



**SAMARTHAA
BHARAT
VYASPEETH**



UNITED WAY
Mumbai

MAHIM RETI BUNDER & MAHIM CAUSEWAY BEACH



June
2025
Report

PRESENT STATUS

The growing urbanization in Mumbai, which is the economic capital of India, has had adverse effects on the sea, creeks, forests, rivers, and other forms of biodiversity. Due to the massive increase in population along the coastline and creeks of Mumbai, both of these elements have started to become polluted. Several non-biodegradable substances have primarily contributed to this water pollution. Against this backdrop, it has become crucial to responsibly use such non-biodegradable materials and ensure their proper disposal. And hence there is a priority need to collect, classify and scientifically dispose of the non-degradable materials floating on the shores of Mahim Retibandar and causeway.



MEASURES



Samarth Bharat Vyaspeeth, Samarth Bharat Vyaspeeth is section 8 company Non-Profit Organization working in field of waste management and education for underprivileged street children, and SBV is engaged in the collection and disposal/recycling of plastic waste.

UNITED WAY MUMBAI, a non-government organization which is a society registered under the Society Registration Act, 1860 and a trust registered the Maharashtra Public Trusts Act, 1950



To prevent water pollution, both the social organizations United Way Mumbai and Samarth Bharat Vyaspeeth, have come together and formulated an action program to implement the Beach Cleanliness Mission. Under this initiative, every day, through 8 safai sathis, a minimum of 7 hours is dedicated to collecting non-biodegradable materials from the coastline. Afterward, these materials are sorted at the waste management center under Samarth Bharat Vyaspeeth Project Revitalisation, where they are disposed of in a scientifically appropriate manner.



ACTION

Mahim Retibandar and Causeway are adjacent to each other and connected, covering a total area of approximately 4 kilometers. Based on the timing of the tides, it has been observed that collection activities take place at different times of the day at both locations. Accordingly, the collection campaign is carried out at Mahim Sandbar from 8 AM to 1 PM, and at Causeway from 2 PM to 4:30 PM. Collection is done every day of the week. During the collection process, different types of waste are gathered and sorted. Items like plastic bags, packaging plastics, cartons, glass, hard plastics, cloth, and other materials are collected. Afterward, the collected waste is sent daily to the waste management center under Samarth Bharat Vyaspeeth's Project on Revitalisation.



PROCESS



Once the waste reaches the waste management center under Samarth Bharat Vyaspeeth project Revitalisation, it is first spread out in the designated area for sundrying. This process typically lasts for about three to four days to allow the moisture to evaporate. Every morning and afternoon, the waste is turned over to ensure that the moisture in every part of the waste is effectively removed during sundrying.

After the waste has dried, it is sorted into different categories, such as single-use plastics, multilayer plastics, hard plastics, glass, and non-recyclable waste. The single-use plastics and multilayer plastics are processed in a dust remover machine to remove any sand or other debris. The cleaned plastics are then sent to the baling machine, where they are compacted into bales and sent for recycling.

Hard plastics and glass are manually cleaned by staff using cleaning brushes to remove any attached sand, and then they are placed in separate bags and sent for recycling. Non-recyclable waste is sent to the municipal processing center for appropriate disposal.





YOGA DAY CELEBRATION

"ON JUNE 21ST, TO MARK THE OCCASION OF INTERNATIONAL YOGA DAY, A YOGA SESSION WAS ORGANIZED AT MAHIM BEACH BEFORE WORK. ALL EMPLOYEES ACTIVELY PARTICIPATED IN THE SESSION."



United way Mumbai & Samarth Bharat Vyaspeeth Beach cleanup drive

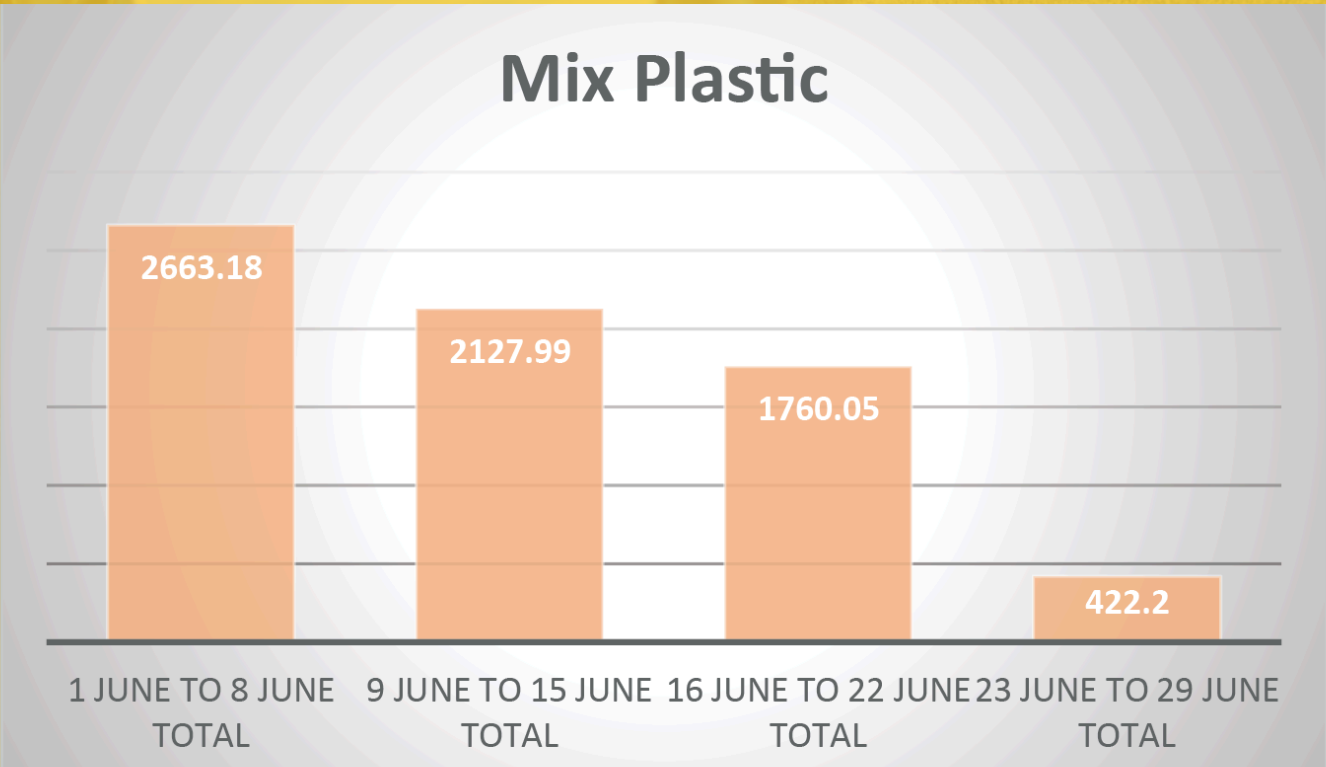
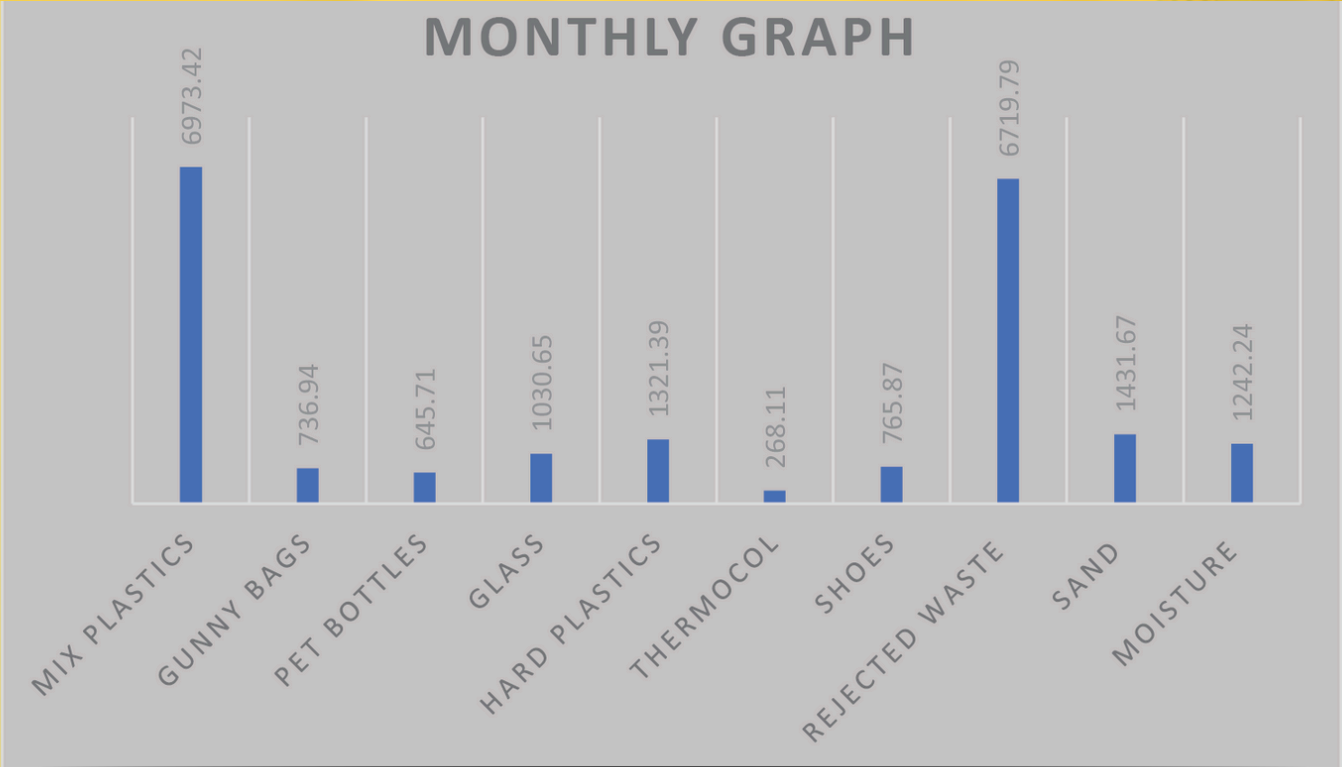


Sr. No	Date	Day	Designation	In time	Out time	Total Segregatio n Waste	Mix Plastics	Gunny Bags	Pet Bottles	Glass	Hard Plastics	Thermocol	Shoes	Rejected Waste	Sand	Moisture
1	1 June 2025	Sunday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	152.2										
2	1 June 2025	Sunday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	886.13										
3	2 June 2025	Monday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	151.06										
4	2 June 2025	Monday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	875.01										
5	3 June 2025	Tuesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	153.8										
6	3 June 2025	Tuesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	882.3										
7	4 June 2025	Wednesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	89.4										
8	4 June 2025	Wednesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	887.15										
9	5 June 2025	Thrusday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	124.0										
10	5 June 2025	Thrusday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	675.2										
11	6 June 2025	Friday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	143.23										
12	06 June 2025	Friday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	879.5										
14	7 June 2025	Saturday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	151.2										
15	7 June 2025	Saturday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	884.13										
16	8 June 2025	Sunday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	122.06										
17	8 June 2025	Sunday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	776.52										
1 June to 8 June total						7832.89	2663.18	234.98	156.6	313.31	469.9	78.32	391.64	2349.8	626.63	548.53
18	9 June 2025	Monday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	128.1										
	9 June 2025	Monday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	783.23										
19	10 June 2025	Tuesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	129.4										
20	10 June 2025	Tuesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	807.16										
22	11 June 2025	Wednesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	131.2										
23	11 June 2025	Wednesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	826.6										
24	12 June 2025	Thrusday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	145.07										
25	12 June 2025	Thrusday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	890.12										
26	13 June 2025	Friday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	78.45										
27	13 June 2025	Friday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	821.39										
28	14 June 2025	Saturday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	106.21										
29	14 June 2025	Saturday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	786.35										
30	15 June 2025	Sunday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	120.31										
31	15 June 2025	Sunday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	896.35										
9 June to 15 June Total						6649.97	2127.99	265.99	199.49	332.49	398.99	66.49	132.9	2327.48	465.49	332.66
32	16 June 2025	Monday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	145.36										
33	16 June 2025	Monday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	789.03										
34	17 June 2025	Tuesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	152.1										
35	17 June 2025	Tuesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	806.16										
36	18 June 2025	Wednesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	151.3										
37	18 June 2025	Wednesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	812.05										
38	19 June 2025	Thrusday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	107.12										
39	19 June 2025	Thrusday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	532.4										
40	20 June 2025	Friday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	112.15										
41	20 June 2025	Friday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	490.08										
42	21 June 2025	Saturday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	124.2										
43	21 June 2025	Saturday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	506.01										
44	22 June 2025	Sunday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	119.4										
45	22 June 2025	Sunday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	486.13										
16 June to 22 June Total						5333.49	1760.05	170	256.12	320.06	373.34	106.6	213.34	1646.71	220.8	266.47
46	23 June 2025	Monday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	111.63										
47	23 June 2025	Monday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	96.83										
48	24 June 2025	Tuesday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	78.02										
49	24 June 2025	Tuesday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	91.63										
50	25 June 2025	Wednesday	Supervisor + 5 Safai Doot	8:00 AM	4:00 PM	78.29										
51	25 June 2025	Wednesday	Supervisor + 10 Safai Doot	8:00 AM	4:00 PM	56.06										
52	26 June 2025	Thrusday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	89.42										
53	26 June 2025	Thrusday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	67.34										
54	27 June 2025	Friday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	56.14										
55	27 June 2025	Friday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	73.65										
56	28 June 2025	Saturday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	89.42										
57	28 June 2025	Saturday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	39.98										
58	29 June 2025	Sunday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	78.41										
59	29 June 2025	Sunday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	112.96										
61	30 June 2025	Monday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	121.32										
60	30 June 2025	Monday	Supervisor + 4 Safai Doot	8:00 AM	4:00 PM	78.34										
23 June to 29 June Total						1319.44	422.2	65.97	33.5	64.79	79.16	16.7	27.99	395.8	118.75	94.58



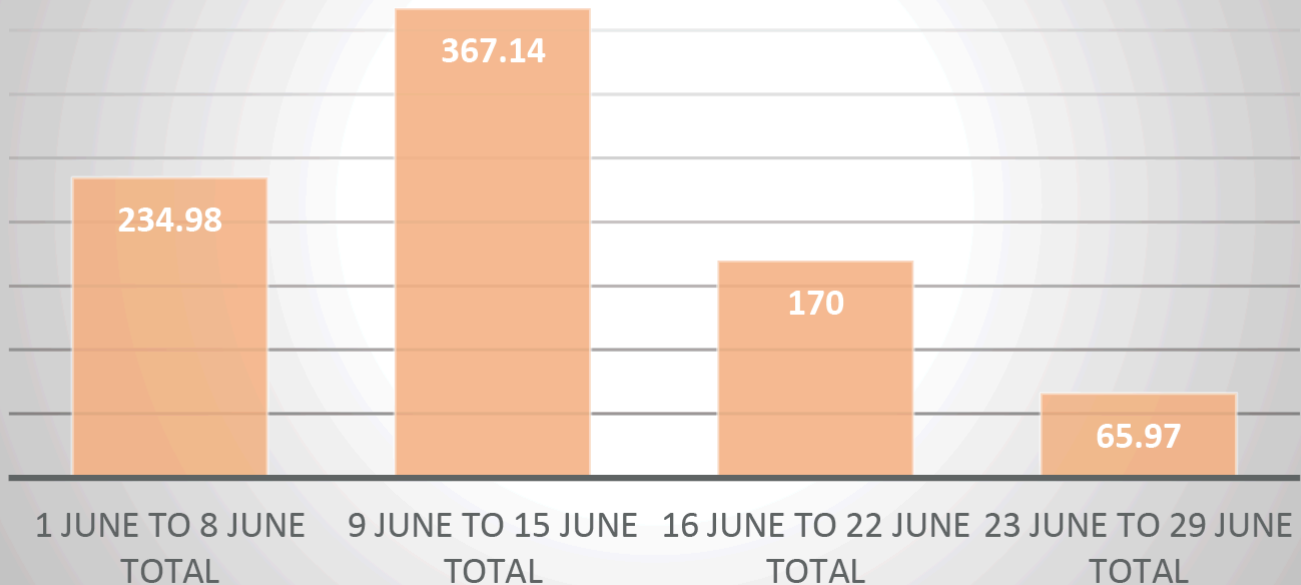
Month of June 2025 Data

Monthly Graph

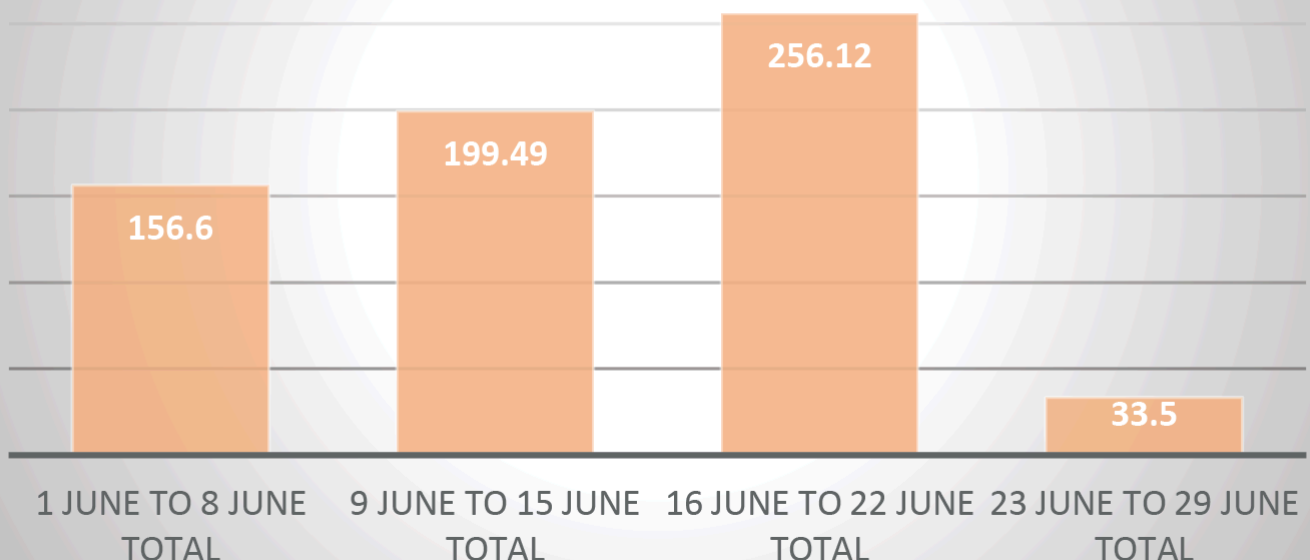


Monthly Graph

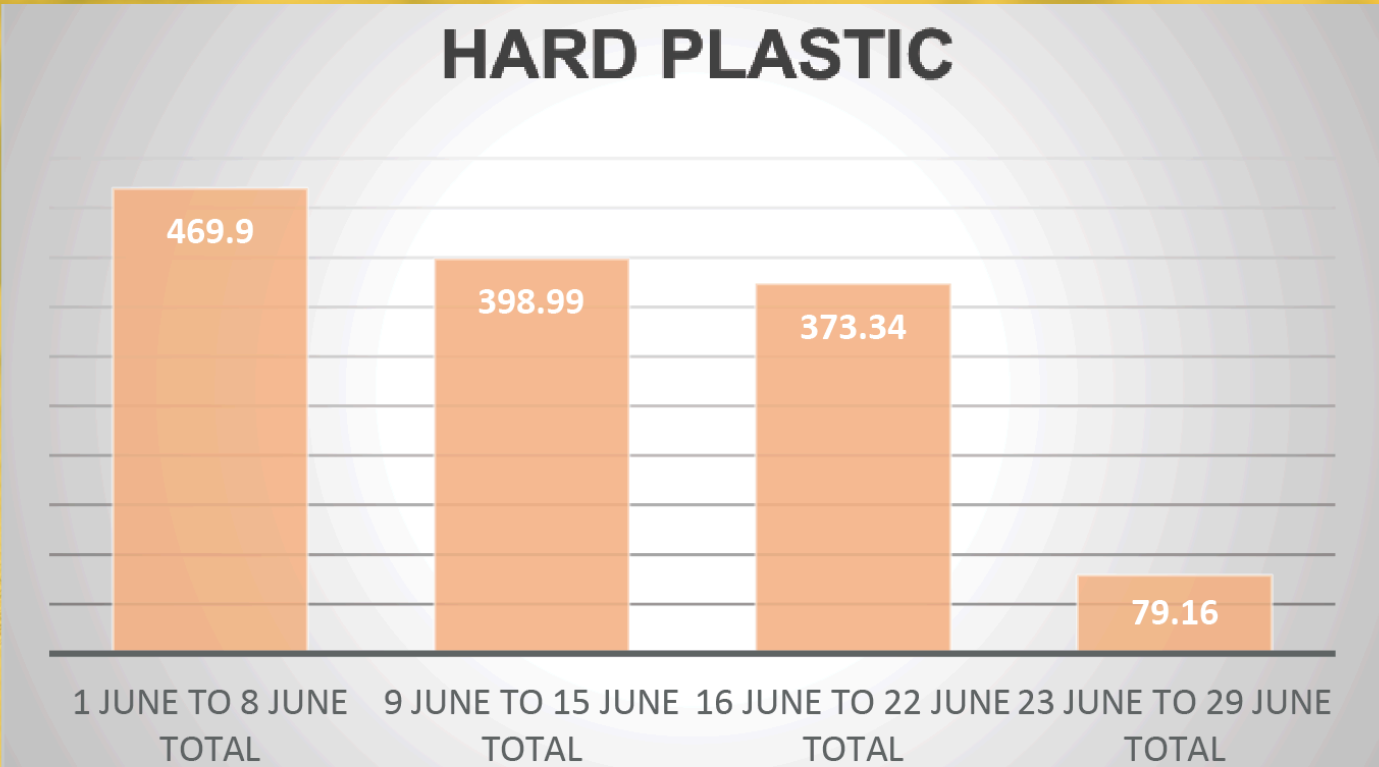
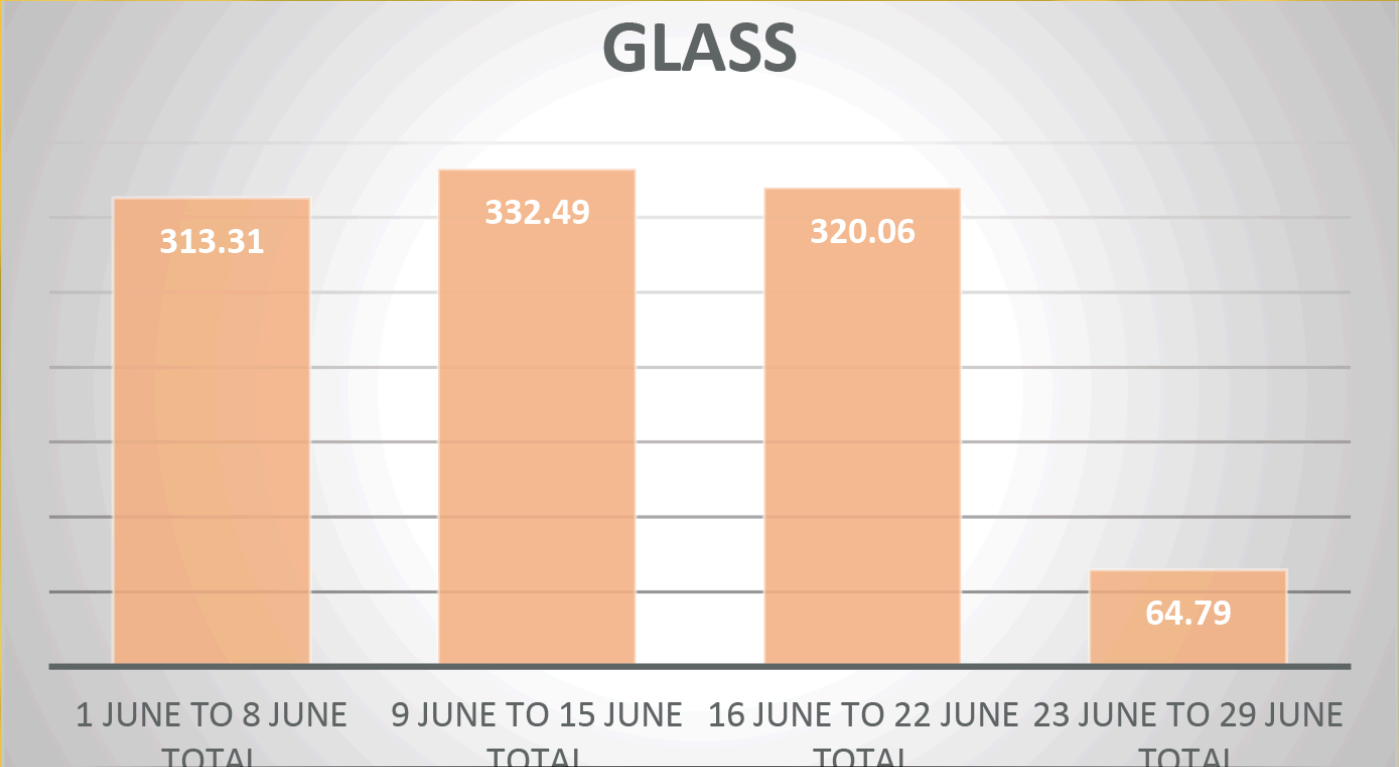
GUNNY BAGS COLLECTION



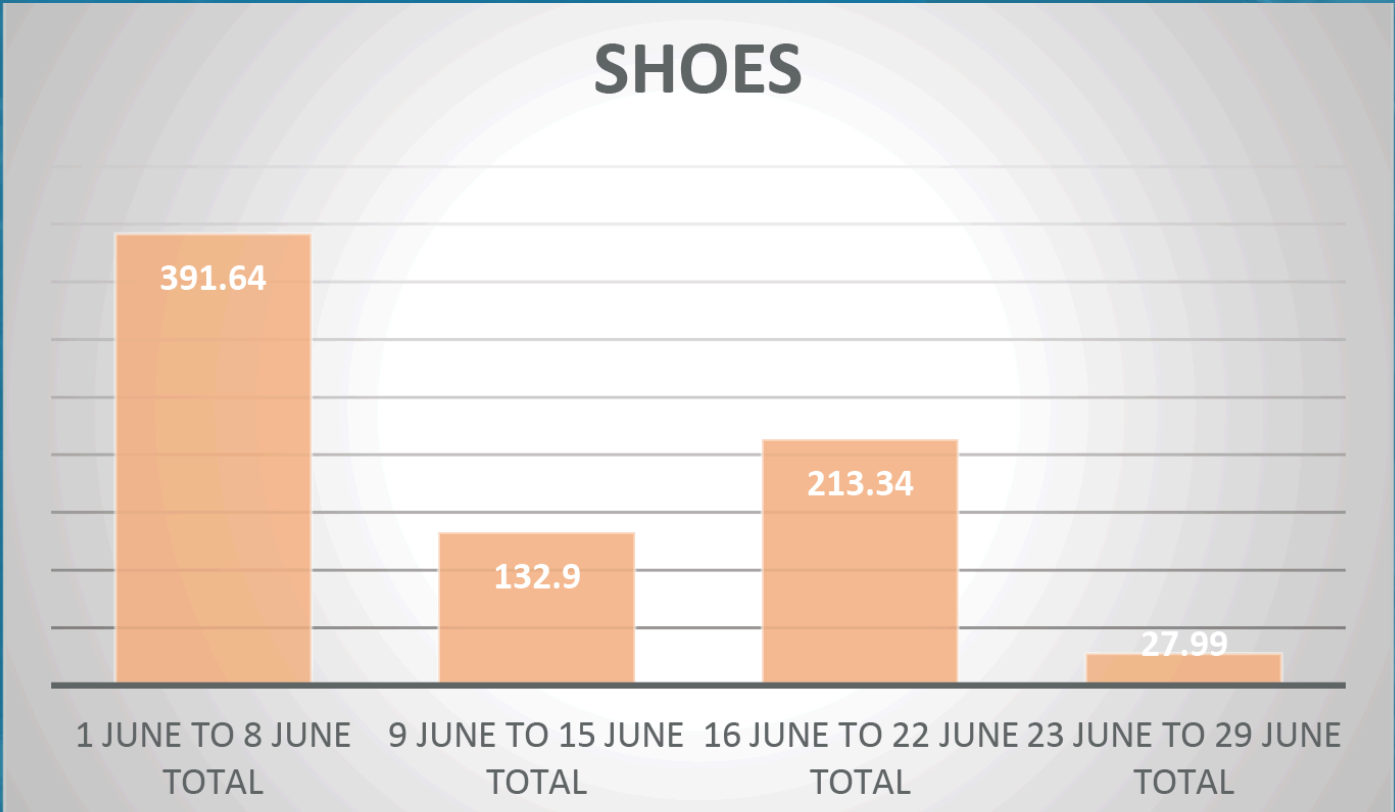
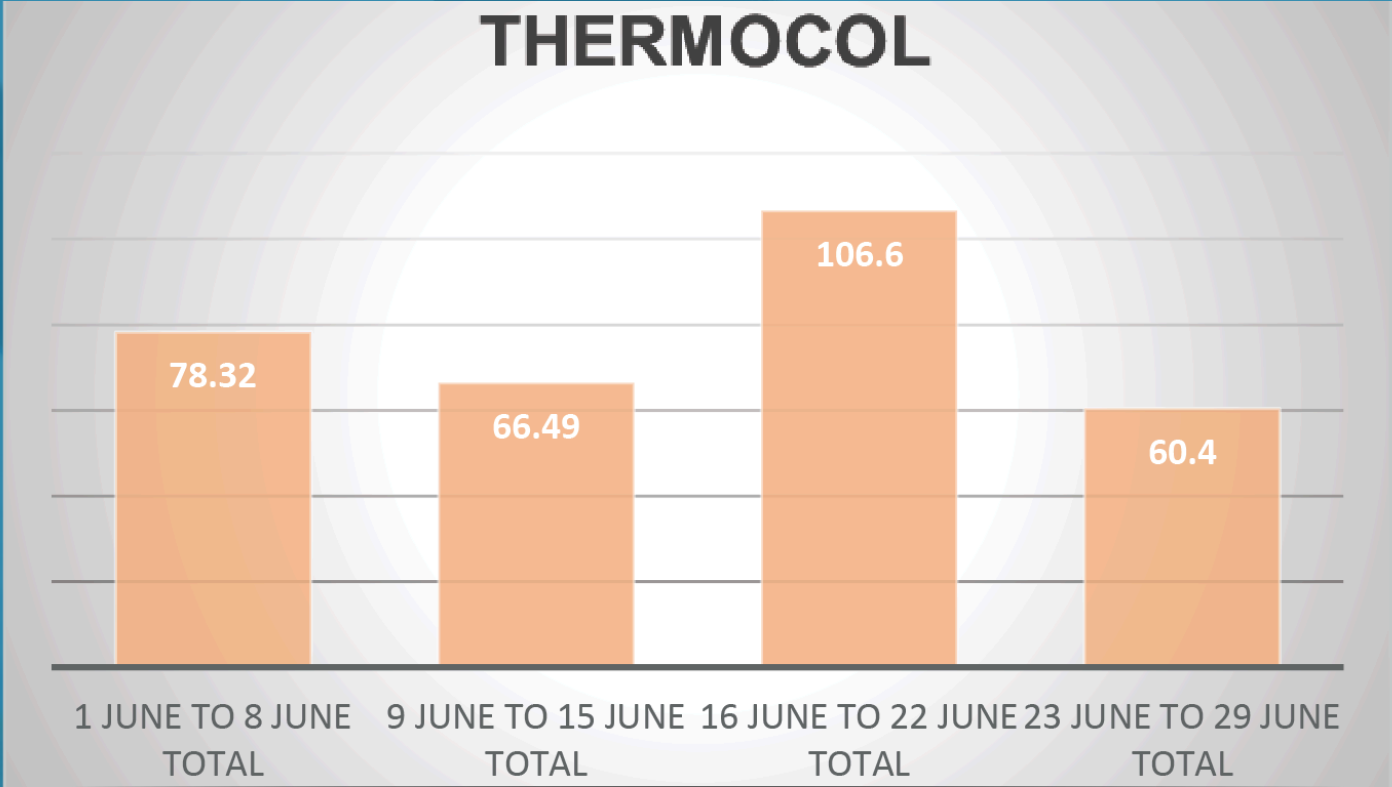
PET BOTTLES COLLECTION



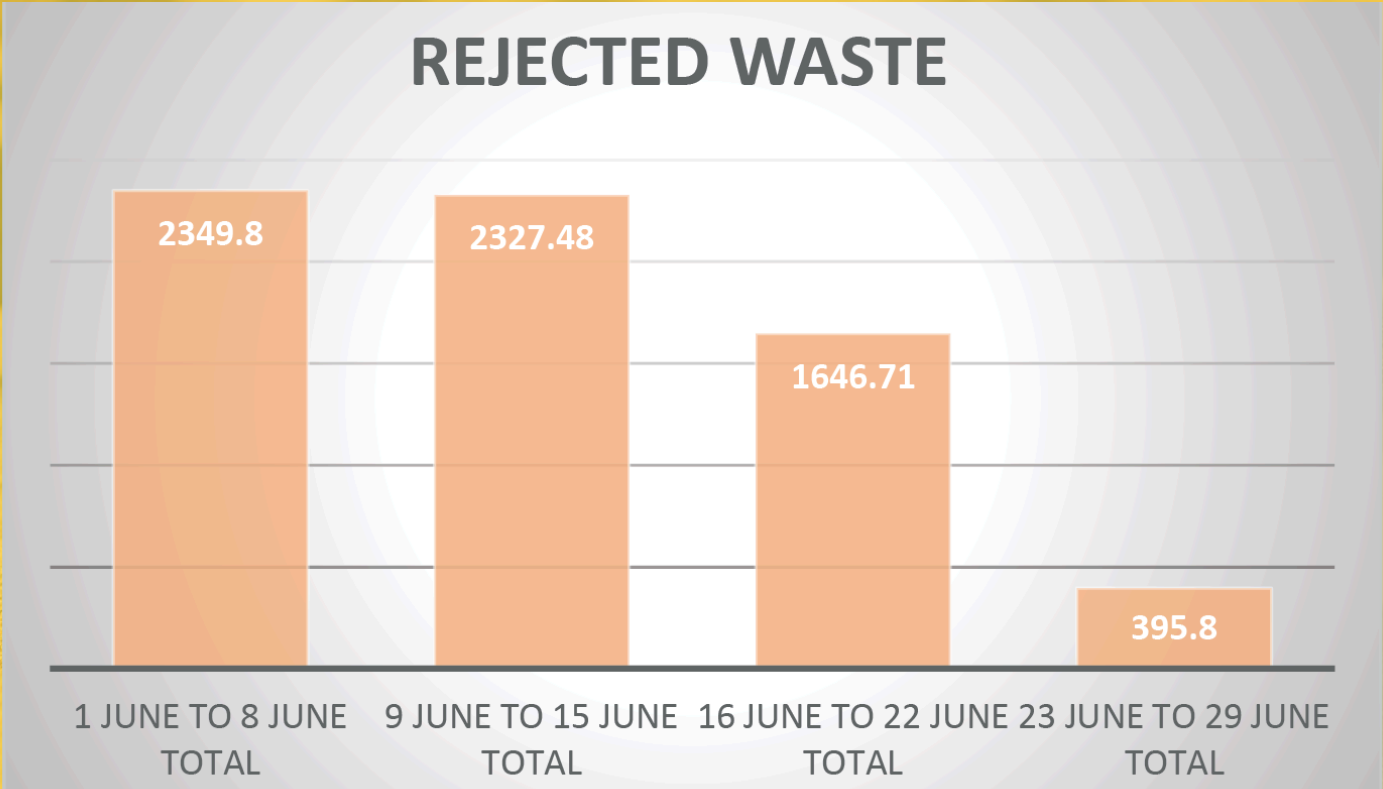
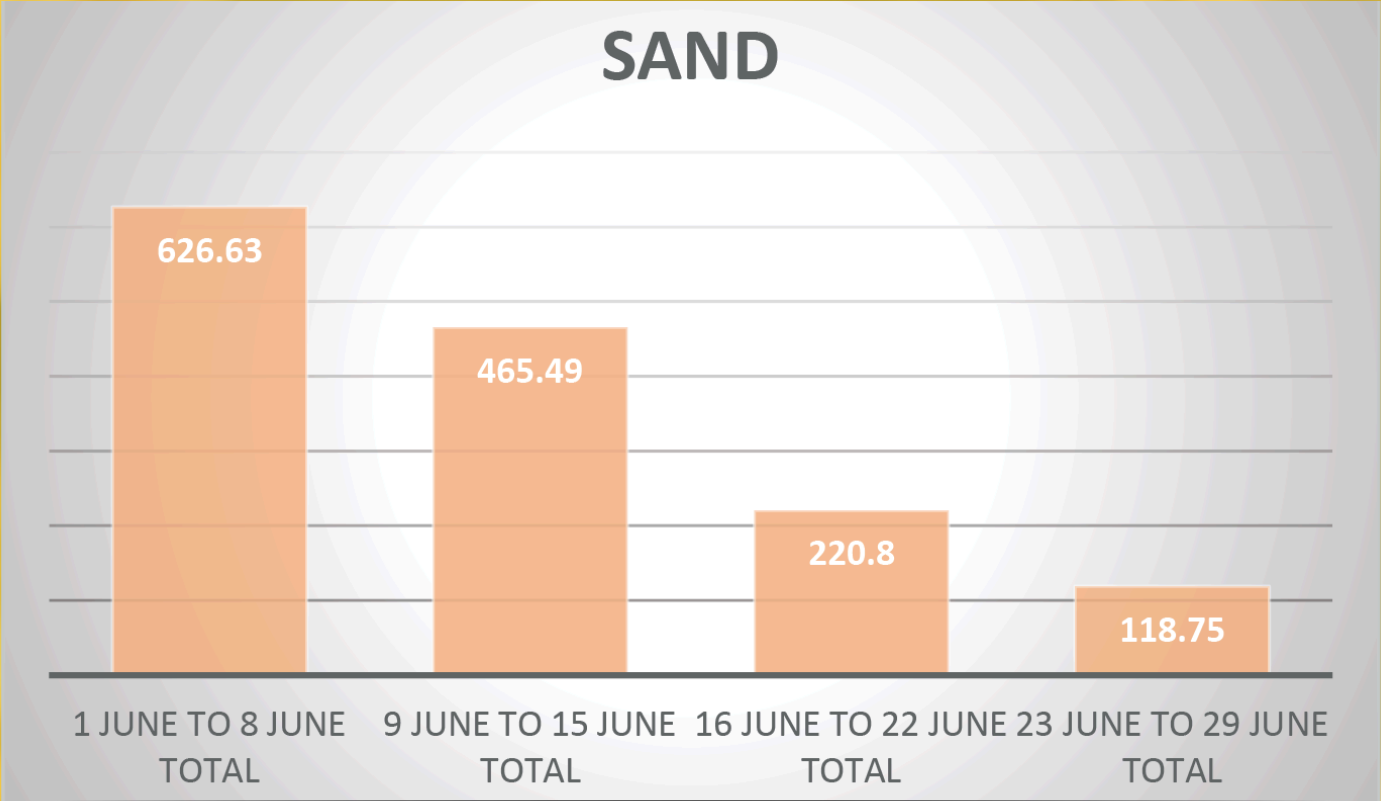
Monthly Graph



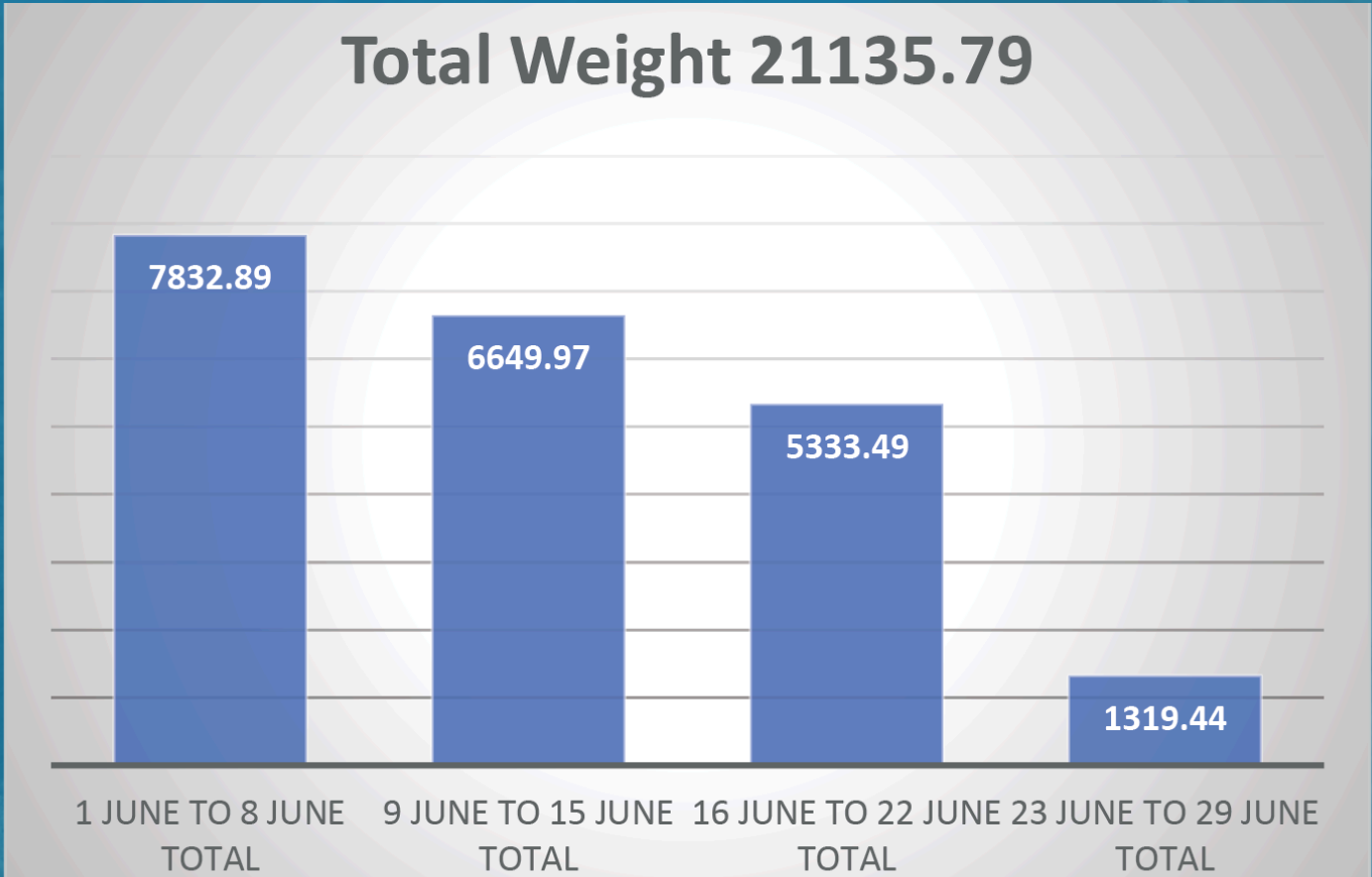
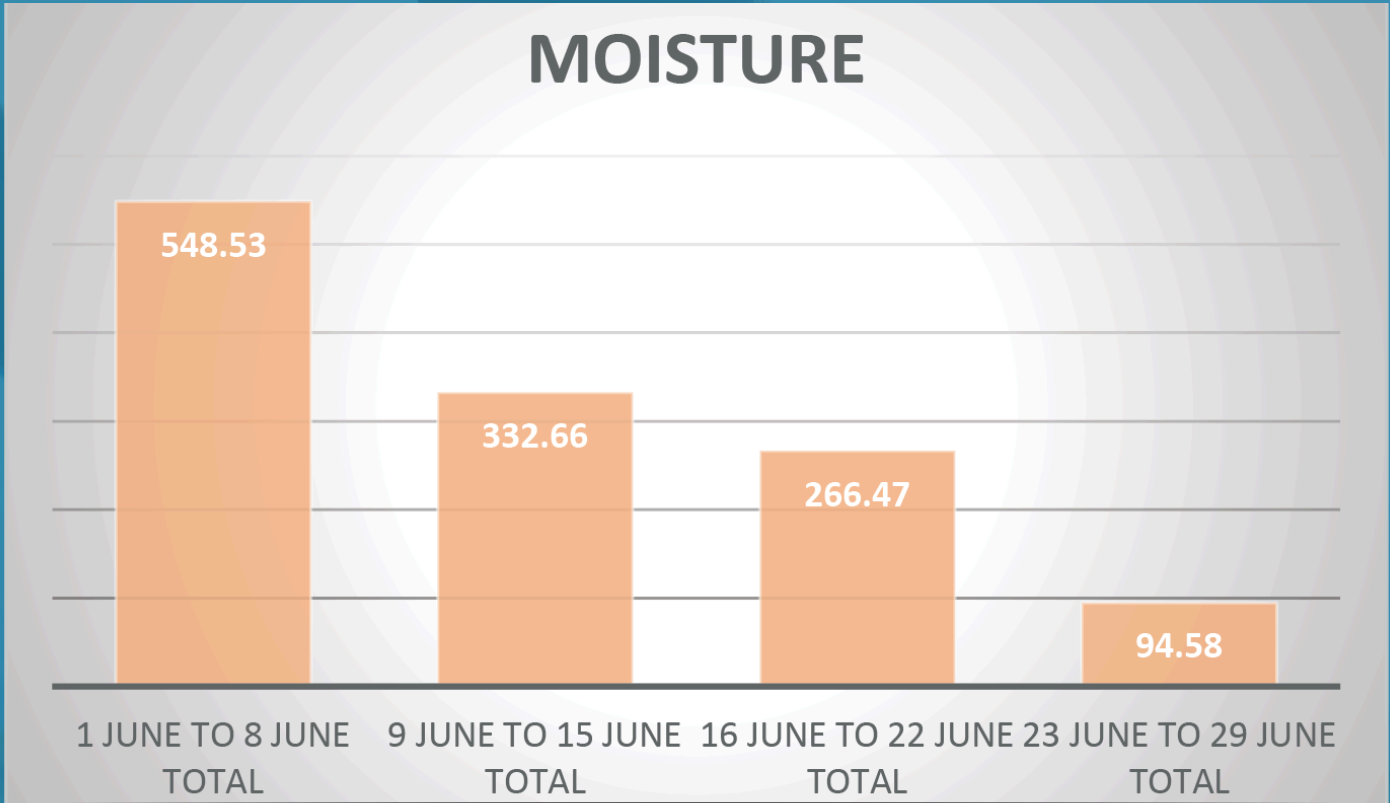
Monthly Graph



Monthly Graph



Monthly Graph





Findings

Collection Span – 1ST June 2025 to 30th June 2025

Total Working Days – 30

Total Safai Sathis –

1st June to 18th June = 13 Safai Sathis &

19th June to 30th June = 8 Safai Sathis

Total Holidays – 0

Total Working Hours - $30 \times 7 = 210$ Hrs.

Total waste collected – 21135.79 KG

Waste collection per hour – 100.64 KG

Waste collection per hour per Safai Sathis – 7.74 KG

Total Mix Plastics – 6973.42 KG

Total Gunny Bags – 736.94 KG

Total Pet Bottles – 645.71 KG

Total Glass- 1030.65 KG

Total Hard Plastics- 1321.39 KG

Total Tharmocol- 268.11 KG

Total Shoes- 765.87 KG

Rejected Waste – 6719.79 KG

Sand – 1431.67 KG

Moisture- 1242.24 KG

PERCENTAGE ANALYZING

Mix Plastics – 33 %

Gunny Bags – 3%

Pet Bottles -4 %

Glass – 4.8%

Hard Plastics – 6.2%

Tharmocol – 1.2%

Shoes – 3.6 %

Rejected Waste -31.7 %

Sand - 6.7%

Moisture -5.8 %



Remarks

Of the total collected waste, 55.8% was found to be plastic waste.

Due to the ebb tide, a large amount of sand enters the waste, and as a result, the proportion of sand in the collected waste was also significant, amounting to 6.7%. A considerable amount of waste that cannot be recycled, such as waste thrown into the sea, creeks, and drainage systems, was found to make up nearly 31.7% of the total waste.

To reduce the sand content, measures have been implemented to shake off the sand while collecting the waste. Efforts will be made in the future to further reduce this percentage.

Among the plastic waste, nearly 50% was found to be packaging material.

Prior to the collection, this waste had been floating in the waters of the creek and sea for at least 3 to 4 months. The packaging date and expiry date found on the plastic bags indicated that these plastics had been polluting the water for around 2 to 4 months before washing up on the shore. This indicates that the plastic waste had been contributing to water pollution for a significant period of time.



Note

Challenges in Plastic Collection Due to Monsoon Disruptions

During the monsoon season, continuous and heavy rainfall, as well as the overgrowth of vegetation, created obstacles in carrying out plastic collection activities. For safety reasons, staff were also required to temporarily halt operations.

During this period:

- The pace of plastic collection slowed down
- Changes had to be made to the scheduled collection timings
- Collection had to be suspended for a few Hrs

These circumstances directly impacted the monthly plastic collection data. In the report for the month of June, the total amount of plastic collected showed a decline, primarily due to these natural disruptions.