%	0.63%		0.00%	0.00%	2.66%	0.00%	1.13%	

4 ELECTRICITY GENERATION:																									
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct		
3.1 Biogas Gensets:																									
1	Biogas Genset-I: Running Time	hr/day	23.75	24.00	23.85	23.90	23.45	22.28	23.57	23.54		23.64	22.85	23.94	22.50	23.60	21.15	24.00	23.10		22.45	23.60	18.30	24.00	24.00
2	Biogas Genset-I: Biogas Consumption	Nm ³ /day	2,225	2,263	2,242	2,083	2,012	2,116	2,334	2,182		2,198	2,137	2,370	2,092	2,120	1,901	2,263	2,155		2,106	2,087	1,625	2,274	2,286
3	Biogas Genset-I: Energy Generation	kW.hr/day	3,570	3,910	3,800	3,390	3,200	3,513	3,944	3,618		3,693	3,500	3,910	3,510	3,450	2,560	3,500	3,446		3,540	3,810	2,330	3,230	3,630
4	Biogas Genset-II: Running Time	hr/day	23.65	24.05	23.80	23.90	23.75	20.01	20.69	22.84		22.67	22.80	19.94	22.45	24.00	21.10	24.00	22.42		22.45	23.55	18.25	23.85	24.00
5	Biogas Genset-II: Biogas Consumption	Nm ³ /day	2,067	2,103	2,090	1,972	1,930	1,921	2,049	2,019		2,222	1,983	1,834	1,934	2,014	1,765	2,102	1,979		1,951	1,976	1,498	2,100	2,102
6	Biogas Genset-II: Energy Generation	kW.hr/day	3,530	3,880	3,760	3,450	3,330	3,227	3,421	3,514		3,577	3,450	3,045	3,460	3,510	2,480	3,430	3,279		3,490	3,910	2,240	3,090	3,550
7	Total Biogas Consumption = (2)+(5)	Nm ³ /day	4,292	4,366	4,332	4,055	3,942	4,037	4,382	4,201		4,420	4,121	4,204	4,026	4,134	3,666	4,366	4,134		4,057	4,062	3,123	4,374	4,388
8	Total Energy Generation = (3)+(6)	kW.hr/day	7,100	7,790	7,560	6,840	6,530	6,740	7,365	7,132		7,270	6,950	6,955	6,970	6,960	5,040	6,930	6,725		7,030	7,720	4,570	6,320	7,180

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

Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
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	0.40
2	Biodegradable Waste = 1.2.2	TPD	59.71	63.79	63.44	65.39	65.16	66.27	71.65	65.06	71.85	67.58	68.22	62.24	52.87	30.35	48.16	57.32	54.13	45.75	42.83	47.50	61.52
3	Guaranteed Electricity Generation = (3.2.2 x 3.2.1) ÷ 100	kW	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.21	0.12	0.19	0.21	0.22	0.18	0.17	0.19	0.24
4	Guaranteed Electricity Generation = 3.2.3 x 24 x 1000	kW.hr/day	5,732	5,760	5,760	5,760	5,760	5,760	5,760	5,756	5,760	5,760	5,760	5,760	5,076	2,914	4,623	5,093	5,196	4,392	4,112	4,560	5,760
5	Available Electricity Generation = (A2 ÷ 24) + (A4 ÷ 24)	kW	296	325	315	285	272	281	307	297	303	290	290	290	290	210	289	280	293	322	190	263	299
6	Available Electricity Generation = 3.2.5 ÷ 100	MW/100 MT	0.50	0.54	0.53	0.48	0.45	0.47	0.51	0.50	0.50	0.48	0.48	0.48	0.55	0.69	0.60	0.54	0.54	0.70	0.44	0.55	0.50

5 BIOGAS FLARE:																							
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
1	Operation Time	hr/day	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.18	3.05	0.20	1.68	1.07	0.40
2	Biogas Flared	Nm ³ /day	11	0	0	0	0	0	0	2	0	0	0	0	0	0	277	40	686	45	379	240	90

6 DIGESTERS:																							
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
5.1 Digester-I: Front End																							
1.00	pH	---	8.00	8.07	8.02	8.04		8.02	8.01	8.03	8.03	8.02	7.96	8.04	8.01	8.03	8.11	8.03	7.98	7.90	7.98	7.97	
2	TSS	ppm	47,606	48,097	47,150	47,908		47,549	49,080	47,898	45,248	49,319	48,216	48,573	46,026		48,287	47,612	46,331	43,515	42,880	39,332	
3	VSS	ppm	30,954	32,286	31,498	32,746		31,515	33,692	32,115	29,897	24,724	32,852	32,682	27,976		32,781	30,152	30,922	29,010	22,271	23,767	
4	Total Alkalinity	ppm as CaCO ₃	10,225	10,100	10,200	10,000		11,500	10,750	10,463	18,850	10,325	10,425	10,800	10,250		10,725	11,775	9,475	9,175	9,550	9,325	
5	VFA	ppm as HAC	2,322	2,415	2,581	2,083		1,834	2,083	2,220	2,249	2,332	2,415	2,498	2,249		2,166	2,332	2,332	1,917	2,083	2,083	
5.2 Digester-I: Back End																							
1.00	pH	---	8.06	8.12	8.06	8.08		8.08	8.06	8.08	8.10	8.07	7.98	7.98	8.09		8.10	8.09	7.99	7.94	8.04	7.98	
2	TSS	ppm	47,437	46,330	47,816	45,000		46,500	47,619	46,784	47,320	47,479	48,644	46,590	44,518		45,298	46,642	48,417	42,662	41,292	39,582	
3	VSS	ppm	33,795	30,740	31,240	29,049		30,197	31,149	31,028	31,233	31,492	32,487	30,505	28,138		29,480	30,556	31,962	27,894	24,978	23,655	
4	Total Alkalinity	ppm as CaCO ₃	10,350	10,350	10,375	10,225		11,675	10,925	10,650	11,075	10,725	10,875	11,025	10,675		11,150	10,968	9,600	9,250	9,750	9,575	
5	VFA	ppm as HAC	2,166	2,083	2,332	1,751		1,668	2,000	2,000	2,166	2,000	2,249	2,166	1,917		2,000	2,107	2,083	1,834	1,917	2,083	
5.3 Buffer Tank: Front End																							
1.00	pH	---																		7.96	7.97	7.98	8.03
2	TSS	ppm																		34,314	34,093	37,697	41,040
3	VSS	ppm																		18,942	22,162	24,311	28,916
4	Total Alkalinity	ppm as CaCO ₃																		8,500	8,825	9,175	9,425
5	VFA	ppm as HAC																		1,917	1,253	1,336	1,170
5.4 Buffer Tank: Back End																							
1.00	pH	---																		7.91	7.94	7.96	7.96
2	TSS	ppm																		34,955	33,713	38,257	34,256
3	VSS	ppm																		24,259	21,855	27,872	21,699
4	Total Alkalinity	ppm as CaCO ₃																		8,175	8,650	9,050	9,175
5	VFA	ppm as HAC																		2,083	1,253	1,253	1,336
5.5 Digester-II: Front End																							
1.00	pH	---	7.38	7.53	7.36	7.46		7.53	7.48	7.46	7.41	7.40	7.20	7.40	7.41	7.47	7.58	7.41	7.49	7.34	7.34	7.33	
2	TSS	ppm	55,567	55,584	58,302	52,917		52,406	53,285	54,677	55,210	51,073	55,715	56,230	51,736		51,083	53,508	63,601	46,015	55,547	45,011	
3	VSS	ppm	38,361	40,058	41,029	37,570		35,872	38,108	38,500	39,028	36,119	39,672	40,505	34,788		36,618	37,788	47,388	31,792	38,990	30,517	
4	Total Alkalinity	ppm as CaCO ₃	7,050	7,400	7,075	7,575		8,375	8,600	7,679	7,700	7,725	7,000	7,725	7,350		7,775	7,671	7,325	7,150	7,000	6,850	
5	VFA	ppm as HAC	6,316	6,316	6,233	5,984		5,320	5,154	5,887	5,735	5,901	6,731	5,901	5,901		5,735	5,948	5,569	4,573	5,486	5,901	
5.6 Digester-II: Back End																							
1.00	pH	---	7.41	7.48	7.45	7.53		7.52	7.57	7.49	7.49	7.47	7.28	7.46	7.46	7.51	7.60	7.47	7.57	7.42	7.40	7.40	
2	TSS	ppm	57,030	53,832	56,332	53,500		52,031	54,742	54,578	51,280	51,412	52,107	50,974	49,721		48,685	50,697	59,445	49,357	54,831	45,274	
3	VSS	ppm	31,728	37,611	38,673	36,520		35,580	36,570	36,114	35,813	35,916	35,941	35,863	34,118		33,957	35,268	43,252	34,662	38,308	31,075	
4	Total Alkalinity	ppm as CaCO ₃	7,150	7,675	7,350	7,750		8,575	8,750	7,875	7,875	8,050	7,225	8,100	7,500		8,375	7,989	7,600	7,350	7,175	7,050	
5	VFA	ppm as HAC	6,233	5,984	6,067	5,652		5,071	4,988	5,666	5,486	5,652	6,399	5,403	5,735		5,486	5,652	5,237	4,075	5,280	5,486	

7 EFFLUENT TREATMENT PLANT:																							
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
6.1 Raw Effluent Quality:																							
1	Flow	m ³ /day	77.09	79.10	79.23	81.00	77.69	77.37	70.64	77.45	60.72	50.26	72.76	65.38	77.81	72.69	37.32	62.42	21.62	54.31	56.50	61.97	38.80
2	pH	---	7.47	6.79	7.32	7.40	7.69	6.29	7.55	7.22	7.88	6.58	6.68	7.33	7.76	6.12	7.10	7.06	6.55	7.73	7.24	7.92	7.15
3	Biochemical Oxygen Demand (BOD ₅)	mg/l	1,713	1,977	1,801	1,619	2,210	1,648	2,268	1,891	1,967	1,539	2,468	1,700	1,564	2,254	1,692	1,883	2,025	1,880	2,424	1,774	1,711
4	Chemical Oxygen Demand (COD)	mg/l	4,026	6,860	5,403	5,488	5,415	5,340	7,847	5,768	5,272	5,263	6,664	5,015	4,645	6,401	5,871	5,590	6,986	4,155	4,872	5,570	5,270
5	Total Suspended Solids (TSS)	mg/l	4,231	3,262	3,260	3,254	4,729	2,818	3,674	3,604	4,308	2,539	5,430	3,672	3,065	4,711	2,843	3,795	3,503	3,572	4,509	3,175	3,080
6	Total Dissolve Solids (TDS)	mg/l	1,761	1,772	1,799	1,564	1,444	1,457	1,552	1,621	1,644	1,536	1,351	1,685	1,508	1,492	1,427	1,520	1,569	1,428	1,568	1,700	1,374

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

Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
6.2 Treated Effluent Quality:																							
1	pH	---	7.13	7.12	7.09	6.60	7.06	6.89	7.17	7.01	7.01	7.22	7.27	6.75	6.93	6.92	6.91	7.00	6.96	7.07	6.70	6.98	7.46
2	Biochemical Oxygen Demand (BOD5)	mg/l	7	5	8	5	7	7	5	6	6	9	6	9	8	6	6	7	9	5	8	8	7
3	Chemical Oxygen Demand (COD)	mg/l	90	73	86	72	85	74	76	79	53	76	59	89	58	88	53	68	58	57	65	65	53
4	Total Suspended Solids (TSS)	mg/l	8	6	9	6	8	8	6	7	7	10	7	10	9	7	7	8	10	6	9	9	8
5	Total Dissolve Solids (TDS)	mg/l	1,761	1,843	1,925	1,705	1,560	1,486	1,583	1,695	1,710	1,536	1,392	1,786	1,568	1,552	1,470	1,573	1,726	1,557	1,646	1,870	1,470

8 HOUSEKEEPING:																							
Sr. No.	Description	Unit	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	Weekly Average	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	Weekly Average	15-Oct	16-Oct	17-Oct	18-Oct	19-Oct
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

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

1 WASTE:																						
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average				
1.1 Input Waste:																						
1	Type 1: Dry Waste	TPD	63.59	85.86	76.52	55.42%	74.23	73.91	59.29	80.84	78.28	67.72	86.07	74.33	52.55%	81.71	96.76	82.21	86.89	53.53%	76.63	53.41%
2	Type 2: Wet Waste	TPD	67.19	64.33	54.75	39.65%	68.22	55.74	66.51	58.01	75.03	56.12	58.90	62.65	44.29%	72.17	63.72	70.64	68.84	42.41%	61.72	43.04%
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%
4	Type 4: Tree Waste	TPD	14.39	9.96	6.81	4.93%	5.43	5.60	10.27	1.35	2.05	1.34	5.26	4.47	3.16%	11.67	5.71	2.40	6.59	4.06%	5.12	3.55%
5	Total.....(1)+(2)+(3)+(4)	TPD	145.17	160.15	138.08	100.00%	147.88	135.25	136.07	140.20	155.36	125.18	150.23	141.45	100.00%	165.55	166.19	155.25	162.33	100.00%	143.47	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	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average				
1.2 Output Products:																						
1	Organic Fraction	TPD	64.89	67.85	57.75	41.83%	66.46	56.21	61.39	59.54	72.72	57.90	61.90	62.30	44.04%	73.08	72.61	71.64	72.44	44.63%	63.15	43.99%
2	Inorganic Fraction:																					
	Recyclables	TPD	9.98	10.42	9.69	7.02%	10.77	9.83	9.10	9.72	10.69	8.58	10.86	9.93	7.02%	11.49	11.11	10.96	11.19	6.89%	10.10	7.05%
	RDF	TPD	52.20	70.16	61.13	44.27%	62.94	62.02	52.46	67.30	64.69	55.81	69.92	62.16	43.95%	63.88	72.83	66.33	67.68	41.69%	62.07	43.31%
	Bulking Material	TPD	1.96	1.76	1.75	1.27%	2.28	1.59	1.46	2.29	2.28	1.55	2.29	1.96	1.39%	2.22	2.23	2.12	2.19	1.35%	1.92	1.34%
	Inert	TPD	1.75	0.00	0.95	0.69%	0.00	0.00	1.40	0.00	2.93	0.00	0.00	0.62	0.44%	3.21	1.70	1.80	2.24	1.38%	1.12	0.76%
3	Tree Waste	TPD	14.39	9.96	6.81	4.93%	5.43	5.60	10.27	1.35	2.05	1.34	5.26	4.47	3.16%	11.67	5.71	2.40	6.59	4.06%	5.12	3.55%
	Total.....(1)+(2)+(3)	TPD	145.17	160.15	138.08	100.00%	147.88	135.25	136.07	140.20	155.36	125.18	150.23	141.45	100.00%	165.55	166.19	155.25	162.33	100.00%	143.47	100.00%

2 RECYCLABLES:																					
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average			
1	Glass	Kg	131	225	165		185	156	126	167	230	186	203	179		215	160	229	201		173
2	Aluminum	Kg	105	90	85		100	104	113	125	153	62	87	106		123	112	76	104		103
3	Metal	Kg	196	240	223		271	233	252	264	307	248	275	264		246	321	290	286		253
4	Tetra Pack	Kg	118	75	94		85	65	113	69	153	62	87	91		108	160	153	140		108
5	Hard Plastic	Kg	196	270	205		214	194	138	222	169	235	261	205		246	257	229	244		209
6	PET	Kg	144	180	191		157	156	201	278	215	235	188	204		215	225	260	233		207
7	Mixed Plastic	Kg	9,024	9,267	8,629		9,672	8,855	8,076	8,498	9,367	7,468	9,669	8,801		10,264	9,789	9,614	9,889		8,954
8	Thermocol + Styrofoam	Kg	65	75	95		85	65	75	97	92	87	87	84		77	80	107	88		94
9	Cloth + Rags + Textiles	Kg	1,177	1,006	986		812	1,271	1,170	1,097	1,318	1,077	1,435	1,169		1,123	1,444	917	1,161		1,047
10	Leather + Rexine + Rubber	Kg	1,242	931	1,089		1,197	674	704	1,152	797	1,214	1,334	1,010		1,523	1,380	825	1,243		1,099
11	Paper + Cardboard	Kg	889	991	870		912	817	830	958	1,012	842	971	906		1,000	1,011	1,009	1,007		897
12	Coconut	Kg	1,072	766	879		1,368	778	629	1,333	1,272	706	1,319	1,058		1,216	1,220	1,116	1,184		1,021

- # **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 DISPOSAL OF INERT:																					
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	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	130.78	150.19	131.27		142.45	129.65	125.80	138.85	153.31	123.84	144.97	136.98		153.88	160.48	152.85	155.74		138.35
3	Inert Fraction	TPD	1.75	0.00	0.95		0.00	0.00	1.40	0.00	2.93	0.00	0.00	0.62		3.21	1.70	1.80	2.24		1.12
4	% of Total Input Waste.....(3) ÷ (2)	%	1.34%	0.00%	0.73%		0.00%	0.00%	1.11%	0.00%	1.91%	0.00%	0.00%	0.43%		2.09%	1.06%	1.18%	1.44%		0.78%

4 ELECTRICITY GENERATION:																					
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average			
3.1 Biogas Gensets:																					
1	Biogas Genset-I: Running Time	hr/day	19.41	21.20	21.85		23.75	23.95	23.75	23.11	23.77	23.80	24.00	23.73		23.99	21.97	23.21	23.06		23.06
2	Biogas Genset-I: Biogas Consumption	Nm ³ /day	1,922	1,971	2,039		2,242	2,318	2,292	2,288	2,258	2,304	2,340	2,292		2,375	2,043	2,112	2,177		2,169
3	Biogas Genset-I: Energy Generation	kW.hr/day	3,229	3,174	3,278		3,640	3,500	3,440	3,866	3,793	3,410	3,740	3,627.00		3,943	3,412	3,485	3,613		3,516
4	Biogas Genset-II: Running Time	hr/day	23.57	21.62	22.47		23.70	24.00	23.65	13.87	23.00	23.80	24.00	22.29		23.63	19.97	23.58	22.39		22.48
5	Biogas Genset-II: Biogas Consumption	Nm ³ /day	2,239	2,097	1,995		2,072	2,127	2,102	1,290	2,231	2,119	2,153	2,013		2,340	1,937	2,287	2,188		2,039
6	Biogas Genset-II: Energy Generation	kW.hr/day	3,695	3,376	3,336		3,560	3,420	3,350	2,103	3,636	3,310	3,690	3,296		3,954	3,138	3,774	3,622		3,409
7	Total Biogas Consumption = (2)+(5)	Nm ³ /day	4,161	4,068	4,033		4,314	4,445	4,394	3,578	4,488	4,423	4,493	4,305		4,715	3,980	4,399	4,365		4,208
8	Total Energy Generation = (3)+(6)	kW.hr/day	6,924	6,550	6,613		7,200	6,920	6,790	5,969	7,429	6,720	7,430	6,923		7,897	6,550	7,259	7,235		6,926

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

Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average	
3.2 Electricity Generation:																			
1	<u>As per Tender:</u> 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 = 1.2.2	TPD	67.19	64.33	54.75	68.22	55.74	66.51	58.01	75.03	56.12	58.90	62.65	72.17	63.72	70.64	64.03	60.76	60.76
3	Guaranteed Electricity Generation = (3.2.2 x 3.2.1) ÷ 100	kW	0.24	0.24	0.21	0.24	0.22	0.24	0.23	0.24	0.22	0.24	0.23	0.24	0.24	0.24	0.24	0.24	0.23
4	Guaranteed Electricity Generation = 3.2.3 x 24 x 1000	kW.hr/day	5,760	5,760	5,077	5,760	5,351	5,760	5,569	5,760	5,388	5,654	5,606	5,760	5,760	5,760	5,655	5,437	5,437
5	Available Electricity Generation = (A2 ÷ 24) + (A4 ÷ 24)	kW	289	273	276	300	288	283	249	310	280	310	288	329	273	302	297	288	288
6	Available Electricity Generation = 3.2.5 ÷ 100	MW/100 MT	0.48	0.45	0.53	0.50	0.52	0.47	0.43	0.52	0.50	0.53	0.49	0.55	0.45	0.50	0.50	0.51	0.51

5 BIOGAS FLARE:																		
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average
1	Operation Time	hr/day	3.37	3.13	1.84	3.00	3.03	11.87	0.23	0.02	0.92	0.78	2.84	0.97	3.15	4.57	2.89	1.55
2	Biogas Flared	Nm ³ /day	758	705	415	675	682	2,670	52	4	206	176	638	218	709	1,028	651.30	349.04

6 DIGESTERS:																		
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average
5.1 Digester-I: Front End																		
1.00	pH	---	7.94	8.07	7.97	8.04	8.04	8.06	8.04	8.07	7.93	8.03	7.96	7.96	8.00	7.98	8.01	8.01
2	TSS	ppm		38,631	42,138	38,745		38,185	36,850	36,850	37,855	37,855	37,697	35,315	38,257	37,281	42,525	42,525
3	VSS	ppm		24,951	26,184	24,951		24,749	23,687	23,658	24,685	24,685	24,497	24,897	24,412	24,623	27,514	27,514
4	Total Alkalinity	ppm as CaCO ₃	9,350	9,450	9,388	9,325	9,100	9,425	9,050	9,300	8,950	9,192	9,050	8,950	8,750	8,978	9,959	9,959
5	VFA	ppm as HAC	1,834	1,751	2,000	1,502	1,419	1,502	1,336	1,419	1,668	1,474	1,585	1,834	1,585	1,629	1,931	1,931
5.2 Digester-I: Back End																		
1.00	pH	---	7.96	8.10	8.00	8.07	8.06	8.07	8.07	8.01	7.99	8.05	7.93	7.93	8.03	7.99	8.03	8.03
2	TSS	ppm		39,680	42,327	40,139		37,353	36,951	36,945	36,427	37,563	37,563	37,546	36,629	37,041	42,071	42,071
3	VSS	ppm		23,690	26,436	27,152		24,537	23,482	23,475	23,485	24,426	24,159	23,394		23,866	27,262	27,262
4	Total Alkalinity	ppm as CaCO ₃	9,550	9,250	9,496	9,175	9,175	9,225	9,250	9,075	9,150	9,175	8,925	9,075	8,925	9,050	9,868	9,868
5	VFA	ppm as HAC	1,668	1,502	1,848	1,502	1,336	1,585	1,336	1,585	1,668	1,502	1,751	1,751	1,419	1,618	1,815	1,815
5.3 Buffer Tank: Front End																		
1.00	pH	---	7.95	8.04	7.99	8.11	8.03	8.03	8.04	7.99	8.00	8.03	7.94	7.97	7.92	7.97	8.00	8.00
2	TSS	ppm		35,412	36,511	35,455		37,262	36,093	36,452	35,633	36,179	35,231	35,511		35,639	36,110	36,110
3	VSS	ppm		23,124	23,491	24,078		25,155	23,955	23,855	22,510	23,911	22,657	22,792		22,967	23,456	23,456
4	Total Alkalinity	ppm as CaCO ₃	9,075	9,225	9,038	9,250	9,350	9,325	9,175	9,150	9,125	9,229	8,850	8,975	8,850	9,006	9,091	9,091
5	VFA	ppm as HAC	1,585	1,585	1,474	1,585	1,585	1,668	1,502	1,502	1,419	1,544	1,834	1,834	1,502	1,627	1,548	1,548
5.4 Buffer Tank: Back End																		
1.00	pH	---	7.98	8.10	7.98	8.04	8.10	8.11	8.08	8.03	7.96	8.05	7.89	7.89	7.96	7.95	7.99	7.99
2	TSS	ppm		34,371	35,110	38,243		37,180	36,030	36,145	36,889	36,897	36,489	36,215		36,623	36,210	36,210
3	VSS	ppm		22,213	23,580	26,897		25,596	24,143	24,568	23,419	24,925	23,819	23,876		24,010	24,171	24,171
4	Total Alkalinity	ppm as CaCO ₃	9,450	9,075	8,929	9,100	9,500	9,225	8,975	9,250	9,450	9,250	8,700	8,700	8,675	8,955	9,045	9,045
5	VFA	ppm as HAC	1,502	1,502	1,488	1,419	1,419	1,485	1,336	1,585	1,585	1,472	1,585	1,585	1,336	1,513	1,491	1,491
5.5 Digester-II: Front End																		
1.00	pH	---	7.22	7.18	7.32	7.22	7.39	7.12	7.43	7.47	7.28	7.32	7.19	7.16	7.04	7.20	7.34	7.34
2	TSS	ppm		48,910	51,817	45,813		43,572	43,197	44,875	46,233	44,738	44,312	41,590		44,218	49,792	49,792
3	VSS	ppm		31,076	35,953	33,744		30,498	30,562	30,295	31,244	31,269	30,437	28,300		30,312	34,764	34,764
4	Total Alkalinity	ppm as CaCO ₃	6,025	5,700	6,675	5,725	6,200	5,425	6,175	6,100	5,825	5,908	5,825	5,250	4,800	5,522	6,691	6,691
5	VFA	ppm as HAC	1,502	6,316	4,891	5,818	5,652	5,984	5,652	5,735	5,818	5,777	6,067	6,067	6,150	5,976	5,696	5,696
5.6 Digester-II: Back End																		
1.00	pH	---	7.29	7.25	7.39	7.32	7.50	7.19	7.36	7.40	7.32	7.35	7.26	7.19	7.10	7.24	7.39	7.39
2	TSS	ppm		43,076	50,397	45,223		43,297	43,412	43,957	45,741	44,326	45,175	41,030		44,068	48,813	48,813
3	VSS	ppm		29,961	35,452	32,342		30,704	30,276	30,471	30,286	30,816	29,643	28,004		29,687	33,467	33,467
4	Total Alkalinity	ppm as CaCO ₃	6,225	5,800	6,867	6,000	6,300	5,550	6,050	6,000	6,175	6,013	5,725	5,575	5,000	5,698	6,888	6,888
5	VFA	ppm as HAC	5,735	6,316	5,355	5,486	5,237	5,735	5,320	5,735	5,486	5,500	5,901	5,818	5,901	5,721	5,579	5,579

7 EFFLUENT TREATMENT PLANT:																		
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average
6.1 Raw Effluent Quality:																		
1	Flow	m ³ /day	69.38	62.83	52.20	68.79	67.07	54.09	51.50	52.81	66.00	71.05	61.62	67.44	67.92	84.74	73.37	65.41
2	pH	---	7.77	6.97	7.33	6.37	7.60	7.80	7.13	7.72	7.34	6.20	7.17	7.65	6.83	7.56	7.35	7.23
3	Biochemical Oxygen Demand (BOD ₅)	mg/l	2,453	2,247	2,073	2,096	1,826	2,138	2,072	2,076	1,819	2,271	2,043	1,761	1,842	1,818	1,807	1,939
4	Chemical Oxygen Demand (COD)	mg/l	6,083	4,921	5,408	6,749	3,962	7,013	6,071	4,339	5,584	6,927	5,806	4,966	5,029	6,018	5,338	5,582
5	Total Suspended Solids (TSS)	mg/l	4,587	4,022	3,778	3,668	2,976	3,570	3,875	4,879	4,529	3,724	3,889	2,853	4,384	3,054	3,430	3,699
6	Total Dissolve Solids (TDS)	mg/l	1,715	1,723	1,582	1,497	1,473	1,318	1,436	1,437	1,552	1,637	1,479	1,525	1,616	1,378	1,506	1,542

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

Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly Average
6.2 Treated Effluent Quality:																		
1	pH	---	7.26	6.91	7.05	7.47	7.48	7.39	7.48	6.55	6.78	7.28	7.20	7.44	7.11	7.25	7.27	7.11
2	Biochemical Oxygen Demand (BOD5)	mg/l	5	6	7	5	5	8	7	7	7	7	7	8	8	5	7	7
3	Chemical Oxygen Demand (COD)	mg/l	54	83	62	75	70	81	61	70	74	57	70	71	87	74	77	71
4	Total Suspended Solids (TSS)	mg/l	6	7	8	6	6	9	8	8	8	8	8	9	9	6	8	8
5	Total Dissolve Solids (TDS)	mg/l	1,715	1,723	1,672	1,602	1,576	1,384	1,537	1,538	1,614	1,801	1,579	1,556	1,632	1,516	1,568	1,617

8 HOUSEKEEPING:																		
Sr. No.	Description	Unit	20-Oct	21-Oct	Weekly Average	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	Weekly Average	29-Oct	30-Oct	31-Oct	Weekly Average	Monthly 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