



सत्यमेव जयते

1186

**COMPLIANCE STATUS OF HON'BLE NATIONAL GREEN
TRIBUNAL DIRECTIONS IN O.A. NO. 606 OF 2018**

29.09.2022

**Presented By :
Chief Secretary**

Andaman and Nicobar Administration

Section – I: SOLID WASTE MANAGEMENT

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	60	58.2	1.8	1.8
02	70 Gram Panchayat	3.2	3.2	0	0

Sl. No.	Name of the Municipality	Gap in waste processing (TPD)	Action Plan	Technology	Sources of Fund	Time Taken	SWM ₁₁₈₉ Compliance after completion
01	Port Blair Municipal Council	1.8	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%

Sl. No.	Name of the Municipality	Gap in waste processing (TPD)	Action Plan	Technology	Sources of Fund	Time Taken	SWM Compliance after completion
02	70 Gram Panchayat	0	SWM complied	Collection, Segregation and disposal.	-	-	-

Disposal of Legacy Waste

Dumping Site	Technology Used	Legacy Waste (Tons)	Quantity Removed (Tons)	Total area of the dump site	Area Reclaimed	Timeline for completion
<u>PBMC:</u> Brookshabad						
	Bioremediation	1,00,000	In process	3 Acres	In process	Jan, 2023
<u>Panchayats:</u> 10 Locations						
	Bioremediation	18.84	18.84	10 Hect.	-	Completed

Best Practices in SWM of Andaman & Nicobar Islands

- In Urban area of ANI, around 60 tons per day and in rural area 3.2 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.
- Decentralised composting units for wet waste, Solid & liquid Resource Management centre (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 tonnes 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.

- 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 Centres 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 component of the assessment.

Way Forward:

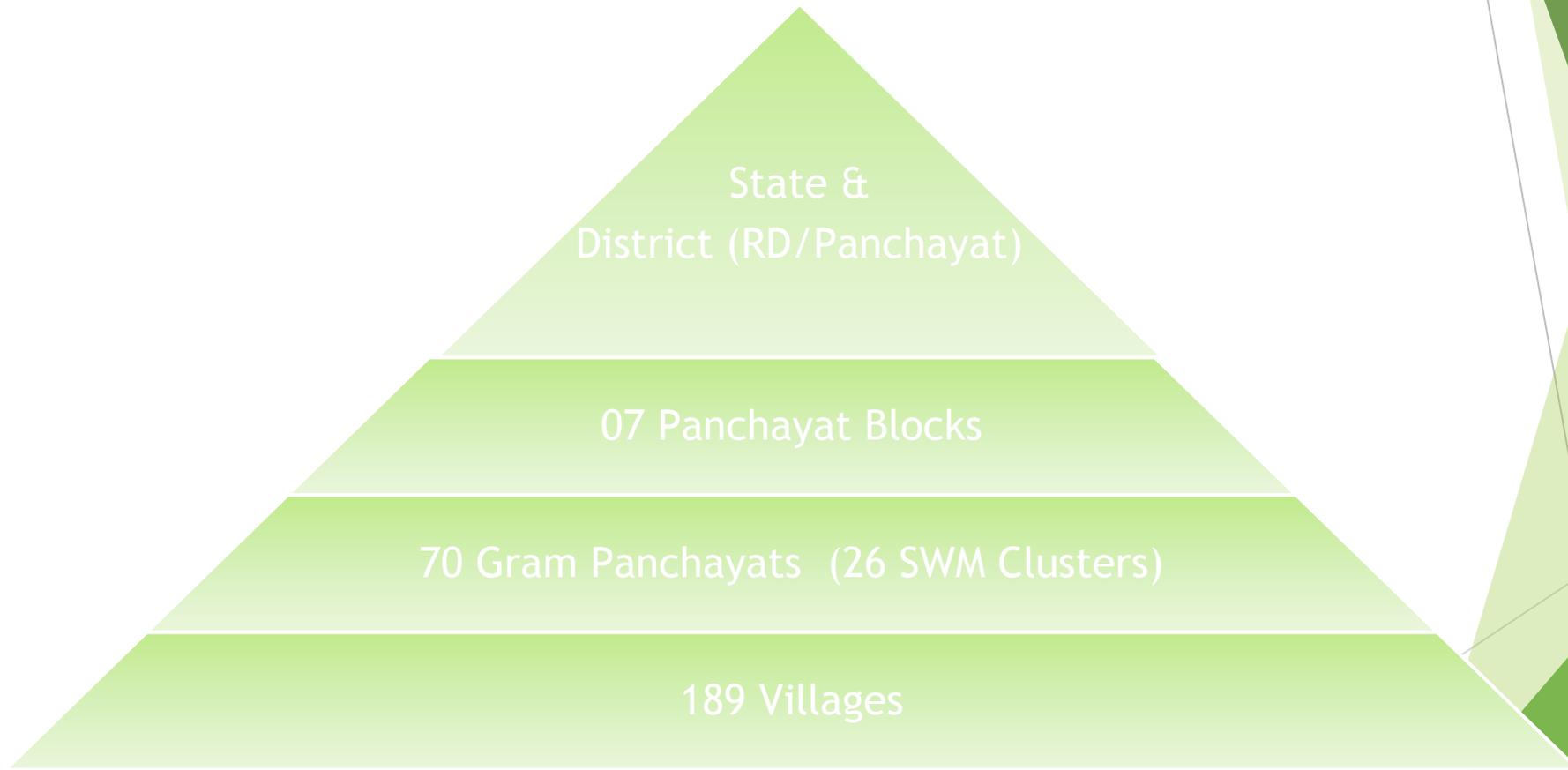
- Regular awareness programs on management of waste and use of available technologies for disposal of waste generated at source level are organised by various department of A & N Administration. Administration is adopting zero waste policy in decentralized manner in scattered islands of ANI, to make zero waste generation in these islands.
- Installing the Screens/Net on Drains of Port Blair.
- In collaboration with Fisheries Department & GIZ establishing a Centre for Collection of Fishing gears and further recycling (Ghost gear is estimated to make up 10% of the plastic waste in our oceans).
- Establishing Mechanical Material Recovery Facility at Brookshabad.

- For reduction of plastic in the event, PBMC announced Green Marriage concept.
- Developing a Guidebook for Tourist and Auto Taxi operators Promotion of Local compost “ANSH-Andaman & Nicobar Soil Conditioner to increase Humus”.
- Establishing Unit for Coconut waste processing.
- Conducting Green Star Rating for Hotel & Restaurants.
- Market linkages & coordination meetings with waste buyers, bulk recyclers and recycling industries and listing of Bulk waste generators of the city, to ensure management of Organic waste in their premises, 03 BWG are doing composting at their facility.
- Report data on recycling and reuse quantities of plastic and non-biodegradable waste to state-level authorities in line with national reporting standards.

Monitoring mechanism

1. Andaman & Nicobar State Water and Sanitation Mission Committee have been constituted to review the implementation of Solid Waste Management.
2. District water and Sanitation Mission Committee has been constituted to review the implementation of Solid Waste Management in District level.

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



Section – II: SEWAGE MANAGEMENT

SEWAGE MANAGEMENT

Sewage Generation

Name of the ULBs and Rural bodies	Sewage generated MLD	Available Sewage Treatment Plant MLD	Gap in Treatment (MLD)
PBMC	19.2	2.303	16.897
Panchayats	2.55	Nil	All the sewage generation is treated through pre-captive septic plant. Hence No gap.

Strategy to bridge the Gap in Sewage Treatment

Name of the Municipality	Gap in Treatment (MLD)	Action Plan to bridge the gap
PBMC	16.897	<ul style="list-style-type: none">• Work order for 03 decentralized STPs of capacity 9.76 MLD has been awarded and work is under process and will be completed by 31st August, 2023.• DPR for establishing STPs for treating 18.24 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.

Meeting the gap in Household connectivity

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 MLD 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.

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

- Promoting the Home Composting at different wards of the City.
- At present more than 10 % of households of the city are doing home composting
- PBMC provided the seed to the households in collaboration of Agriculture Department



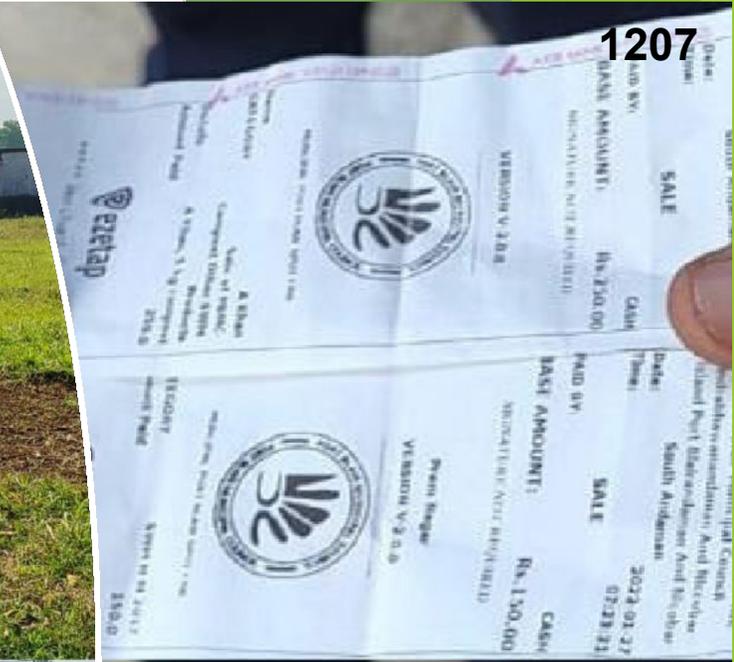
IEC awareness in the Market & Commercial area by Swachhta Awareness Team (SAT) on 02.10.2021

Dedicated Swachhta Awareness Team (SAT) and other local dance group conducting the awareness among the commercial area/shopkeepers and citizens of Port Blair



Composting at Sanitary Office/wards in the city by Sanitary Staff

- Composting at different Sanitary offices
- Use the compost in cropping at their office
- Sale the compost to customer for their use
- Reduce the cost of Transportation
- Decentralized waste management of organic waste
- 23 decentralized composting unit operated by 19 sanitary offices through sanitary inspectors



Port Blair, Andaman and Nicobar Islands, India
Khaitan Kalyana Mandapam Parking Ground, Junglighat, Port Blair, And
744103, India
Lat 11.663205°
Long 92.730767°
05/01/22 01:08 PM

Privately Owned Animal Feed Systems for Commercial Organic Waste

The owner also stated that the piggery is a profitable venture where the main source of revenue is pork which is bought directly from the farm at Rs 350/kg. There are no transportation or market rental costs as the meat is sold directly from the farm. The sale of vegetables and fish from the ponds are additional source of revenue.

Sl. No.	Location	No: of pigs		Quantity of waste processed
1	Lal Mitti	Approximately 80 pigs	adult	1.5 TPD
2	Manglutan	66 adult pigs		330 Kgs per day
3	Brookshabad	500-700 adult pigs		2TPD

Recycling of waste cardboard/paper generated in PBMC area

1209

- Sri Makaabha Paper Products Pvt Ltd is the only waste paper/cardboard recycling unit for Paper and Cardboard waste in the Andaman & Nicobar Islands State
- Set up in the year of 2020
- Plant capacity- Produce 5 to 10 tons per day of fine paper
- May be used locally and benefitted for Andaman in the form of like; Paper, Paper bags, Paper plates, cup & straw which may resulted in the reduction of Plastic uses & plastic waste generated in the city.
- PBMC promoting this industry and providing waste cardboard and paper
- Reduction in Transportation cost to mainland



IEC through Local NGO (Muthu foundation) on 25.01.2022

- The poster and IEC developed by Local NGO Muthu foundation with their own funds for IEC in commercial area and one ward, major focus and intervention.
- Provide the bylaws in IEC poster through QR code
- One to One Interpersonal Communication (IPC) in the ward for waste segregation & management





Awareness workshop among the MBBS²¹² students in Andaman & Nicobar Institute of Medical Science on 27.10.2021

- Organised an orientation workshop for MBBS student in Andaman & Nicobar Institute of Medical Science for waste management in their campus
- Waste segregation
- Segregated collection of bio medical waste
- Composting of organic/food their canteen waste at their campus
- Reduction of waste
- Separate collection of dry waste of campus and directly handover to SLRM centres
- Organise awareness and IEC campaign in the hospital & campus





Meeting with Volunteers involvement in¹²¹³ waste management of city on 03.01.2022 at Auditorium, PBMC

Organised an orientation workshop for volunteer groups under the chairmanship Joint Secretary, PBMC focusing on

- Waste segregation
- Promotion of Swachhta App
- Composting of organic/foods waste at Households level
- Monitoring of sanitation activities
- PBMC developed a format for volunteers for monitoring in the city





Waste to Wonder Park inaugurated by Secretary, PBMC on 20.01.2022

Description of Waste Resource used in WASTE TO WONDERS Selfie Point:

- Plastic materials: 150 Kg
- Wooden: 70 Nos. of pallets
- Rubber: 16 tyres & Cable tubes- 80 Kg (Approx.)
- C&D waste: 1 ton (Approx.)
- Fruit Trey: 18 piece
- Bear Bottle empty: 150 Nos. (Approx.)
- Waste Thermo col: 7 piece
- Flex banner waste: 4 Nos.
- Coconut log waste: 1 tree log
- Beetlenut log waste: 3 trees (Approx.)

Dignabad GVP transformation into selfie Point at Marine Hill Port Blair

- Use of recycled material
- Stop the dumping of waste at Sea shore
- Developed as Tourist place

Port Blair, Andaman and Nicobar
Unnamed Road, 744104, Marine Hill, Port
and Nicobar Islands 744104, India
Lat 11.676282°
Long 92.741574°
11/01/22 08:35 AM



School awareness programme

School awareness programme conducted by PBMC Swachhta Awareness Team (SAT) in different school of the city focusing on

- Sanitation & Hygiene
- Waste segregation
- Dry Waste Management
- Wet Waste Management



1st time competition for Hotels and Restaurants in Port Blair, Andaman and Nicobar Island (Jan, 2022 to march, 2022)

Ist time competition for Hotels and Restaurants in Port Blair, Andaman and Nicobar Island in collaboration with PBMC and Andaman and Nicobar Pollution Control committee (ANPCC) (Jan, 2022 to March, 2022)



- Green Star Rating for hotels
- Sanitation & Hygiene
- Dry Waste Management
- Wet Waste Management
- Liquid Waste Management
- Hazardous Waste Management
- User Charges
- IEC & Awareness



Printed Register for Inflow and Outflow of¹²¹⁸ recyclable material

Register for SLRM inflow & outflow waste focusing on 71 type of waste stream which may be report at National Dashboard and improving the data management at SLRM centres of Port Blair Municipal Council

- Improvement in Data Management
- Improvement in reporting data
- Proper daily record management
- Awareness of waste streams

Play of Swacchta Antham in Ferries

- In Port Blair, there is an important mode of transportation to different islands is Ferry which is also used by Tourists
- PBMC requested to Ferry association to display and run the Swacchta Antham during travel regarding the awareness among the citizens and tourist


 No.: 106/EE-III/SWM/MC/2020-21/150
 नगरपालिका परिषद् का कार्यालय
OFFICE OF THE MUNICIPAL COUNCIL
 पोर्ट ब्लेयर
PORT BLAIR

Port Blair, dated 02.02.2022

To, The President
Association Private Cruise/Ferry Boat Owner
Port Blair

Sub: Requesting to play/ displayed the Swachhata anthem - "Har Dhadkan Hai Swachh Bharat Ki"-reg.

Dear Sir,

As the country is celebrating Azadi Ka Amrit Mahotsav (AKAM) and in order to sensitize and to take ownership by the citizens for maintaining the cities nationwide clean, green and hygiene; certain activities have been assigned to undertaken on a theme of "Har Dhadkan Hai Swachh Bharat Ki", which is aimed to popularise the Swachhata anthem among citizens.

You are requested to play this anthem in the larger public interest at various public places/ public transport and other similar places, etc. the link & QR-Code of the song is given below, for kind reference and to download the Swachhata anthem.


<https://www.youtube.com/watch?v=9MYhOKsh7Ds>

With Warm Regards,

 Joint Secretary,
 Municipal Council

Copy to:
 1. PA to Secretary, PBMC for kind information of Secretary, PBMC.
 2. The Superintending Engineer, PBMC for information.

Joint Secretary,
 Municipal Council

Best Practices of Port Blair Municipal Council (PBMC)

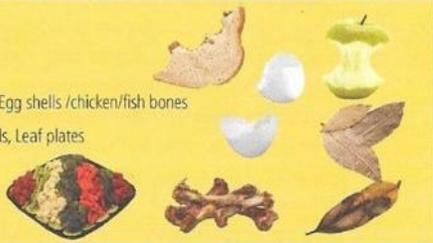


WASTE SEGREGATION GUIDELINES



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/thermacol , 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 GUIDELINES



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





Thank
You