



UNITED WAY
Mumbai



Samarth Bharat Vyaspeeth

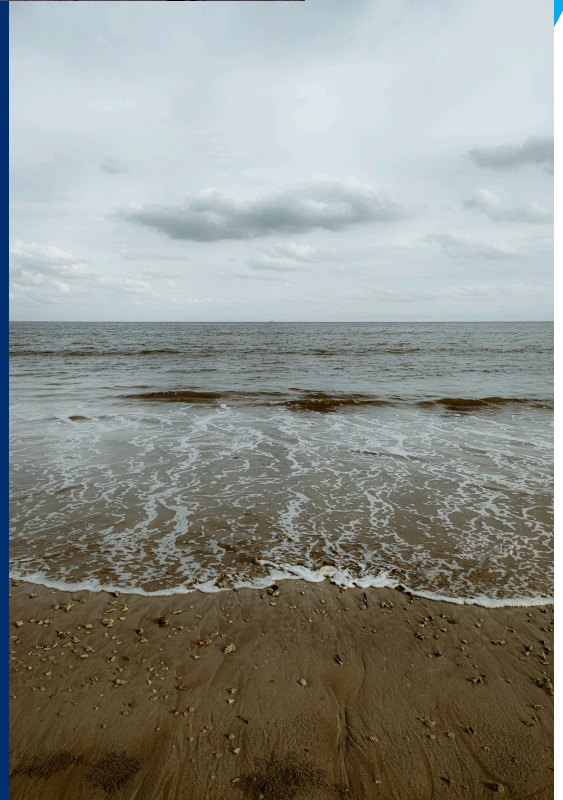
MAHIM RETI BUNDER & MAHIM CAUSEWAY BEACH

April 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

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

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. 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 13 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.



SAFAI DOOT STORY

I used to work in the village as a farmer. After marriage, I came to live in Mahim. Earlier, I used to go to work as a drain cleaner. That work used to be for 4 months. I used to go to Andheri, Santacruz to do drain work. Since the children were small, I could not work. My husband goes to the chicken cart to take the chickens down. Sometimes there was work. Sometimes there was no work. Since there was no work for 15 days in a month, my husband stays at home.

Name – Parvati Kiran Pawar

Education – 8th Pass

Age – 23

Village – Parbhani



My sister Sunita was working here, so she told me about this work. I decided to support my husband. The workplace near home. My little daughter is 8 months old. I tied a knot on my wrist and got ready for work. If I want to breastfeed my baby while I am working. My husband brings the baby. After I breastfeed, he takes the baby back home.

I always feel that our beach should look clean. I am doing this work with all my heart. Thank you United way Mumbai , and Samarth Bharat Vyaspeeth , these organizations supported me in that situation. I want to give my children a good education. That is the effort I will continue in my life.

SPECIAL ACTIVITY DONE – MAHIM CAUSEWAY & RETIBUNDER CLEANUP DRIVE

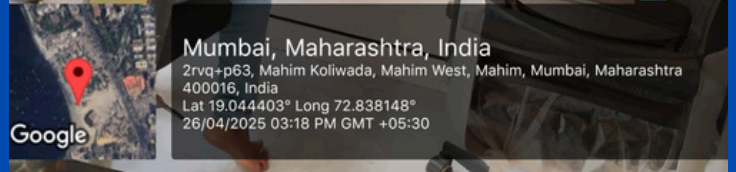
25 April World earth day – Mega Mithi River cleanup drive

Bhamla Foundation organized a mega Mithi River cleanup drive at Mahim Causeway Beach on the occasion of World Earth Day. Film actors, actresses, and politicians attended the event. Our safai sevika are working 365 days a year to clean Mahim Beach. For that, they were felicitated on that day.



COMMUNITY AWARENESS SESSION

Yogita Gaikwad Coordinator conducted an awareness session on the topic of dry waste and wet waste management (topic name – Waste Segregation).



A wide-angle photograph of the Chesapeake Bay Bridge-Tunnel. The image captures the long approach spans and the central cable-stayed tower. Several boats are visible in the water, and the city skyline is in the background. The water is calm, and the sky is clear.

DATA

**United way Mumbai & Samarth Bharat
Vyaspeeth Beach cleanup drive Month of April
2025 Data**

Date	Total Segregation Waste	Mix Plastics	Gunny Bags	Pet Bottles	Glass	Hard Plastics	Thermocol	Shoes	Rejected Waste	Sand	Moisture
1 April 2025	156.1										
1 April 2025	1232.08										
2 April 2025	163.6										
2 April 2025	1243.14										
3 April 2025	165.12										
3 April 2025	1252.4										
4 April 2025	166.03										
4 April 2025	1259.1										
5 April 2025	164.0										
5 April 2025	1267.6										
6 April 2025	167.25										
6 April 2025	1281.9										
6 April to 6 April T	8518.34										
7 April 2025	165.4										
7 April 2025	1288.26										
8 April 2025	164.1										
8 April 2025	1294.04										
9 April 2025	166.07										
9 April 2025	1302.1										
10 April 2025	168.04										
10 April 2025	1310.13										
11 April 2025	165.5										
11 April 2025	1316.6										
12 April 2025	165.01										
12 April 2025	1321.15										
13 April 2025	164										
13 April 2025	1324.25										
ril to 13 April	10314.65	3197.54	618.8	309.43	412.5	515.7	103.14	206.2	3506.9	825.17	619.27
14 April 2025	0										
14 April 2025	0										
15 April 2025	162.5										
15 April 2025	1329.08										
16 April 2025	164.06										
16 April 2025	1334.1										
17 April 2025	165.12										
17 April 2025	1339.4										
18 April 2025	167.09										
18 April 2025	1346.1										
19 April 2025	0										
19 April 2025	1565.8										
20 April 2025	164.02										
20 April 2025	1352.15										
ril to 20 April	9089.42										
21 April 2025	165.9										
21 April 2025	1363.01										
22 April 2025	166.4										
22 April 2025	1377.3										
23 April 2025	80.02										



DATA

United way Mumbai & Samarth Bharat Vyaspeeth Beach cleanup drive Month of April 2025 Data

23 April 2025	765.9										
24 April 2025	165.06										
24 April 2025	908.19										
25 April 2025	134.2										
25 April 2025	719.15										
26 April 2025	170.6										
26 April 2025	1382.09										
27 April 2025	152.01										
27 April 2025	1389.4										
April to 27 April	8939.23	2754.46	357.5	268.17	625.7	536.35	178.7	402.26	2502.9	715.13	598.06
28 April 2025	153.16										
28 April 2025	1387.05										
29 April 2025	150.3										
29 April 2025	1380.23										
30 April 2025	151.09										
30 April 2025	1382.16										
April to 30 April	4603.99	1519.31	161.31	138.11	230.2	207.17	92.07	184.16	1335.15	414.35	322.16
	41465.63	12407.11	2017.98	1329.01	2324.76	2091.22	635.16	1102.02	13874.63	3187.18	2496.56

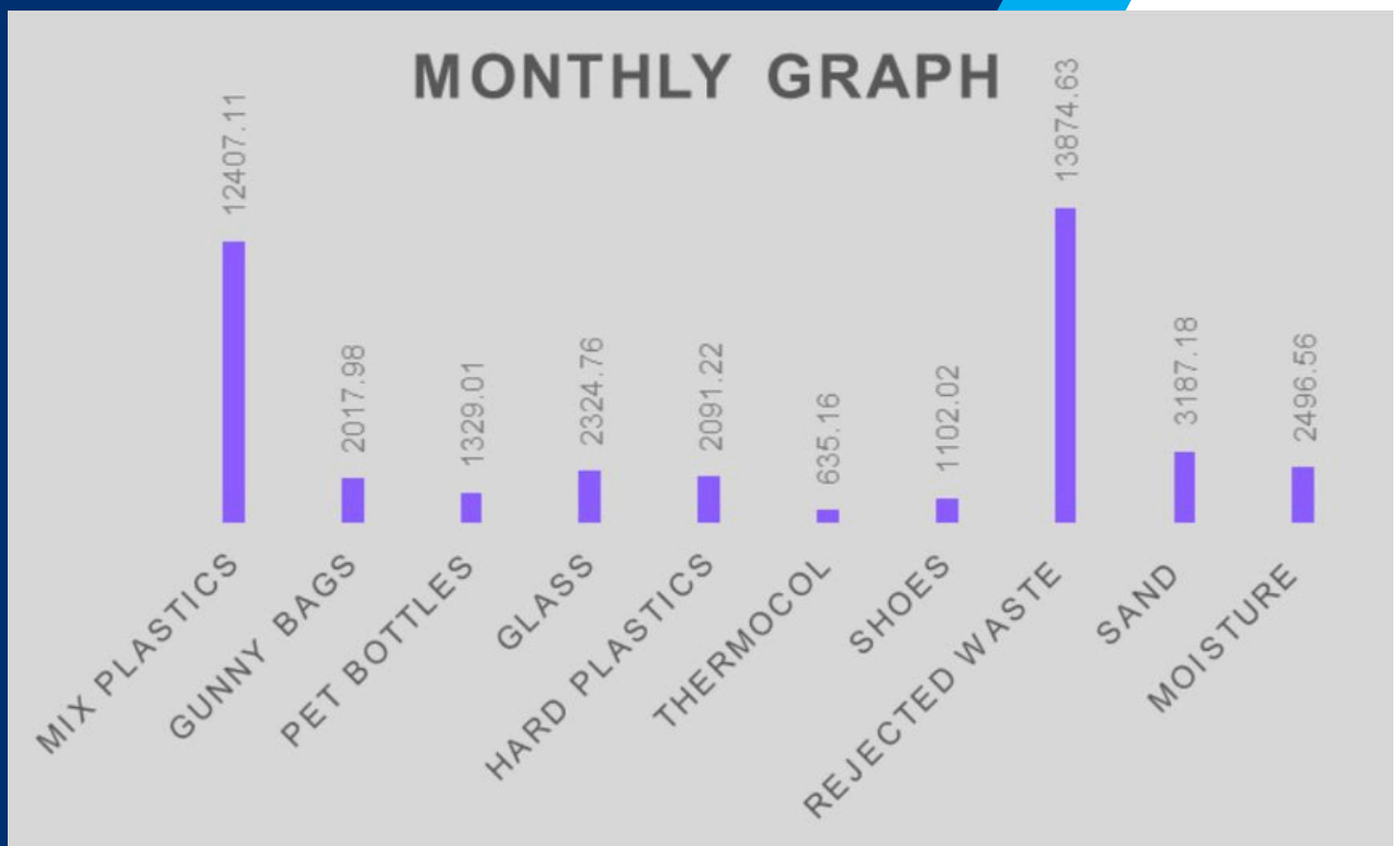




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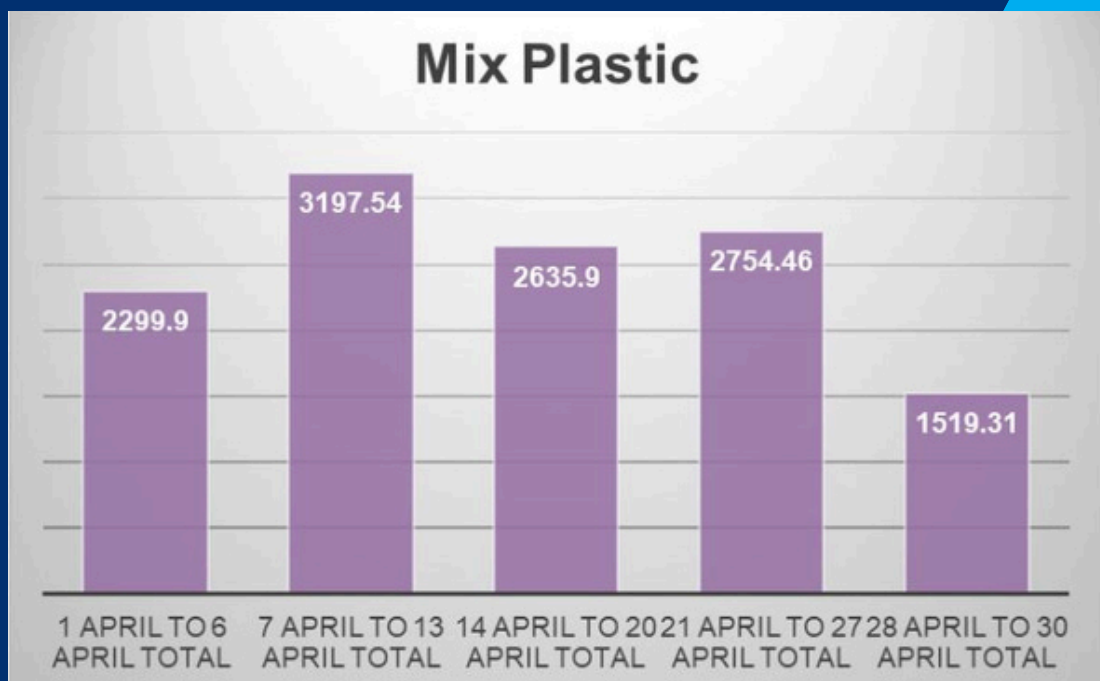
United way Mumbai & Samarth Bharat Vyaspeeth
Beach cleanup drive Month of April 2025 Data

MONTHLY GRAPH





DATA ANALYSIS





DATA ANALYSIS

PET BOTTLES COLLECTION

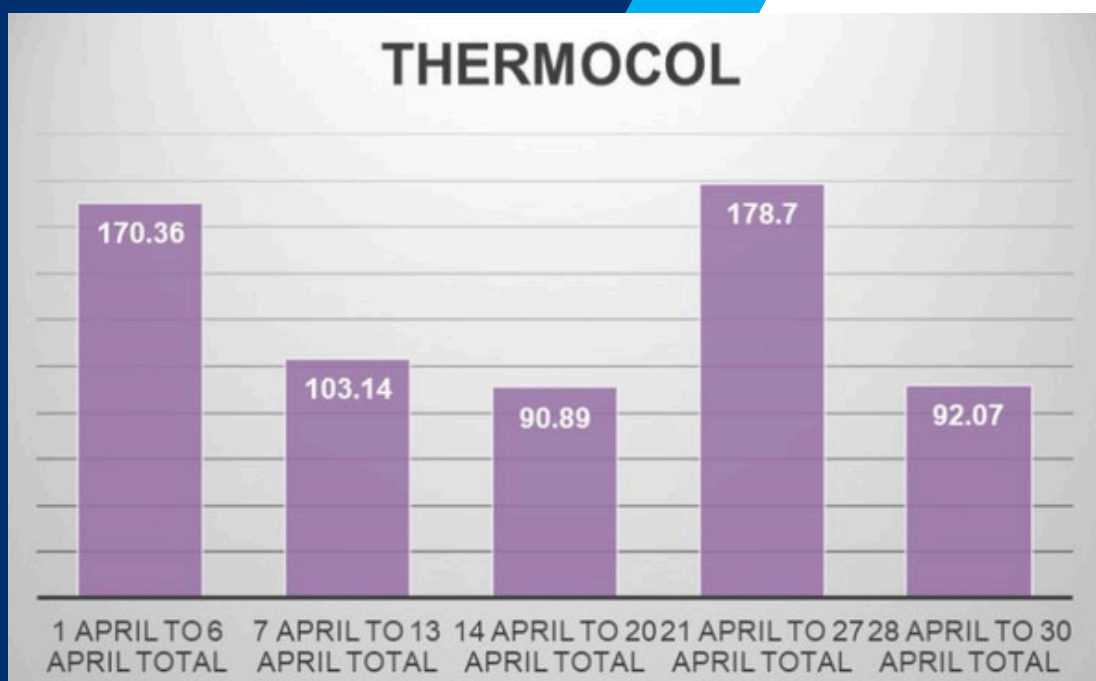


GLASS





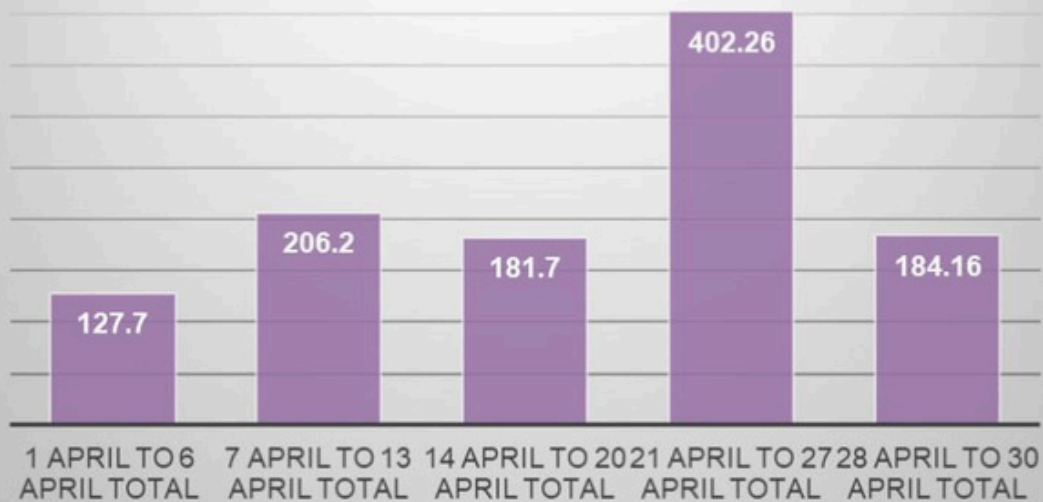
DATA ANALYSIS



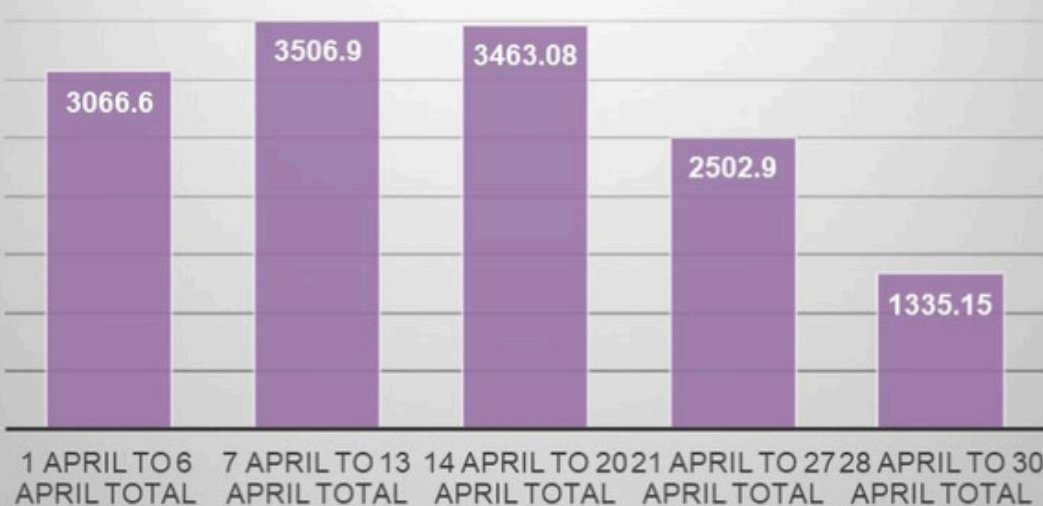


DATA ANALYSIS

SHOES

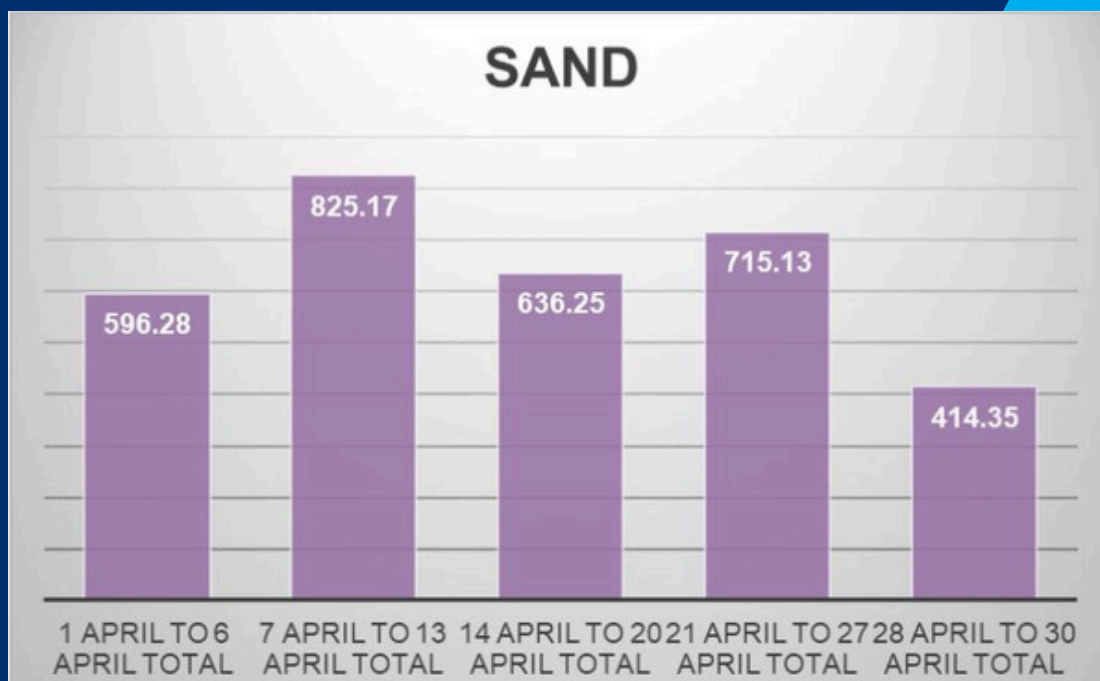


REJECTED WASTE





DATA ANALYSIS



FINDINGS

Collection Span – 1ST April 2025 to 30st April 2025

Total Working Days – 29

Total Safai Sathis – 13

Total Holidays – 1

Total Working Hours – $29 \times 7 = 203$ Hrs.

Total waste collected – 41465.63 KG

Waste collection per hour – 204.26 KG

Waste collection per hour per Safai Sathis – 15.71 KG

Total Mix Plastics – 12407.11 KG

Total Gunny Bags – 2017.98 KG

Total Pet Bottles – 1329.01 KG

Total Glass– 2324.76 KG

Total Hard Plastics– 2091.22 KG

Total Tharmocol– 635.16 KG

Total Shoes– 1102.02 KG

Rejected Waste – 13874.63 KG

Sand – 3187.18 KG

Moisture– 2496.56 KG



PERCENTAGE ANALYZING

Mix Plastics – 31 %

Gunny Bags – 5%

Pet Bottles – 3 %

Glass – 6%

Hard Plastics – 5 %

Tharmocol – 1.5%

Shoes – 2.5 %

Rejected Waste – 33 %

Sand – 7%

Moisture – 6 %

Remarks

Of the total collected waste, 54% 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 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 46% 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 60% 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.

