



F.No.7-43/PCC/NGT(O.A.606/2018)/2021/

अंडमान तथा निकोबार प्रशासन

ANDAMAN & NICOBAR ADMINISTRATION

प्रदूषण नियंत्रण समिति

POLLUTION CONTROL COMMITTEE

DEPARTMENT OF SCIENCE AND TECHNOLOGY

Dolly Gunj, Port Blair-744103 Tel.: 250370

E-mail: dstpcc-andamans@nic.in

Dated: 08/12/2023

To,

The Registrar General
Hon'ble National Green Tribunal,
Principal Bench,
New Delhi-110001

Sub: Submission of Six-Monthly Progress Report on the compliance of the Hon'ble National Green Tribunal directions dated 18.05.2023 in O.A.No.606 of 2018- Compliance of Solid Waste Management Rules and other Environment issues-reg.

Ref: Order of Hon'ble NGT in O.A. 606 of 2018 dated 18.05.2023

Sir,

In compliance with the Hon'ble National Green Tribunal Principal Bench, order dated 18.05.2023 in O.A.606/2018 - Compliance of Solid Waste Management Rules and other Environment issues, Kindly find enclosed Six monthly Progress Report for the UT of Andaman and Nicobar.

Yours faithfully,

Member Secretary, ANPCC

Copy To:

- 1) The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-100032

Signed by Abhishek Bhukal

Date: 08-12-2023 13:32:02

Reason: Approved

Member Secretary, ANPCC



सत्यमेव जयते

**Compliance Status of Andaman and Nicobar Islands on the Directions of the Hon'ble
National Green Tribunal Principal Bench,
New Delhi
in
Original Application No.606/2018
&
Connected Matters**



**Andaman and Nicobar Administration
Port Blair**



SOLID WASTE MANAGEMENT

The Union Territory of Andaman and Nicobar has one Urban Local Body and 70 Gram Panchayats.

Sl. No.	Name of the Municipality	Solid Waste generated (TPD)	Processed (TPD)	Gap in processing (TPD)	To disposal site (TPD)
01	Port Blair Municipal Council	51.67	46.51	5.16	5.16
02	70 Gram Panchayat	17.3	17.3	0	0

Sl. No.	Name of the Municipality/Panchayats	Gap in waste processing (TPD)	Action Plan	Technology	Sources of Fund	Time Taken	SWM Compliance after completion
01	Port Blair Municipal Council	5.16	Action Plan for zero waste management completed. Door-to-door segregation, collection, transportation, processing public awareness is being done in collaboration with GIZ-India.	Open Source and decentralized technology as per suitability.	The funds will be utilized from SBM-U 2.0, Smart City Mission, UT Grant and GIZ-India.	2023	100%
02	70 Gram Panchayat	0	26 SWM Clusters are mapped with 70 GPs serving to 189 villages.	Segregation, Bailing, Shredding and Vermi Composting.	SBM(G)	25 Clusters are completed, 01 Cluster is under construction in Brindaban GP.	100 %

Dumping Site	Technology Used	Legacy Waste (Tons)	Quantity Removed (Tons)	Total area of the dump site	Area Reclaimed	Timeline for completion
PBMC: Brookshabad	Bioremediation	1,00,000	In process	3 Acres	The work is in under process, 94% of physical progress is achieved.	30.01.2024
Panchayats: 10 Locations	Bioremediation	18.84	18.84	10 Hect.	-	Completed

Best Practices in SWM of Andaman & Nicobar Islands

- In Urban area of ANI, around 55 tons per day and in rural area 17.3 MT per day solid waste is generated. To scientifically dispose the waste, 100 percent door to door collection in all 24 wards of municipal area and 70 Gram Panchayats of rural area are carried out. Collected waste is properly segregated and sent to mainland for recycling and reprocessing.
- Decentralized composting units for wet waste, Solid & liquid Resource Management center (SLRMC) for dry waste management in 18 location of Municipal Area and decentralized Solid Waste Management (SWM) Clusters in 26 Locations mapped with 70 Gram Panchayats in all the 03 Districts are setup for proper collection, segregation and scientific disposal of waste.
- All the SLRMC in municipal area and SWM Clusters in Gram Panchayats are being equipped by a Shredding/Bailing machine. The recyclable plastic wastes are bailed using bailing machine and transported to Port Blair for handing over to approved recyclers which are then transported to mainland along with Glass and Metal Waste. The non-recyclable plastic wastes are shredded into minute particles using Shredding Machine which are then used in construction of roads as per the notification of the A&N Administration to make use of mandatory 8-10% shredded plastic in road construction. Around 135.0318 tons of plastic waste is used in the road construction of 146.28 Km Road in A & N Islands.
- For door-to-door collection, each Gram Panchayat is provided with 10 Wheel barrows and total of 700-wheel barrows are provided to 70 GPs and for waste transportation to the SWM Clusters, 26 E-carts are provided to the Cluster Gram Panchayats.
- For effective Waste Management in the Rural Areas, Andaman & Nicobar Islands Panchayat Raj Institutions and Tribal Councils Rural Areas Solid Waste (Handling and Management) Bye Law were notified in A&N Gazette vide No. 279 dated 24. 10.2019.
- The Solid Waste Management Bye-Laws, 2017 to regulate waste management in Port Blair city is notified in the Gazette of A&N Island confirming to MoEF& CC the Solid Waste Management Rules, 2016. PBMC has incorporated the provisions of levy of user fee as door-to-door monthly charge for stakeholder under the Scheduled –III of Bye-laws, 2017.

- Due to the establishment of SLRMC and SWM centres, minimal waste disposal is done at dumpsites which results in reduction of air, water and soil pollution in dumpsite sites area. Also, reduction in the rate of resource depletion and extraction of virgin raw material is increased. Further, these SLRMC and SWM centres helped in generation of livelihoods for low-income workers from the informal sector by involving them in the waste management efforts. These centres helped the local bodies to generate revenue by selling recyclable materials to vendors without investment of anything.
- Setting up and training of Self-Help Groups (SHGs) by the local bodies, help to assist with commercial waste management in Managing recyclable waste in a decentralized manner, enabling sustainable livelihoods for waste pickers, Providing waste pickers with recognition and legitimacy, Efficient utilisation of municipality's Solid & Liquid Resource Management Centers and Upcycling of waste into wealth.
- Due to relentless efforts and proper implementation of waste management rules, achieved ODF Plus Model status for all villages of ANI and the Union Territory (UT) of Andaman and Nicobar Islands became the country's first ODF Plus UT, so declared on February 15, 2022. The third-party assessment of ODF Plus Model of all Villages in the UT of A & N Islands has been completed successfully in August, 2022 having Solid Waste Management as one of the Key components of the assessment.
- Green Star Rating Initiative were conducted by PBMC with the support of ANPCC for Hotels, 06 hotels participated-02 hotels with 05-star, 03 hotel with 04-star and 01 hotel with 03-star were done.
- The Clean Up drives conducted by PBMC specifying tons of plastic collected and segregated in demonstration projects for reuse and recycling (from 17.09.2022 to till date) is tabulated below-

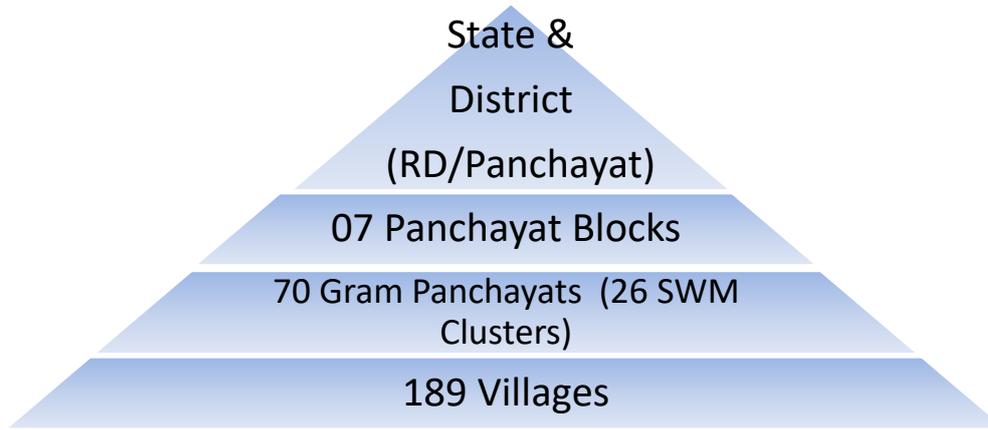
Activities	No. of Activities	Total amount collected (kg)	Total sent to MRF/recycling (kg)	Estimated total of plastics (kg)
Clean up drives conducted by GIZ/PBMC	7	2715.3	1586.8	494.1
Clean up drives technically supported by PBMC/GIZ in coordination with NGOs	15	8278	6244	3145
Clean up through Inside sea cleaning	1	147	147	53
Plastic Lao- Uphar Pao and Aao Koshish Kare	2	742	742	742
Drain Cleaning	Regular Activity	19064	18	18
Fishing Gears (Through Ghost Net Collection Centre)	Regular Activity	842	842	842
Total		31788.3	9579.8	5294.1

Monitoring mechanism

1. Special Task Force constituted vide Order No. 22 dated 27.04.2021 under the chairmanship of Chief Secretary, ANI for implementation of Plastic Waste Management Rules, 2016.
 - 1st meeting of Special Task Force was held on 27-04-2021 under the Chairmanship of Chief Secretary, A & N Administration in the Conference Hall of Secretariat, Port Blair
 - The meeting of Core committee members was held on 12.08.21 under the Chairmanship of Secretary (S&T) for the preparation of the Comprehensive Action Plan

- 1230 Vide A & N Gazette Notification No.225 dated 24.09.2019, Tehsil Level Task Force were constituted to enforce the ban on use, storage, import, manufacture, transportation, distribution or sale and disposal of plastic carry bags irrespective of thickness, size, color and nature in the UT of A & N Islands.
3. Vide Order No. 46 dated 07-07-2022, a Special Enforcement Team in all Tehsils were constituted for enforcing ban on identified Single Use Plastic.
 4. Vide Order No.414 dated 12-02-2019, a State Level Advisory Committee (SLAC) was constituted under the Chairmanship of Chief Secretary ANI in pursuance of order dated 16-01-2019 passed in Hon'ble NGT O.A No.606 of 2018.
 - So far 11 SLAC meetings under the Chairmanship of Chief Secretary ANI on 18-02-2019, 14-03-2019, 24-04-2019, 03-06-2019, 19-06-2019, 01-08-2019, 19-09-2019, 07-11-2019, 10-12-2019, 22-01-2020, 21-02-2020 have been held.
 5. Vide Order No. 36 dated 25-05-2022, State level committees under the Chairmanship of Principal Secretary (Health) and District Level Committee under the Chairmanship of respective Deputy Commissioner were constituted to review the monitoring and implementation of Bio Medical waste Management Rule, 2016 in compliance of Hon'ble NGT order dated 07-01-2022 passed in O.A 180/2021.
 - Review Meeting held on 12-06-2023 at 12:00 PM under the Chairmanship of Deputy Commissioner, South Andaman cum Chairman, South Andaman District Committee, A&N Admin at Conference Hall of DC office, South Andaman to discuss the compliance of Bio-Medical Waste Management rules, 2016.
 6. Vide Order No.57 dated 04-08-2011, State Level Committee under the Chairmanship of Chief Secretary ANI and District Level Task forces under the Chairmanship of respective Deputy Commissioner were constituted to monitor Compliance of Bio Medical Waste (Management & Handling).
 - So far 6 meetings of District Level Task force of South Andaman under the Chairmanship of Deputy Commissioner (SA) on 21-11-2014, 27-10-2015, 10-01-2017, 19-04-2018, 04-06-2019, 01-07-2019 have been held.
 7. Andaman & Nicobar State Water and Sanitation Mission Committee have been constituted to review the implementation of Solid Waste Management in the UT of ANI.
 8. District water and Sanitation Mission Committee has been constituted to review the implementation of Solid Waste Management in District level.
 9. Special Task Force constituted for elimination of Single Use Plastic and effective Plastic Waste Management in the Rural Areas under the Andaman & Nicobar Islands Panchayat Raj Institutions and Tribal Councils Rural Areas Solid Waste (Handling and Management) Bye Law, 24. 10.2019.

10. The Monitoring Hierarchy of Solid Waste Management from the Grass Root Level as follows: -



SECTION-II: SEWAGE MANAGEMENT

Sewage Generation

Name of the ULBs and Rural bodies	Sewage Generation (MLD)	Sewage Reused (MLD)	Sewage Treated (MLD)	Gap in Treatment (MLD)
PBMC	20.25	5.00	4.070 MLD – through septic tanks	11.18
RD&P Panchayats	9.656	0	2.35- Through septic tanks	7.306
			2.303 MLD- through STPs of private units	
TOTAL	29.906	5.00	8.723	16.183

Strategy to bridge the Gap in Sewage Treatment

Name of the Municipality	Gap in Treatment (MLD)	Action Plan to bridge the gap
PBMC	8.877	<ul style="list-style-type: none"> Work order for 01 decentralized STP of capacity 10 MLD at Mazar Pahad has been awarded and work is under process and will be completed by 30th September 2024 to cater future needs (PBMC wards No.2,3,4&5). <p>DPR for establishing STPs (Other than wards 2,3,4,5) for treating 18 MLD sewage considering the future operation of international Airport and fast development of tourism is under preparation and shall be executed under Smart City Mission and other Schemes/Plan Heads. The work is expected to be completed by 2025-26.</p>

Households Status	Gap in Treatment (MLD)			Action Plan to connect
	Total (Households) (In Nos.)	Connected (Households) (In Nos.)	Gap/Not connected (Households)	
Domestic	46456(PBMC) + 54653(Rural)	-	-	Disposed through 42 KLD FSTP at Brookshabad. Implementation of 10 Nos. of FSTPs of total capacity 65 LLD in rural area are in DPR stage.
Commercial Establishment	6600 (PBMC) + 4731(Rural)	-	-	

FSTP (Fecal Sludge Treatment Plant)

To safely treat and dispose fecal sludge from the septic tanks of municipal area and nearby rural area, 42 KLD sludge is installed at Brookshabad, Port Blair by the Port Blair Municipal Council.

Functioning FSTP

Sl. No.	Location	Existing Capacity	Capacity being utilized	Compliance status
1.	01 Faecal Sludge Treatment Plant (FSTP) in Port Blair City	42 KLD	100% & Operational	All household has individual on-site pre-captive Treatment Plant established as septic tanks. The Faecal Sludge from houses is cleared on call basis. As on date 42 KLD FSTP is established and is operational based on the assessment and DPR submitted by National Institute of Urban Affairs, New Delhi.

Proposed FSTPs

No	Location	Capacity proposed in MLD	Status of project	Date of Completion
1	Brookshabad	0.6	Work Awarded (For PBMC Area)	January 2027
2	Beodnabad	0.005	DPR stage (For Rural Area)	As per the information obtained from RD&P through vide Letter No. P-1104614/2023-SBM(Gramin)/3571 dated 06.12.2023 Preparation of DPR is under process and work will be completed within 12 month from the award of work
3	Shyamnagar	0.005		
4	Neil Kendra	0.005		
5	Netaji Nagar	0.005		
6	Shore Point	0.010		
7	Campbell Bay	0.005		
8	Rangat	0.010		
9	Long Island	0.005		
10	Rampur	0.005		
11	Madhupur	0.010		
Total		0.665		

PLASTIC WASTE MANAGEMENT

Plastic Waste Generation	Quantity (Per annum)	Plastic waste collected(T)	Plastic waste sent to main land for processing in (Tons)	Plastic waste used for road construction in Tons	Disposal
PBMC	438T	438 T	578.64	23.22	Segregation and transportation are done by authorised vendors to Mainland for recycling
Rural	250 T	244 T			

Policy and Regulatory frame work

1. A & N Administration has banned Single Use Plastic items such as PET Bottles- Water & Beverages, including alcohol, <2L (Less than 2 litres), Plastic Bodied Cigarette Lighters, Sachets (Shampoo, Conditioners and similar personal care items, Mouth-fresheners, Pickle/Jam/Sauces, Spices, condiments, etc.), <15 mL (or equivalent in weight) and Single-use, plastic bodied use & throw Pens vide Notification No. 186 dated 05.09.2019.
2. A& N Administration vide Notification No.225 dated 24.09.2019 imposed complete ban in use, manufacture and sale of plastic carry bags irrespective of its thickness, size, color and nature in A&N Islands.
3. The A & N Administration issued directions vide Order No.210 dated 19.05.2020 to use alternatives such as cloth banners, light weight textile fabrics, natural fiber-based sandwich boards, etc. in various government functions, seminars, workshops, advertisements etc. to eliminate use of single use or short life PVC (Poly Vinyl Chloride) for flags & banners.
4. The A&N administration scheme namely “Andaman and Nicobar Islands Scheme for exemption of Freight Charges for Transportation of Plastic, Glass and E-waste” vide Notification no.86 dated 26th August 2021 for a period of 2 years up to 31st August 2023 where freight charges were exempted for transportation of all sorts of plastic, glass and e-waste from various Islands to Port Blair and Port Blair to Mainland.
5. The A & N Administration vide Notification no.07 dated 10.01.2019 has made use of 8-10% of waste plastic in road construction mandatory.
6. Constituted Special Task Force (STF) under chairmanship of Chief Secretary vide order No. 22 dated 27.04.2021 for elimination of identified single use plastic items and effective implementation of Plastic Waste Management Rules, 2016
7. Draft Comprehensive Action Plan (CAP) elimination of identified single-use plastic items is already prepared.
8. Vide Order No.46 dated 07.07.22, a special Enforcement Team in all Tehsils was constituted for enforcing ban on identified Single Use Plastic.

Enforcement Actions

Enforcement drives are conducted regularly to implement the notifications and penalty amounting Rs142806 was recovered from 1872 inspections by RD&P in rural areas in the last year.

Inspections done by Port Blair Municipal Council:

	No of violations observed	No of challans issued	Quantity of plastic seized	Amount of fine collected
April 2022-23	91	91	1000	76000
October	11	11	260	9500
November	15	15	200	12000
December	10	10		7500
January	15	15		11500
February	30	30		26500
March	10	10		9000
April	6	6		6000
May	10	10		8500

Inspections done by RD&P:

	No of field inspections	Quantity of plastic seized (Kg)	Amount of fine collected
April 2022-23	1227	1198.26	58200
October	72	0	0
November	135	249.7	3000
December	52	71	1000
January	30	130	2500
February	33	15500	100
March	24	0	0
April	24	0	0
May	139	245.5	5700

- Local bodies were directed to use the SUP monitoring and SUP field app developed by CPCB in the meeting conducted on 25-04-2023 at 03:30 pm under the Chairmanship of Director (S&T)/ Member Secretary ANPCC. 70 field officers of RD&P and all field officers of PBMC have already registered in the SUP field inspection.
- Joint inspection of PBMC and ANPCC were done in the industrial areas of Bathubasthi and Dollygunj in the month of May 2023.
- PBMC and RD&P were directed to conduct SUP enforcement drives in the month of October to March through the meeting convened under the Chairmanship of Secretary (S&T, A & N Administration on 09-11-2022 Chairman ANPCC, A & N Administration
- PBMC conducted 91 inspections and Rs.76000 was collected as a penalty whereas, RD&P conducted 346 inspections and an amount of Rs.6600 was collected as a fine during the SUP enforcement drives conducted in the months of October – March as per the direction of CPCB.
- Enforcement drives are conducted regularly to implement the notifications and penalty amounting Rs. 3,62,200.00 was recovered from 1220 inspections by Port Blair Municipal Council (PBMC) in Port Blair city and in rural areas the Gram Panchayats, conducting enforcement drive collected Rs1,25,800 as penalty for breaching PWM Rules,2016
- Meeting conducted on 24-11-2022 at 03:30 pm under the Chairmanship of Director (S&T)/ Member Secretary ANPCC, A & N Administration in his chamber at DST Office, South Andaman on to discuss the enforcement of ban on Single Use Plastic including scheduling of date and time for conducting inspection in the months of November and December 2022.

IEC ACTIVITIES FOR SINGLE USE PLASTIC BAN

The Information, Education & Communication (IEC) strategy was aimed to create awareness and disseminate information regarding the Single Use Plastic by conducting following activities:

- Awareness is created regularly among general public by publishing the items covered under ban in press media.
- Awareness activities are conducted regularly viz. free distribution of cloth bags are carried out in various market places and on various occasions and plastic bags are collected in exchange of cloth bags.

3. Exhibition titled “Udbhav- A New Beginning” has been conducted by the ANPCC in the month of July’22 to aware the stakeholders and general public about the ill impact of Single use Plastics and alternatives available in the Market were displayed.



4. An exhibition was conducted in the auditorium of Girls Sr. Sec.School, Port Blair in the name “UDBHAV-a new beginning, Part -3” from 08/7/22 to 12/7/22 in which several standees on the harmful effects of SUP were displayed and the alternate to SUP items available in ANI were also displayed.
5. Two-day workshop on transition to alternatives to SUP in line to implementation of Plastic Waste management Rule, 2021(Amendment) w.r.t Capacity building of MSME units were conducted by CIPET on the month of June 2022. Officials from ANPCC and several MSME units attended the meeting through VC.
6. Film Shows and Awareness programs for school students and teachers of schools were regularly conducted throughout the ANI Islands. Recently awareness programs and films were also screened in the tribal area of the Nicobar District.
7. Around 10,000 Nos. of Cloth bags are distributed in the market places of Port Blair Town and other area of ANI to discriminate the use of Single use Plastic bags and people were made aware about the impact of plastic items in the environment.
8. Posters on alternative green items available were distributed among all the offices, commercial establishments, educational institution and in public places.
9. Nukkad nataks were regularly played in the market area to aware the general public regarding the ban on use of single use plastic and to encourage the use of alternative to single use plastics.
10. Animated short video clips developed by Ministry of Environment and Forests in bilingual were telecasted in the Port Blair Doordharsan channel in the month of July-August, 2022 for creating mass awareness among the general public.
11. PBMC is encouraging to re-utilize the waste plastic PET bottles as hanging garden. Also hanging PET bottles are being sold by PBMC in the Flea Market & Gandhi Park compost Yard. Approximately 500Nos. of PET bottles used as hanging gardens in Garacharma School, and approximately 155nos. of PET bottle set has been sold to various organization & general public.

	No. of awareness programmes conducted:	NO. of peoples participated
During 2022-23		
By PBMC	346	15719
By RD&P	84	3395

No. of Health Care Facilities	No. of Beds	Quantity of Bio Medical Waste generated	Capacity of CBMWTF	Gap
272 nos.	1610 nos.	734.79 Kg/day	734.79 Kg/day treated and disposed through captive incinerators and deep burial pits.	Nil

E – Waste

Total E – Waste generated	No. of Authorized Collection Centre	Disposal	Gap
2034.2 Kg e-waste were collected and transported to mainland for further recycling and disposal.	01	Collected and transported to mainland through authorised vendors	Nil

Hazardous Waste (HW)

Total Number of HW generating industries	Total HW generation	Quantity of Land fillable waste	Quantity of Incinerable waste	Quantity of Recyclable waste	Quantity of Utilisable waste	Gap
29	116.067 MT	Nil	Nil	Nil	Nil	All the generate waste transported to mainland through authorised dealers for recycling.

Air quality Management

No city in UT of Andaman and Nicobar Islands is listed in Non-attainment cities.

ANPCC Officials inspected the 45 Stone Crusher units of South Andaman District from 30-06-2023 to 04-08-2023, to verify/check the compliance of guidelines prescribed in the Hon'ble NGT order and EPA, 1986. Out of 45 SCUs operating in South Andaman District (Page No. 94/Cr, Flag-D) with the consent issued by ANPCC, it is found that three units namely Shri P Surya Rao (Protherpur), Shri Bishen Lal, (Sippighat) and Shri. Kuppuswamy, (Bimlito) were found closed completely. Out of remaining 42 SCU units, 35 Nos. of SCUs are complying all the norms during the inspection and remaining units 07 Nos. are non-complying with one or more conditions. Out of these 07 non complying units, 02 unit namely M/s Shyam lal, Brijgunj and Shri. Chellapan, Teylerabad are non-functional since last two years. Action is under process w.r.t non-complying units.

Industrial Cluster

No polluted industrial area has been identified by CPCB in the UT of Andaman and Nicobar Islands.

Regulating Sand Mining

- Illegal Sand Mining is very negligible and strict legal action is taken against the offenders by the Administration. Regular patrolling is done by the concerned departments for detecting illegal sand mining in coastal areas.
- The Deputy Commissioner (South Andaman District), The Deputy Commissioner (North & Middle Andaman District) and The Deputy Commissioner (Nicobar District) regulate mining activities in the UT of ANI. The sand mining in coastal areas (sea sand) is being regulated by Department of Environment & Forest, A&N Islands. There is a separate authority for management of coastal areas of the island namely Andaman & Nicobar Coastal Zone Management Authority (ANZMA) which also looks into matters related with sand mining in the coastal areas of the islands.

Industrial Pollution Control

STPs	
No. of industries which require STP	138
No. of Industrial having functional STP	129
No. of Industrial Unit not installed STP	09
ETPs	
No. of industries which require ETP	41
No. of Industrial having functional ETP	31
No. of Industrial not installed ETP	10
CETPs	
No. CETP in the Union Territory	Nil

IEC ACTIVITIES

The Information, Education & Communication (IEC) strategy was aimed to create awareness and disseminate information for enhancing waste management practices followed. The gist of events conducted by A&N Administration are summarized as under-

Capacity Building; Stakeholder Engagement and Exposure Visits

- Three days training program of PBMC officials on **Management of Material Recovery Facility** conducted- 06 PBMC officials participated
- One day training program of newly elected councilors and Sanitary Inspectors on **Integrated Solid Waste Management (ISWM)** were conducted- 14 Councilors participated
- Two days training program of Municipal Staff/sanitary workers on **Crate & NADEP Composting** were conducted-134 participants
- Two days Training program on **compost monitoring and testing for Urban and Rural Development staff** were conducted-- 135 participants from Urban & Rural Department participated
- 08 Councilors & 01 PBMC official Councilor exposure visit was conducted at Coimbatore including Chairperson, PBMC to understand SWM activities in Nov 2022



Councilor's exposure visit at Coimbatore



Training on Crate & NADEP composting for Organic waste

Awareness and Behaviour change campaign

- 1-Day Beach clean-up and IEC activities conducted on Earth Day on April 22, 2023
- Orientation Program in 15 schools were conducted with focus primarily on Hara Geela-Sukha Neela. A total of 4096 participants attended the program which featured 65 videos and 352 Artistic Contributions from Students
- Community meetings and workshops (07 meetings, 375 Participants)
- Celebration of International Day for Biological Diversity on 22nd May 2023 at Fish landing Centre, Dairy Farm-Under the 'Clean-up Port Blair Campaign'. A total of 53 persons attended the event.
- Celebration of International Environment Day at Junglighat Under the 'Clean-up Port Blair Campaign' A total of 25 persons attended the event.
- P BMC & GIZ in collaboration with ANPCC celebrated the International Plastic Bag free day with major focus on plastic reduction. A total of 50 persons attended the event.
- Workshop with Sanitary inspector and waste collector of Ward no. 14 and 7 (93 attendees). Do not throw waste in drain campaign was also conducted through initiative Hamara Nallah Hammara Zimmdari.
- Junglighat hotspot Action Plan Workshop was conducted with local community. A total of 86 persons attended the workshop.



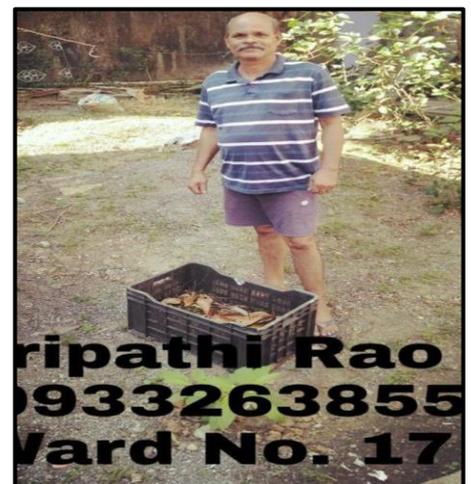
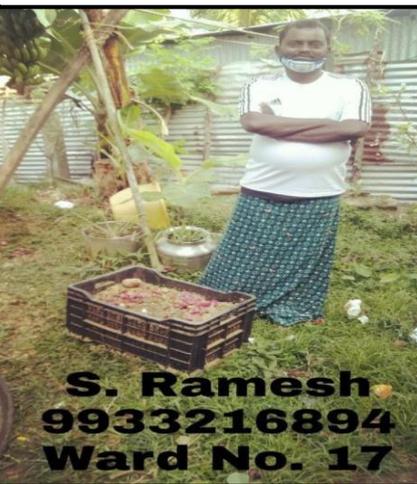
Zero waste event & Conversion of GVPs





Home Composting in the Wards and Distribution of Seeds in the Port Blair

- PBMC provided the seed to the households in collaboration of Agriculture Department thereby promoting the Home Composting at different words of the city.
- At present more that 10% of households of the city are doing home composting.



Other green initiatives

- Develop reporting system for clean-up of city on google sheet to PBMC-14 events other than GIZ (Started from International Coastal Clean-Up Day 17th Sep 2022)
- Ward Level Audit for Sanitation & SWM for Port Blair City- Competition was conducted by PBMC between the all 24 wards of Port Blair City for their practices in Sanitation & SWM and awarded as per their practices.
- Study for different stream of waste like; Fish Processing Waste, Coconut Shell Waste, Flower waste & Forest Waste Management-Study was conducted by PBMC and GIZ to understand the current scenario and its gaps in Fish Processing Waste, Coconut Shell Waste, Flower waste & Forest Waste management followed by recommendations.
- Study on Foreign Plastic at Beaches- Study was conducted by PBMC to understand the current scenario, type of plastic and major country for transportation.
- Stakeholder engagement for participation- Meetings conducted by PBMC with commercial units, communities, bulk generators and other departments, Resulted in participation of Dept of Fisheries, Dept. Of Tourism, ANIIDCO, Airport Authority, Dept of Transport & ANPCC
- City action plan towards organic waste management, identifying gaps, providing recommendations and a roadmap for implementation was prepared by PBMC.
- PBMC developed state strategy for management of organic waste in Urban and Rural area of Andaman & Nicobar Islands by GIZ India.
- PBMC and GIZ-India started to work on this issue and discussed with Fisheries department. Fisheries department supported on this issue and provided the space for establishment of Ghost Net Collection Centre. Department of Fisheries, PBMC and GIZ established a Ghost Net Collection Center at Junglight fish landing Centre on 20th December 2022. This initiative is designed to function on the tripod consciousness of 'Prevention, Mitigation, and Cure'. Ghost Net Collection Centre (GNCC) is a collection centre a place where fisherman community may deposit their waste fishing gears for further recycling and will not dumped at Seashore. This centre will run in collaboration with Port Blair Municipal Council, Fisheries Department, GIZ and Fisherman Community. The goals of this initiative, identifying and tackling the issues of ghost gear and other related threats to marine life in Andaman & Nicobar Islands by creating economic frontiers for coastal communities and harnessing collaboration with government and stakeholders on policy development and standard practice.



**Door to Door Mobilization
at Junglight Ward No.7 & 9**



- Eco-friendly Durga Puja was celebrated for reduction of Plastic & Waste. Port Blair Municipal Council organized a formal meeting with the Durga Puja committees of Port Blair in which the guidelines for an 'Eco-friendly Durga Puja Celebrations' were issued to all Durga Puja committees. Committees were directed towards reducing Single-Use Plastic (SUP), use of biodegradable material, generating awareness and reducing all forms of plastic and non-biodegradable waste. In all the puja venues throughout the Port Blair Municipal Area, announcements were continually being made to educate the people present at the venue and make them aware of objective and means to facilitate an eco-friendly celebration. There were three sites, Prem Nagar, Bengali Club and the Dairy Farm venues that displayed posters and stickers with information related to proper waste disposal, individual contribution to waste reduction and celebrating an eco-friendly Durga Puja. In order to increase participation of Puja committees in this initiative of PBMC and effective action, the Port Blair Municipal Council organized a competition for all the Durga Puja Committees of the Port Blair Municipal area, in 2022. 13 Durga Puja Committee participated in the competition out of which best 03 were awarded



- The Port Blair Municipal Council during the celebration event of International Coastal Clean-up Day on 09.06.2022 has conducted a Green Star Rating Hotel Competition in association with ANPCC & GIZ-India, Port Blair. The whole competition is divided into 06 major sectors viz., General information, Solid waste management, Liquid waste (sewage, sullage & septage) management, emission mitigation measures, Expenditures & Public awareness. Special focus is given to the reduction of single-use plastics, waste reduction measures and access to toilets for ladies and children, etc. A meeting with hoteliers of Port Blair was conducted on 29.10.2022 for participation & implementation of "Green Star Rating for Hotels" in the city. 06 hotels were participated in Green Star Rating initiative. 02 hotels won 05-Star rating, 03 hotels won 04-Star rating and 01 hotel won 03-star rating in the Green Star rating initiative.



- **WASTE CHARACTERIZATION STUDIES OF MUNICIPAL SOLID WASTE WAS DONE IN PORT BLAIR CITY BY PBMC**

Waste Characterization study at household's level were conducted by PBMC in collaboration with GIZ. Waste from total 90 households selected from three categories (HIG, MIG, LIG) in three different locations (Corbyn, RK Mission and Junglighat areas). Samples were collected daily for 8 days from all 90 households. Collected wastes were studied and sorted into 71 categories of effluents to obtain waste generation rates and household-level waste characteristics.

Waste quantification and Characterization study of non-households were done by PBMC. Waste from 05 shops, 01 Hospital, 03 dispensary, 02 restaurant, 03 hotel and 01 school and 02 office were characterized and examined.



Dumpsite Waste Study For the dumpsite area was done by PBMC and GIZ , 5 samples of each, around 100 Kg was selected from the five different waste transportation vehicles using quartering method. These samples were manually sorted in 71 different categories for waste characterization study.

SCHOOL ORIENTATION PROGRAM

PBMC Initiated focused activities with communities & schools through 'Plastic Lao-Uphar Pao' initiative was taken up to create awareness on waste management among school students and teachers. Awareness program was organized for fifteen schools under four cluster schools of Port Blair Municipal area. The program aimed to sensitize students in managing their waste at home and at school. Zero Waste at Schools is an awareness-based school program which was launched to reduce the amount of waste produced and disposed of by schools. The overall goal of the program was to raise awareness in students, teachers, and staff for waste management and how they can manage waste more responsibly. The fifteen schools were divided in to four groups. Each group of schools program considered as Small Event. During the program, we created awareness on waste, type of waste, reduce & reuse and segregation. SAT team performed Nukkad Nattak. Various competitions like video making, waste to wealth (making artistic item from waste) and plastic Lao thaila pao were made. A total of 4096 students and teachers were covered in the initiative. The artistic items made by students were exhibited and winner's videos were also screened during the event. 108 students were awarded for their performance in Video and Artistic. 475 Kg of Plastic collected through Plastic Lao thaila pao initiative.



RALLY CUM CLEAN-UP DRIVE AT JUNGLIGHT WARD NO 14

Community clean up drive was organised PBMC and GIZ India for students from Sagritara School on 02.11.2023, aimed to raise awareness about the importance of interning a clean and healthy

Community clean up drive was organised PBMC and GIZ India for students from Sagritara School on 02.11.2023, aimed to raise awareness about the importance of interning a clean and healthy environment. The students met at the school grounds before fanning out in Junglighat fish landing area and in the surrounding community.

The students interacted with members of the community, commercial establishment owners and fishermen, explaining the importance of keeping the environment clean and encouraging them to join the cleanup effort



BEACH CLEAN UP DRIVES



Glimpses of International Coastal Clean-up Day Activities



CleanUp Port Blair

On 17th September 2022, International Coastal Clean-up Day encourages people to rid beaches of garbage troubling beaches. Awareness is also spread about preserving and protecting the waterways. The trash in the water impacts the planet on many levels, including harming wildlife, humans impacting the livelihood of those who work in the ocean. It causes economic damage by affecting tourism and recreation and the money they bring into those communities that are on the seashore. The Port Blair Municipal Council (PBMC) In collaboration with GIZ India organised a coastal clean-up campaign on the occasion of International Coastal Clean-up Day at Brookshabd near Carbyn's cove under the campaign of Clean Up Port Blair.

Items	Quantities in KGs
Plastics	10.8
Cloths	58.8
Metal	11
Glass	6.8
Mix	07



#CLEANUPPORTBLAIR



CLEAN-UP DRIVE AT FISH LANDING CENTRE, JUNGLIGHT AT ON 12.03.2023

The Clean Up Drive was organized by PBMC under the Clean Up Port Blair. Various local NGOs and Volunteers participated in this Cleanup Drive. The Secretary, PBMC and Councilor, PBMC, Ward no. 14 was present during the clean-up. On the occasion of the clean-up, the Secretary, PBMC, briefed about the benefits of Waste Management and ill effects of discarding waste in drains. The Secretary further elaborated that the marine life is highly important to the human life and the environment, carelessly thrown waste damages it. Total 256.3 kgs of wastes were collected comprising of discarded nets, plastic bottles, glasses and mixed waste. The collected wastes were handed over to SLRMC.



AWARENESS RALLY CUM CLEANUP DRIVE AT FISH BOAT HARBOUR AREA, JUNGLIGHT

An awareness rally cum cleanup drive was organised at Fish Boat Harbour Area, Junglight on 02.04.2023

A Rally cum Cleanliness drive was organised at Fish Landing Centre (FLC), Junglight in association with PBMC and local NGOs such as Allu Arjun Army Andaman (AAAA), Andaman Helping Hands, A&N Islands (AHHANI), Sree Sakthivel Murugan Youth Club (SSMYC) and Youths (Volunteers).

This program focussed on fishermen, fisherwomen and Fishing Boat Owners to make them aware about Marine Litter and about various issues related to dumping wastes in marine environment. Wastes were collected in segregated manner. Totally 21 bags of wastes (168.3 Kgs.) were collected and handed over to the PBMC for disposal.



CLEAN-UP DRIVE ON CARBYN'S COVE

As a part of the project 'Cities Combating Plastic Entering the Marine Environment' three hotspots were identified in Andaman and Nicobar Islands at Junglight, Austinabad and RK Mission. A Clean-up Drive was organised at Carbyn's Cove on 28.04.2023 incorporation with PBMC and GIZ. More than 130 enthusiastic people participated in the clean-up from all the three hotspots i.e., Junglight, RK Mission and Austinabad. In this Clean-Up Drive, around 255.8 kgs of waste were collected in a segregated manner and transferred to SLRM Centre for further processing.



AZADI KA AMRIT MAHOTSAV, COASTAL CLEAN-UP HADDO

As part of Azadi ka Amrit Mahotsav a Mega Coastal cleanup was organized at Haddo under Clean-up Port Blair in collaboration with Andaman & Nicobar Administration, Port Blair Municipal Council (PBMC), Swachh Sagar Surakshit Sagar, Coast Guard, Andaman & Nicobar Pollution Control Committee (ANPCC), GIZ India & Andaman Bhojpuri Sangh. Nearly 781 kgs of wastes were collected during the clean-up. After the coastal cleanup, District Collector, South Andaman distributed cloth bags to individuals towards encouraging the use of cloth bags.



AZADI KA AMRIT MAHOTSAV COASTAL CLEAN-UP AT MAZAR PAHAD

Andaman and Nicobar Islands (A & N) comprises of several islands, islets and rocks. People who have inhabited these islands are generating waste, which enters the sea and gets accumulated in the coastal lines of A&N. As part of Azadi Ka Amrit Mahotsav, Coastal Clean-up was organized by the PBMC and GIZ India in collaboration with Swachh Sagar Surakshit Sagar Campaign, Clean- Up Port Blair at Mazar Pahad on September 10, 2022. More than 40 people participated in this clean-up drive including Ward Councilor. Totally 443.88 kgs. of waste was collected, comprising of clothes, metal, organic, plastic, tetra pack, etc.



Waste Arresting Screens installed at Mazarpahad Drains

INTERNATIONAL COASTAL CLEAN-UP DAY

The Port Blair Municipal Council (PBMC) in collaboration with GIZ India organized a coastal clean-up campaign on the occasion of International Coastal Clean-up Day on September 17, 2022. The activity was part of the campaign of Clean-Up Port Blair and Azadi Ka Amrit Mahotsav, commemorating 75th year of India's independence. The clean-up campaign was organized at Carbyn's Cove, near Brookshabad. During the cleanup, Mrs. Carla, Technical Expert, GIZ and Shri. Vijaykumar, Senior Sanitary Inspector, PBMC, Port Blair were present. International Coastal Clean-up Day encourages people to get rid of garbage that are troubling the beaches. Awareness was also spread about preserving and protecting the waterways. The trash in the water impacts the planet at many levels, including harming wildlife, humans impacting the livelihood of those who work in the ocean. It causes economic damage by affecting tourism and recreation and the money they bring into those communities that are on the seashore. During the cleanup drive, plastics, metals, glasses, clothes and others were collected.



AWARENESS PROGRAM AT AUSTINABAD 07.12.2022

Port Blair Municipal Council (PBMC), GIZ and CPREEC organized an awareness program on waste segregation at the source level for the community people of Austinabad. This program was held at the Hall of Muthumari Amman Temple, Austinabad under Cities. Combating Plastic entering Marine Environment. Mrs. V. Pandi Selvi, Ward Councillor, PBMC was the Chief Guest during the program. Mrs. V. Pandi Selvi appealed to the people to properly segregate the waste and hand it over to the sanitary workers as a part of Swachh Bharath Abhiyan. The Swachhta Awareness Team demonstrated how to segregate the waste at home for the gathering.



STATE LEVEL GUIDELINES PREPARED

Developed Guidebook for the Tourism Sector to Combat Marine Litter in association with Tourism Department

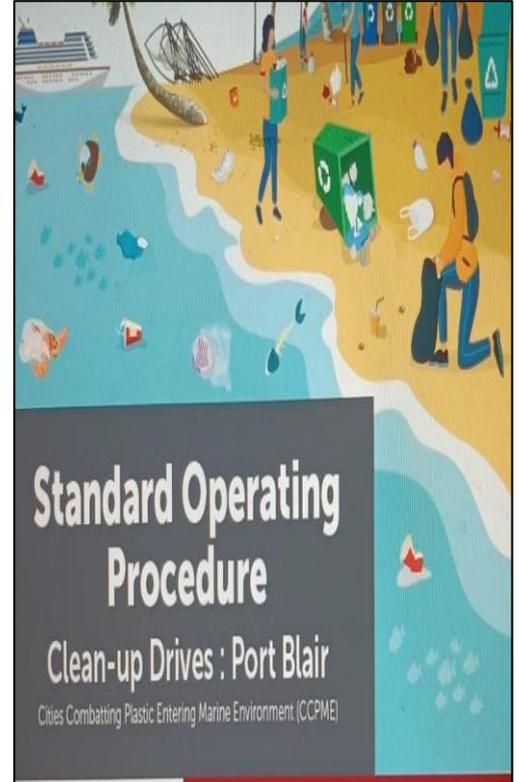
Developed Standard Operating Procedure for Clean-up Drives: Port Blair

Foreign Plastic Study conducted (13 country plastic found at beaches and major contributor countries are Indonesia, Malaysia, Thailand, Myanmar, Bangladesh & Singapore)

Develop an action plan for Single Use Plastic and for reduction of plastic in consultation PBMC & ANPCC



Guidebook for Tourism Sector



CITY LEVEL STRATEGY FOR ORGANIC WASTE MANAGEMENT

- Action plan for **Organic waste** management initiated by by PBMC. Completed the analysis of the existing situation, recommendations and Roadmap. Developed Crate composting and concept for NADEP composting. Conducted Study for different stream of waste like; Fish Processing Waste, Coconut Shell Waste, Flower waste & Forest Waste Management. Completed Feasibility study for Fish waste & Fish Processing waste. Conducted study for different stream of waste like; Fish Processing Waste, Coconut Shell Waste, Flower waste & Forest Waste Management



**Crate Composting orientation
at Households of Junglighat**



**Crate Composting orientation at Households of
Junglighat**

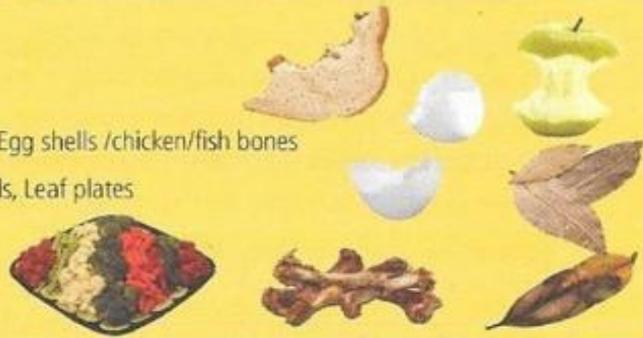
IEC material for propagation

WASTE SEGREGATION GUIDELINES



Organic/Wet waste

Vegetable/fruit peels , Cooked food/leftovers, Egg shells /chicken/fish bones
Rotten fruits/vegetables, Tea bags/coffee grinds, Leaf plates
Fallen Leaves/twigs, Flowers/garlands, Grass



Dry waste

Plastic - Carrybags, Chips/toffee wrappers, Plastic cups, Milk/curd packets, Packaging waste
Paper and cardboard
Metal & Glass
Other dry waste -Rubber/thermocool , Ceramics/ wooden Chips



Domestic Hazardous waste

Sanitary waste - Diapers/sanitary napkins/ condoms *
Medical Waste such as needles, expired medicines, bandages
Bulbs/tube lights/CFLs
Discarded paint drums/ pesticide cans

*Wrap it in newspaper and give to the collector separately



Please separate the waste as shown above and give it to the collector. Collector will not collect mix waste any more.
Do not throw waste on the roads and litter in public places.

For more details contact:

Helpline:

Reduce

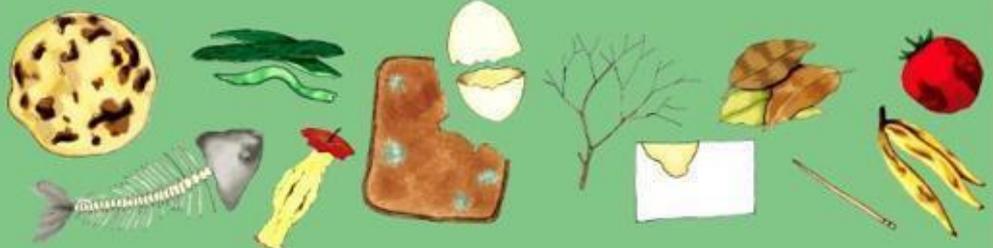
Reuse

Recycle

WASTE SEGREGATION GUIDLINES



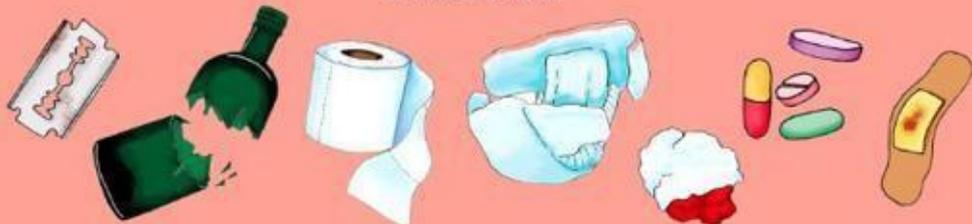
Vegetable/ Fruit peels, Cooked food/ leftovers, Egg shells
Chicken/ fish bones, Rotten fruits/ vegetables,
Tea bags without cover, coffee grinds, leaf plates , Fallen leaves
twigs/ flowers /garlands, Grass.



Plastic- Carrybags, Chips/ toffee wrappers, Plastic, Cups,
Milk/ Curd packets, Packaging waste, Papers and cardboard,
Metal & Glass
Other Dry Waste- Rubber / thermacol, Ceramics/ Wooden chips.
E-Waste- Bulbs/ tube lights/ CFLs+ Electronic items.



WRAP IN NESWAPAPER & GIVE
Sanitary waste - Diapers / Sanitary napkins/ Condoms
Medical Waste such as needles, expired medicines, bandages
Discarded paint drums / pesticide cans
Broken Glass



Please separate the waste as shown above and give it to the collector, Collector will not collect mixed waste .
Do not throw waste on the roads and litter in public places.

For More details contact:

Helpline:

Reduce

Reuse

Recycle



SINGLE USE PLASTIC AWARENESS PROGRAMME CONDUCTED AT VARIOUS PLACES



SUP awareness programme, cloth bag distribution at Bathubasthi Market area on 23.12.2021



SUP awareness programme, cloth bag distribution at Bathubasthi area on 23.12.2021



SUP awareness programme, cloth bag distribution at Chouldari Sunday Market area on 27.03.2022



Door –to-Door campaign on elimination of single use plastic at Mohanpura Market area, cloth bag, broucher distributed on 01.05.2022 in association with the students of Unnat Bharat Abhiyan JNRM



Awareness on ill effects of Single Use Plastics done at Junlighat Sunday Market on 17.04.2022, in association with the students of Unnat Bharat Abhiyan, JNRM



Awareness on ill effects of Single Use Plastics conducted and distributed cloth bag, broucher at Junlighat Sunday Market on 17.04.2022, in association with the students of Unnat Bharat Abhiyan, JNRM



Awareness on ill effects of Single Use Plastics created and cloth bag. Distributed broucher at Junlighat Sunday Market on 17.04.2022, in association with the students of Unnat Bharat Abhiyan, JNRM



Awareness on ill effects of Single Use Plastics created, Staged street plays on 17.04.2022, in association with the students of Unnat Bharat Abhiyan JNRM



Creating awareness on ill effects of Single Use Plastic 'Udbhav' – an exhibition on alternate to Single Use Plastic items and SUP awareness Poster released by Secretary S&T on 08.07.2022- 12.07.2022



Creating awareness on ill effects of Single Use Plastic 'Udbhav' – an exhibition on alternate to Single Use Plastic items on 08.07.2022- 12.07.2022



Creating awareness among school children about harmful effects of Single Use Plastics, cloth bag and SUP awareness poster distributed at Govt. SSS Champin, Nancowrie on 30.08.2022



Creating awareness among school children about harmful effects of Single Use Plastics, awareness film screened at Govt. SSS Champin, Nancowrie on 30.08.2022



Single Use Plastic Awareness Programme at Kamorta Govt. Sr. Sec School, Goal Tikry Kamorta Cloth Bag distribution at Kamorta, 29.08.2022



Single Use Plastic Awareness Programme at Kamorta Govt. Sr. Sec School, Goal Tikry Kamorta, awareness film screened at Kamorta on 29.08.2022



Single Use Plastic Awareness Programme SUP awareness poster distributed at Kamorta Govt. Sr. Sec School, Goal Tikry Kamorta, 29.08.2022



Single Use Plastic Awareness Programme SUP awareness poster distributed at Kamorta Govt. Sr. Sec School, Goal Tikry Kamorta, 29.08.2022



Cloth Bag distribution at Munak Island, Kamorta, on 31.08.2022



Single Use Plastic Awareness Programme SUP awareness poster fixed at Munak, Kamorta, on 30.08.2022



Single Use Plastic Awareness Programme SUP awareness poster fixed at Hithui island at Kamorta, on 31.08.2022



Single Use Plastic Awareness Programme SUP awareness poster handed over to Assistant Commissioner, Kamorta, on 30.08.2022 for wide publicity



37th International Coastal Cleanup (ICC) Day with the theme “Swachh Sagar, Surakshit Sagar”, “Clean Coast, Safe Seas” on 17 September 2022. Cloth bags were distributed at Carbyn’s cove beach on 17.09.2022.



Hording display for public at Goalghar Junction and Bengali Club Junction.



Awareness Speech on SUP by Director S & T on AIR NEWS



Awareness Documentary Film on the topic SUP Screened on Doordarshan, Port Blair