

**PORT RECEPTION PLAN / STANDARD OPERATING
PROCEDURES OF WASTE RECEPTION FACILITY**



NEW MANGALORE PORT AUTHORITY
2022

Updated on 2023

INDEX		
Serial NO.		Page No.
	Abbreviations	1
A	Introduction	2
B	Objective	3
C	Purpose	4-5
D	Policy framework at international and national level	6
	1. MARPOL:	10
	2. The Hazardous and other Wastes (Management and Trans-boundary Movement) Rules, 2016.	1
	3. D.G Shipping	12
E	IMO Guidelines on Port Reception Facilities	21
F	Flowchart	22
G	Vessel	23
H	Shipping Agents	25
I	Port Reception Plan at New Mangalore Port	28-30
J	Classification of Hazardous waste and method of disposal	31
K	Description for Shore Reception Facilities at NMPA	31-32
L	Summary of Standard Procedures for Port Reception facilities and good practices	32
	1. Standard Operating Procedure for Daily clean-up of Port waters & Disposal of Recovered Oil from Oil Spill incident in port limit.	32-34
	2. MARPOL ANNEX-I	
	i. Coastal Vessels - Reception and disposal of Slop/Bilge Oily Water/Ballast Water Containing oil at 500KL Reception Tank at NMPA	34-36
	ii. Foreign Vessels - Reception and disposal of Slop/Bilge Oily Water/Ballast Water Containing Oil at 5000KL Reception Tank at NMPA.	36-39
	iii. Coastal Vessels - Reception and disposal of Sludge/Waste Oil by the Authorised KSPCB Road Tankers at NMPA.	40-41
	iv. Foreign Vessels - Reception and disposal of Slop/Bilge Oily Water/Ballast Water Containing Oil at 5000KL Reception Tank at NMPA.	41-42
	3. MARPOL ANNEX-II Standard Procedure for disposal of Noxious liquid substances / liquid chemicals from vessel visiting New Mangalore Port.	43

	4. MARPOL ANNEX-IV Standard Procedure for disposal of Sewage from the vessel at New Mangalore Port.	44
	5. MARPOL ANNEX-V i. Standard Procedure for Collection, Segregation and Disposal of vessel generated garbage at New Mangalore Port Authority.	45-46
	ii. Standard Operating Procedure for Collection and disposal of used cooking oil, Fishing Gear, Expired Medicine, waste, used batteries at NMPA.	46-47
	6. Paper Conversation	48
	7. List of International & Local legislation	48
APPENDIX 1	Format for reporting alleged inadequacies of Port Reception Facilities	49-51
APPENDIX 2	Standard format for the waste delivery receipt.	52
APPENDIX 3	Certificate, Work Order, Permission letter of authorized vendor	
	Annexure -I Certificate of KSPCB Authorization of New Mangalore Port Authority	53-81
	Annexure II Permission for Noxious Liquid from cargo receiver	82-87
	Annexure III Permission Certificate for collection and disposal of garbage	88-125
	Annexure-IV Port Reception Facility for Treatment of Sewage from Ships	126
	Annexure -V DG Shipping order circular for Sawchh Sagar Portal	127-137
APPENDIX 4	List of the vendors for utilizations backup facilities	136-150

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ABREVIATIONS

NMPA	:	New Mangalore Port Authority
EGCS	:	Exhaust Gas Cleaning Systems
GISIS	:	Global Integrated Shipping Information
IMO	:	International Maritime Organization
MARPOL	:	International Convention for the Prevention of Pollution from Ships
MEPC	:	Marine Environment Protection Committee
NGOs	:	Non-Governmental Organizations
ODS	:	Ozone Depletion Substances
OILPOL	:	International Convention for the Prevention of Pollution of the Sea by Oil
PRF	:	Port Reception Facility
PRFD	:	Port Reception Facility Database
PSC	:	Port State Control
PWHP	:	Port Waste Reception and Handling Plan
RRFP	:	Regional Reception Facilities Plan
UNCLOS	:	United Nations Convention on the Law of the Sea
KSPCB	:	Karnataka State Pollution Control Board
ETP	:	Effluent Treatment Plant
PPM	:	Parts Per Million
SOP	:	Standard Operating Procedure
NRV	:	Non Return Value
HWM	:	Hazardous Waste Management
OCM	:	Oil Content Meter
CPCB	:	Central Pollution Control Board
MPCB	:	Maharashtra Pollution Control Board
MCC	:	Mangalore City Corporation
DGS	:	Directorate General of Shipping
SOLAS	:	Safety Of Life At Sea

A. INTRODUCTION:

New Mangalore Harbour Project was formally inaugurated by the former Prime Minister of India, Smt. Indira Gandhi on 11th January 1975. Later, by 1980, New Mangalore Port Authority was formed to manage the functions of the port. Presently, the port is equipped with 14 meters draft, 16 berths, 68.90 million metric tones capacity as well as excellent road and rail connectivity. NMPA is a fast growing port in the west coast of India. The year 2018-19 has witnessed several achievements of the port. All time high traffic throughput of 42.51 million tonnes with 1.08% growth over previous year. The container traffic is showing upward growth of 13.95 % over previous year. The Port is blessed with 3 different railway lines and 3 national highways which connect the port to the hinterland. Moreover, the Mangalore International Airport (IXE) is located 13 kilometers (15 minutes) away from the port.



What is a Port Reception Facility (PRF)?

PRF is anything which can receive shipboard residues and mixtures containing oil, noxious liquids or garbage or any other waste identified in MARPOL Annexes. Type and size of such facility depend on the needs of the ships visiting a port. It can be a simple garbage bin, barrels for sludge or large storage tanks for reception of residues and mixtures containing oil or noxious liquids (MEPC, 2014).

From another point of view, Reception Facility refers to any fixed, or mobile facility capable of receiving MARPOL residues and wastes from ships, fit for that purpose (MEPC, 2018).

B.OBJECTIVE:

The Objective of the plan is:

- To establish organizational requirements of notification, delivery and reception of ship-generated waste and cargo residues and availability for 24X7 and use of the reception facilities provided for ship-generated waste and cargo residues.
- to dispose of waste so as to minimize negative environmental impact

- to provide knowledge and awareness best practices of waste management
- to fulfill New Mangalore Port's obligations & Compliance with regard to waste management
- to adopt a system from user point to disposal end.

Background

Even though accidental marine pollution still attracts public attention, operational pollution by illegal discharges into the sea can also be a major contributor of marine pollution by ships. Protection of environment is a matter of concern all over the world. The concern is no more limited to national boundary due to the fact that environmental pollution is a trans boundary problem. Oceans and air are the two most important media for this trans boundary nature of pollution. One of the highest priorities on IMO's agenda is the control of pollution caused by shipping. Waste reception facilities in ports are the sine qua non for ships to prevent disposal of ship generated wastes at sea. From this point of view it is a prerequisite element to ensure the implementation of the MARPOL 73/78 Convention. Even on short trips, ships build up a surprising amount of waste that has to be stored on board until the next port of call and in the present situation environmental awareness, the way in which this waste is handled at the destination port is extremely important. Today, there is much national, regional and international legislation setting down rules on the correct processes. Marine littering will affect the aquatic biota and causes unaesthetic condition of Ocean.

C. PURPOSE

- This Plan is intended for use by all vessels, regardless of size, which call at New Mangalore Port, shipping agents, port users and those in a position to assist in the arrangement of waste disposal from ships.
- The Plan aims to bring to the attention of port users the waste disposal facilities available at New Mangalore Port and the responsibility of port users to ensure that the ships take benefit of the reception facilities, complying with laid down procedures and regulations.
- It is also intended to assist waste contractors operating within the jurisdiction of the port and employed to remove waste from vessels.
- The primary purpose is to encourage the regular disposal of vessel-generated wastes according to Hazardous & Other waste Management rules 2016 and Solid waste Management rules 2018, for the sustainable environment.
- To improve existing port waste facilities by streamlining and analyzing them, to the requirements of the users, through regular consultation and meeting.
- The Plan also defines procedures that will ensure that waste reception facilities are adequate to meet the needs of ships requirement for disposal without causing undue delay.

Mandatory Discharge

All vessels MUST discharge ship-generated waste before leaving the New Mangalore Port unless it can be demonstrated that ship storage space for waste is sufficient. If retaining waste on board, a legitimate reason for not use to avoid Marine pollution at sea.

Audit & Review Plan

Review of the Waste Management Plan will be carried out at least every three years as per guidelines issued by DGS. The frequency for review will be yearly, conducting the assessment based on the procedure given in the Appendix of "Guidelines for ensuring adequacy of Port Reception Facility" MEPC 83 (44) and also will involve

consultation with representatives of the port users, regulatory authorities and other concerned bodies. The above should ensure a full paper trail of all waste landed from vessel to final disposal and be available to inspection at any time.

Awareness & Training Programme on Waste Management Plan

Awareness programme on waste management, environment management & protection, shall be arranged for different levels of the staff on a regular basis and updated amendments or Regulation of MARPOL 73/78, Solid waste management Rules 2016 and Hazardous & Other Waste Management Rules 2016, Air Pollution Act 1981 & Water Act 1974 .

The training will enhance the awareness on Port Reception Facility. Representatives of the various groups of port users, including shipping agents, waste handlers shall be trained on NMPA waste management plan and facilities available for Port Reception Facility. In house trainings were also carried out for familiarization on waste collection, segregation , usage of PPE, Transportation & final disposal of waste under the Swachh Bharath Programme.

Information on Port reception facility available is given by the pilot **on arrival** and also displayed in the NMPA website . The Feedback Form on PRF shall be taken from the Master of the Vessel visiting to New Mangalore Port for improvement.





16. Regular training to staff to generate awareness and Inculcate the importance of a clean environment



Awareness programme on the occasion of Swachhata Pakhwada

A signage for the Port reception facility

The Port has display the information of waste reception facility in the NMPA website and displayed the notices and direction labeling inside the Port premises. Signage for minimizing the garbage is display in public area like canteen, staff common area and offices, port entrance, cruise terminal, working area.

Harit Sagar” – Green Port Initiatives-

The aim is to position Major Ports as hubs of economic growth and development in a sustainable manner which has to be achieved through optimization of Port Procedures, inducting Green Technologies, reducing wastages, taking steps for reducing the Carbon Intensity per unit of cargo handled and initiatives for achieving the de-carbonization benchmarks set out in the Government’s Panchamrit Commitments.

As part Implementation of Harit Sagar guidelines , Annexure –C for -Environment performance indicator (Waste Management) to updated as per the format mentioned below Table:

Sr. No	Waste Type	Source of Generation	Qty Generated in MT in last FY	Quantity Disposed off in MT in Last FY	Quantity Remaining in MT	Permissible limit , if any
1	Hazardous Waste					
2	E-waste					
3	Solid Waste					
4	Plastic Waste					
5	Battery Waste (in Nos)					
6	Bio Medical Waste					

Anchorage:

Vessels called at NMPA anchorage can also avail Port Reception Facility is also available 24/7 subject to the arrangement by the Shipping agent.

Oil residue (sludge):

Is the waste form the purification of fuel or lubricating oil or separated waste oil from oil water separators, oil filtering equipment or oil collected in drip trays, and waste hydraulic and lubricating oils.

Sludge:

Sludge is generated in a fuel of lube oil purifier, which centrifuges the fuel to separate these impurities. Oil tank washings (slops) are generated when oil cargo tanks are cleaned with water. They are a mixture of oil, water and dispersants.

Sewage:

Sewage is defined as drainage and other wastes from any form of toilets and urinals; drainage from medical premises (dispensary, sick bay, etc.) via wash basins, wash tubs and scuppers located in such premise; drainage from spaces containing living animals; or other waste waters when mixed with the drainages defined above (IMO, 2006b). This is generally referred to as 'black water'.

Food Wastes:

This as any spoiled or unspoiled food substances and includes fruits, vegetables, dairy products, poultry, meat products and food scraps generated on board ship, However, on-board of large vessels (cargo and cruise ships) a distinction is sometimes made between soft organic food waste (peels, leftovers, etc.) on the one hand and hard organic (bones) and packaging on the other.

Incinerator Ashes:

Ships can be equipped with incinerators to burn sludge, domestic, operational waste and other types of waste.

Plastic waste:

Plastic waste can be generated in all types of vessels and often originates from domestic provisions and supplies used for operations on board the ship. Plastic waste typically comprises sheets, wrapping, bottles, drums, synthetic, ropes, synthetic fishing nets, plastic garbage bags and empty chemical cans.

Cooking Oil:

Cooking oil waste is generated on-board during food preparation and is generated on most types of vessels.

Ozone Depleting Substances:

Ozone depleting substances are used on-board ships in air conditioning appliances or cooling equipment on reefers. They can also be contained in mobile equipment (fridges, mobile air conditioners).Ozone depleting substance waste is generated on different types of vessels, depending on the presence of appliance and technologies that emit this type of waste. Ozone depleting substances which are released to the atmosphere during leakages cannot be collected. The major source of non-controlled ozone depleting substance waste is in broken mobile equipment that the ship wants to deliver to PRF

Sediments: Sediments which are settled out of ballast water within the ship

IMPROVING SHIP WASTE MANAGEMENT IN PORTS

Challenge
Illegal ship waste discharges into the ocean negatively impact the marine environment, fishing and the tourism industry. Port reception facilities or other collection systems at a port need to be in place so that ships can deliver their waste instead of dumping it into the sea. Collected in ports, the waste can be managed properly and merged into municipal waste streams.

International regulations for sustainable ship waste collection
Internationally, the IMO Convention on Marine Pollution (MARPOL) regulates the maritime traffic regarding the management of ship-generated waste and cargo residues. It provides recommendations to ports on how to ensure the sustainable collection of such waste. The International Maritime Organization (IMO) has no legal enforcement power, but ratifying countries shall transpose MARPOL provisions into their national legislation.
In Europe, increasing volumes of ship waste have been delivered to ports after the implementation of the EU Directive on Port Reception Facilities in 2000.

Success factors to increase waste delivery
Based on European experiences, the following success factors can increase the volume of ship waste delivered to ports

- Clear responsibilities and roles of the stakeholders involved**
- A mandatory online waste notification:** All ships must notify the waste type and volume to be discharged at the port before arrival. Preferably, this can be linked to a "notification of arrival" (N) system.
- An incentivising cost recovery system to deliver waste:** This can include the introduction of reduced waste fees. Ships then pay fees regardless of if they deliver waste or not.
- An operational Ship Waste Management Manual or Port Waste Management Plan:** It provides information on all aspects of ship waste management, for example the procedures, cost recovery, pricing, notification requirements or list of contacts.

7 steps towards an efficient Ship Waste Management System:

1. Analyse and assess the existing system
2. Develop a port strategy
3. Design and implement a mandatory online waste notification system
4. Develop a cost recovery system
5. Establish a ship waste handling organisation in the port
6. Prepare or update the operational Ship Waste Management Manual
7. Implement and follow up on the handling

D. POLICY FRAMEWORK AT INTERNATIONAL AND NATIONAL LEVEL:

1. MARPOL:

MARPOL Annex V. Regulation 7. Reception facilities states that:

1. The Government of each Party to the Convention undertakes to ensure the provision of facilities at ports and terminals for the reception of garbage, without causing undue delay to ships, and according to the needs of the ships using them.
2. The Government of each Party shall notify the Organization for transmission to the Parties concerned of all cases where the facilities provided under this regulation are alleged to be inadequate.

Ships compliance with the discharge requirements of wastes covered under Annexes I, II, IV, V and VI of MARPOL is directly related to the availability of adequate reception facilities in the ports. MARPOL indicates the categories of ports and terminals that require to provide reception facilities together with their capacities:

MARPOL Annex	Waste category
I	Oily bilge water, Oily residues (Sludge), Oily tank washings (slops), dirty ballast water and scale and sludge from tank cleaning
II	Cargo residues containing noxious liquid substance (NLS) or ballast water, tank washing, or other mixture containing such substances.
IV	Sewage
V	Garbage, including plastics, food waste, cooking oil, incinerated ash, Operational waste, fishing gear, E-waste, Cargo residues not harmful to the Marine environment(Non-HME) & Cargo residues harmful to Marine Environment(HME),Medical wastes and expired medication, paints, expired pyrotechnics, batteries, light bulbs, aerosol cans, printer cartridges,
VI	Devices containing Ozone Depleting Substances (ODS), waste from Exhaust Gas Cleaning Systems (e.g. scrubber sludge)

Convention	Categories	Requirements
Anti-Fouling Convention	Article 5 - Controls of Annex 1 Waste Materials require that wastes from the application or removal of an anti-fouling system controlled in Annex 1 of Convention are collected, handled, treated and disposed of in a safe and environmentally sound manner to protect human health and the environment.	All ports and dry-docks to mandatorily provide port reception facilities.
Ballast Water Convention	Article 5 - Sediment Reception Facilities require that parties to BWM Convention to ensure that, in ports and terminals designated by that Party where cleaning or repair of ballast tanks occurs, adequate facilities are provided for the reception of Sediments, taking into account the Guidelines developed by the Organization.	All ports and dry-docks to mandatorily provide port reception facilities.

Prohibition of Single Plastic Use:

1. As per **DGS Order no. 5 of 2019 dated 16-10-2019 & DGS addendum No. 1 to DGS order 5 of 2019 dated 08-01-2020** the Prohibition of single plastic use of Single Use Plastics On –board Merchant Ships.(Appendix)
2. The single use plastic items, should be kept, segregated and marked for disposal. As per the **DGS circularNo.4 of 2023 Dated 20-01-2023** , data to be entered by the Vessel through Swachh Sagar Portal separately and PRF of Swacchh Sagar to be utilised for the disposal.

2. The Hazardous and other Wastes (Management and Trans-boundary Movement) Rules, 2016.

- a. This rule has been promulgated under the Environment (Protection) Act, 1989 (the “EPA”) and are the primary regulations addressing the management of hazardous waste in India. It gives the Central Government the power to “take all such measures as it deems necessary or expedient for the purpose of protection and improving the quality of the environment and preventing, controlling and abating environmental pollution.
- b. “Hazardous waste” is defined as any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, cause’s danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances.
- c. Defines “Actual user” (person disposing the hazardous waste) as an occupier who procures and processes hazardous and other wastes for reuse, recycling, recovery, pre-processing, utilization including co-processing. The “Occupier” in relation to any hazardous and other wastes, is defined as the person in possession of the hazardous or other waste and includes any person involved in the “generation, processing, treatment, packaging, storage, transportation, treatment, use, collection, destruction, offering for sale, or transfer etc. of the hazardous waste.
- d. These Rules also set out responsibilities for different actors after authorization to handle the hazardous waste is granted. Persons who have received authorization for a particular record must i) maintain records on handling hazardous waste, and submit an annual return to State Pollution Control Boards, ii) send or sell hazardous waste only to a registered recycler or an authorized disposal facility and iii) Transport hazardous waste in accordance with the rules. The authorized actual user of hazardous and other wastes shall maintain records of hazardous wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
- e. To ensure environmentally sound management of hazardous wastes, it is important that person in-charge of port reception facility should have all the records such as i) quantity and type of waste collected from ships, ii) authorization/approvals of the private contractors involved in providing reception facilities, iii) Copy of annual records submitted by these authorized occupiers to State Pollution Board and iii) receipts of these waste received from the authorized actual user to ensure that transported waste are handed over only to an actual user and not dumped anywhere else.
- f. As per this rule E-manifest form has to be filled by the occupier for every disposal in order to monitor the disposal quantity

3. D.G Shipping

Section 356 of the Merchant Shipping Act, 1958 also put the onus of fulfillment of MARPOL requirements for the provision of adequate Port reception facilities to the satisfaction of Central government on Ports, harbours and terminal operators.

The Merchant Shipping Act, 1958 designates the Director General of Shipping as the administrative head of the Maritime Administration and thus is responsible for all matters related to shipping under MS Act 1958. This includes supervision and control of implementation of various International regulations relating to safety of ships (SOLAS 74 as amended), prevention of pollution (MARPOL as amended and other conventions of IMO to which India is a party. The Following circulars from D.G. Shipping address Port Reception Facilities in India. New Mangalore Port complies with the requirement of both.

Requirement to provide adequate waste reception facilities:-

- (1) Subject to rule 19, every port authority or dry-dock operator or terminal operator shall, as required by sub-rule(2) of rule-6, provide adequate waste reception facilities to meet the needs of ships normally using such port or dry-dock or terminal in question.
- (2) A Port authority or dry-cock operator or terminal operator may discharge their duty under sub-rule(1) jointly with any other person(in these rules called the sub-contractors) in providing the waste reception facilities by such sub-contractors, and reference in these rules to the provision of such facilities by a port authority or dry-dock operator or terminal operator shall be construed accordingly.
- (3) The ships using the waste reception facilities and the port or terminal or dry-dock providing such waste reception facilities shall follow good practices for ports reception facilities operators specified in the resolution.

3.1 D.G shipping order no.2 Assessment of Port Reception Facilities under MARPOL 73/78

- a) Information regarding availability of Port reception facilities shall be displayed on Port website.
 - b) Availability of waste collection facility for all types of waste identified in the MARPOL.
 - c) Data with regard to the approved contractor.
 - d) Charges for the different category of waste are displayed in the Port website.
 - e) Monitoring of the waste once collected and are disposed off in accordance with Local and National laws.
 - f) Single point contract person for disposal to be identified and detailed to be publish on Port website.
 - g) The duration of availability of reception facility in the Port.
 - h) In order to fulfill its responsibility for effective supervision and control of the provisions of MARPOL, it is decided that all major and non-major shall be access every year for the availability and adequacy of Port Reception facilities including methodology on the verification on assured treatment storage and disposal management of waste received from ships in compliance with the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 and the rules made there under and as amended from time to time including the “Hazardous and other Wastes (Management and Transboundary Movement) Rules 2016”, Framed under Environment (Protection) Act, 1986, published by the Ministry of Environment, Forest and Climate Change.
-

3.2 D.G shipping Circular No. 06 of 2018, Utilization of Centralised Port Reception Facility Portal: Swachh Sagar.

- D.G. Shipping directed each vessel has to declare waste quantities on ship (irrespective of whether reception facility is required or not). Further, Ports have to ensure the necessary data is filled up prior allowing the vessel to berth.
- The all ship visiting the NMPA fill up the details through Swachh Sagar website.
- The Port Authority is required to deny the entry of the ship in their Port in case of noncompliance.
- The Port to monitor the performance of the vendor and complaints regarding the surveys.
- Requirement of the Ship as per DG shipping:
- All ships visiting to any Indian Port or anchorage should access the web portal and give details as stated there including inventory of ship generated waste on board whether or not a Port reception facility is required.
- If the ships are at anchorage such details are to be filled up weekly.
- In case Port reception facilities are required, then the same is to be preferably requested 24 hours or more prior.

3.3 Swachh Sagar: D.G. Shipping Web portal

Advance Notification:

The master has to notify the Port Authority in Swachh Sagar Portal in accordance with the following time-frame as below

- (a) Where it is known at which port the ship will be calling, at least 24 hours before the arrival of the ship;
- (b) If the port at which the ship will be calling is not known until less than 24 hours before the arrival of the ship at that port, as soon as possible after the such port is known; or
- (c) Where the duration of the voyage is less than 24 hours, at the latest upon departure from the previous port

A printed copy of the Advance notice shall be retained on board the ship until departure from the next port after the port on which such notification was raised

The Port authority or terminal operator shall ensure that all ships shall provide a advance notification in the Swachh Sagar prior allowing the vessel to be berthed . It is mandatory for all ships visiting any Indian Port or anchorage should access the Swachh Sagar web portal at DG shipping website with details as per the inventory (Garbage log book& Oil record book) or ship generated waste on board for the port reception facility. If the ships are at anchorage such details are to be filled up weekly.

It was also agreed that an on-line system (Swachh Sagar) will be established by each port for ship, master reporting directly through Swachh Sagar Portal, to discharge waste as ship agents are not cooperating with master for discharge of waste due to their agency fees.

The ship captain/owner/ manager/ agent is required to access the portal and fill up certain required information irrespective of whether they require port reception facility or not. If the port reception facility is required, this necessary advance notification for the same can be raised through this portal' Subsequently portal will connect the captain/owner/manager/agent requesting for port reception facility with all port approved vendors of arrival port to negotiate and fix a suitable vendor and date and time for disposal of ship generated waste. All these communications are visible to port authority as well as DG shipping. Apart from handing over shore reception receipt to Master, a copy of the same will be uploaded by the vendor on the portal. The

master/owner/mangers/agent can also lodge a complaint regarding inadequate service delivery or non-availability of shore reception facility via the portal. In case of any complaints, communication done on this platform will only be considered as formal for investigation. **Therefore, it is mandatory for ports, ships, vendors to use this platform for all MARPOL discharge related requests.**

3.4 Swachh Sagar process;

An Advance Notification number is generated after filling Advance notification form in Swachh Sagar portal by Ship captain/owner/ manager/ agent for discharging the waste, it is mandatory to engage in Swachh Sagar portal with approved vendor for different categories of waste to be disposed.

The waste handling agents have to send the confirmation after engaging Swachh Sagar portal. The waste handling agent will collect the waste of the vessel as per the quantity declared in the Swachh Sagar portal. The waste delivery receipt endorsed by the Master of vessel has to be uploaded in the Swachh Sagar Portal.

3.5 Emergency plan : New Mangalore Port Authority PRF follows

- (1) Crisis Management Plan
- (2) Disaster Management Plan
- (3) Oil Spill Contingency Plan.

Contact details of approved waste handling agents, displayed in SwachhSagar portal are as under:

Company	E-mail Address	Phone Number	Mode
Jonas Petro Products Pvt Ltd	sunil@jonaspetroproducts.com	9980195708	TT & PDC
NMAM Institute of Technology, NITTE	ujwal.p@nitte.edu.in	9900514490	Cans (20-40 litres)
NMPA (1.2 MLD Sewage Treatment Plant)	praveenshenoy.hk@nmpa.gov.in	9845101500	Tanker
Ship Chandlers Association of NMP	shipchandlersassociation@gmail.com	9845068755	Trucks
M/s SHM SHIPCARE, Bhagvati Compound D.No.-Spl-13-3 Industrial Estate Baikampady Mangalore-575011	Mangalore@Shmgroup.com sar@shmgroup.com	9538474816	Truck

Procedures for operating the Swachh Sagar:

1. Dashboard:

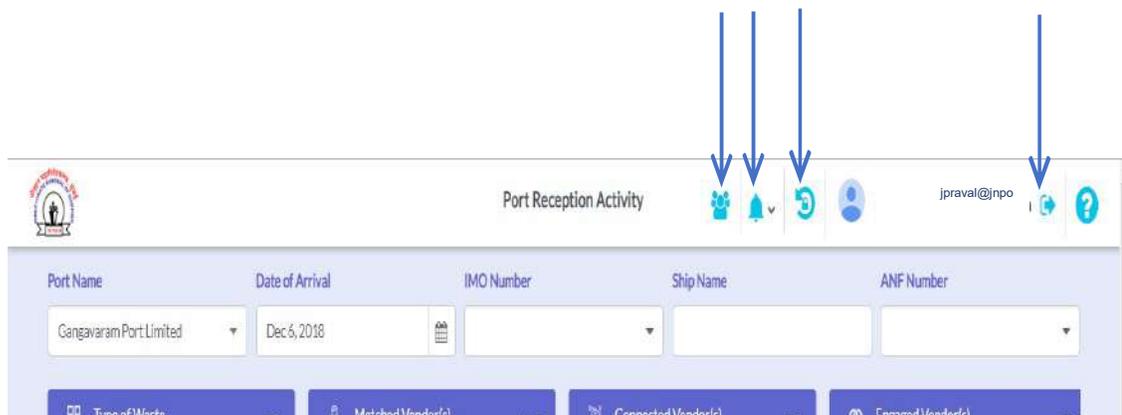
On successful login, user is redirected to the dashboard.

2. Header Components

- i. Notification Icon (Bell Icon): Displays any new message notification from the ship captain on click.
- ii. Change Password: Redirects to the change password page.
- iii. **Vendor Management:** Link redirects to the vendor management screen.

Logout: Logs the user out of the Dashboard.

3 1 2



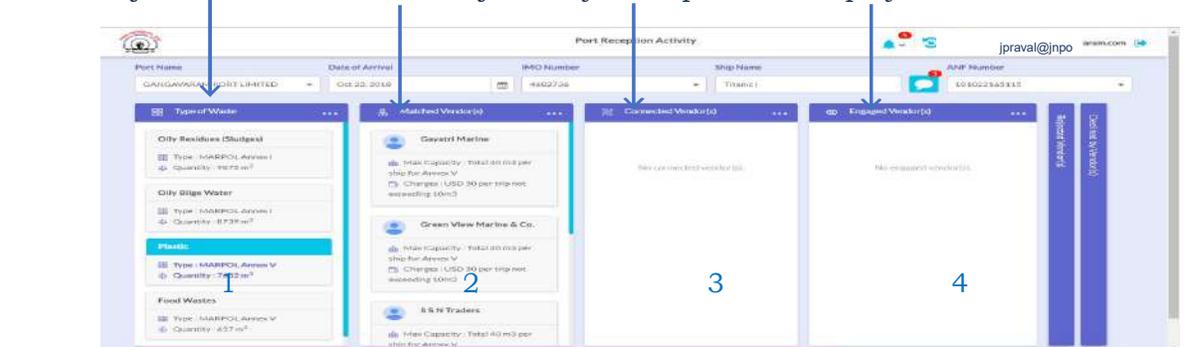
Filter Form

- i. Port Name: The port name is selected by default for the respective port login.
- ii. Arrival Date: It's a calendar dropdown field through which port authority can view ship details for different dates.
- iii. IMO Number: Dropdown containing the IMO numbers of all ships arriving on a given date.
- iv. Ship Name: Based on the selected IMO number the ship name is displayed.
- v. Chat with captain: Clicking the chat icon opens up chat dialog to chat with the selected ship captain/agent.
- vi. ANF number: Select an ANF number to view respective details in the dashboard below.



3. Dashboard Swim lanes

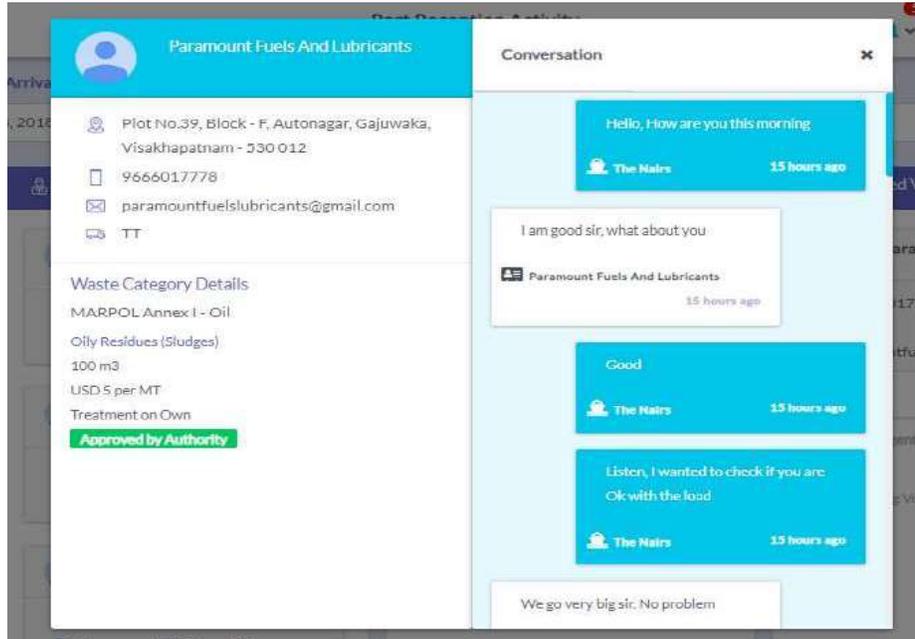
- i. Waste type: Lists the wastes that the selected ship is carrying by their category.
- ii. Matched Vendors: On selecting a waste type, this panel lists the vendors who handle that waste type. Captain can select multiple vendors from here.
- iii. Connected Vendors: Vendors from the matched vendors list who're shortlisted by the ship captain are listed here. Only one vendor from here can be engaged for a specific waste type.
- iv. Engaged Vendors: The vendor with whom the ship captain has engaged finally for a specific waste disposal is displayed here.
- v. Rejected Vendors: Vendors rejected by the captain are displayed here.



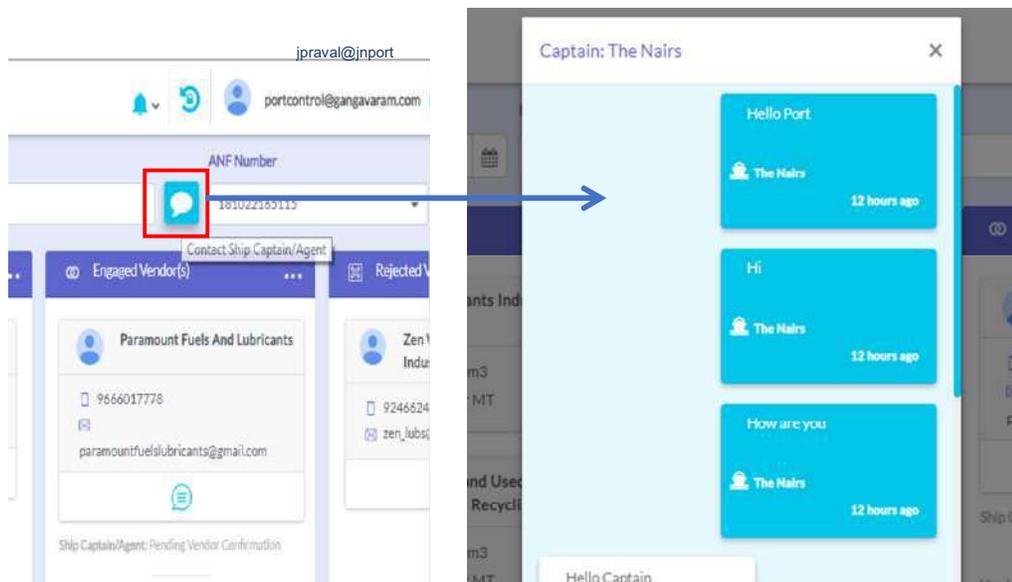
4. Chat Windows

- A. Captain-Vendor Chat: Click the chat icon in the connected/engaged vendor cards to open the chat window between the ship captain and the vendor(s) along with the vendor information.
- B. Port-Captain chat: The chat button in the filter form opens up the chat between the port authority and the selected ship's captain.

A.



B.



5. Captain/Vendor Transaction Status

The transaction status of both the captain and the engaged vendor is displayed in the engaged vendor section.

- i. Captain can request to commence the transaction and complete the transaction from his side.
- ii. Vendor can request to commence or accept the request to commence the transaction. Vendor cannot complete the transaction.

The screenshot shows the 'Port Reception Activity' interface. At the top, there are filters for Port Name (GANGAVARAM PORT LIMITED), Date of Arrival (Oct 23, 2018), IMO Number (4882736), Ship Name (Titanic I), and ANF Number (181022163115). Below these filters, there are four columns for vendor status: 'Selected Vendor(s)', 'Connected Vendor(s)', 'Engaged Vendor(s)', and 'Rejected Vendor(s)'. The 'Engaged Vendor(s)' column is highlighted with a red box, showing details for 'Paramount Fuels And Lubricants'. A red box highlights the status 'Ship Captain/Agent: Pending Vendor Confirmation' and 'Vendor: Pending Vendor Confirmation'.

6. Vendor Management Screen

a. Vendor list

- i. **Add vendor and filter vendors:** Add new vendor opens the form to add a new vendor. The default password of the vendor is set as **'password'**.

Filter box allows to search the list of vendors in the table by their name.

- ii. **Edit and Delete button:** Edit button again opens up the add vendor form, but now prefilled with the selected vendor's details. You can update these details and re-submit them.

Delete button deactivates the vendor. On clicking the button again the vendor is activated again.

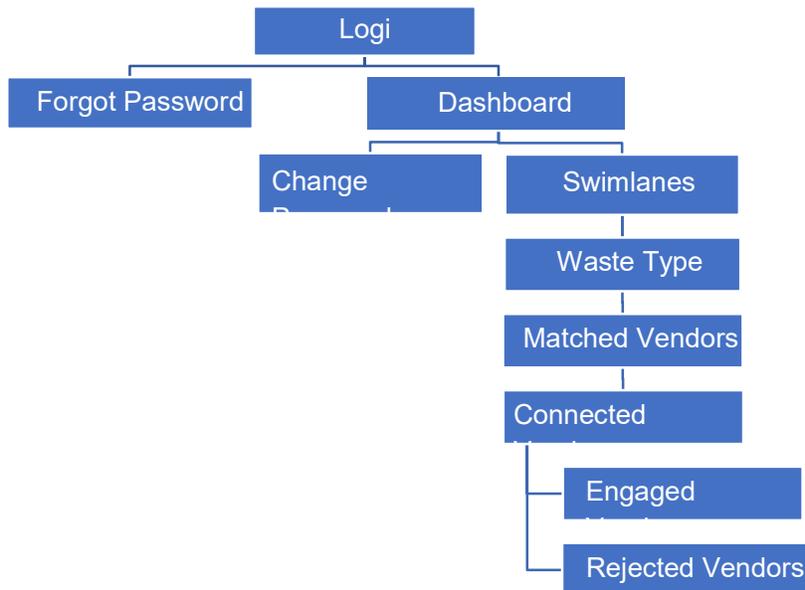
The screenshot shows the 'Vendor Management' interface. At the top, there is a search bar labeled 'Search Vendor By Name' and an 'Add New Vendor' button. Below the search bar is a table with columns: Company, Email Address, Phone Number, Mode, and Actions. The table contains the following data:

Company	Email Address	Phone Number	Mode	Actions
Gaurav Lubricants Industries Pvt. Ltd.	gauravlubricants@gmail.com	8500152003	TT	[Edit] [Delete]
Gayatri Marine	gayatrimarine@yahoo.com	98480 18871	TT	[Edit] [Delete]
Green View Marine & Co.	greenviewvsp@dataone.in	93931 26658	Truck	[Edit] [Delete]
Navya Waste and Used Oil Rerefining and Recycling	navyaols@gmail.com	9885610135	TT	[Edit] [Delete]
NSR Industries	infosnrindustries@gmail.com	9440422299 9502440786	TT	[Edit] [Delete]
Paramount Fuels And Lubricants	paramountfuelslubricants@gmail.com	9666017778	TT	[Edit] [Delete]
S S N Traders	?	9885717377	Truck	[Edit] [Delete]

b. Vendor add form

- a. The port name is selected by default. The Required fields are marked with star sign.
- b. The second section allows us to enter the type of waste the vendor deals with and its other details.
- c. When a vendor is selected to be updated, this form is displayed with the vendor's pre existing data.

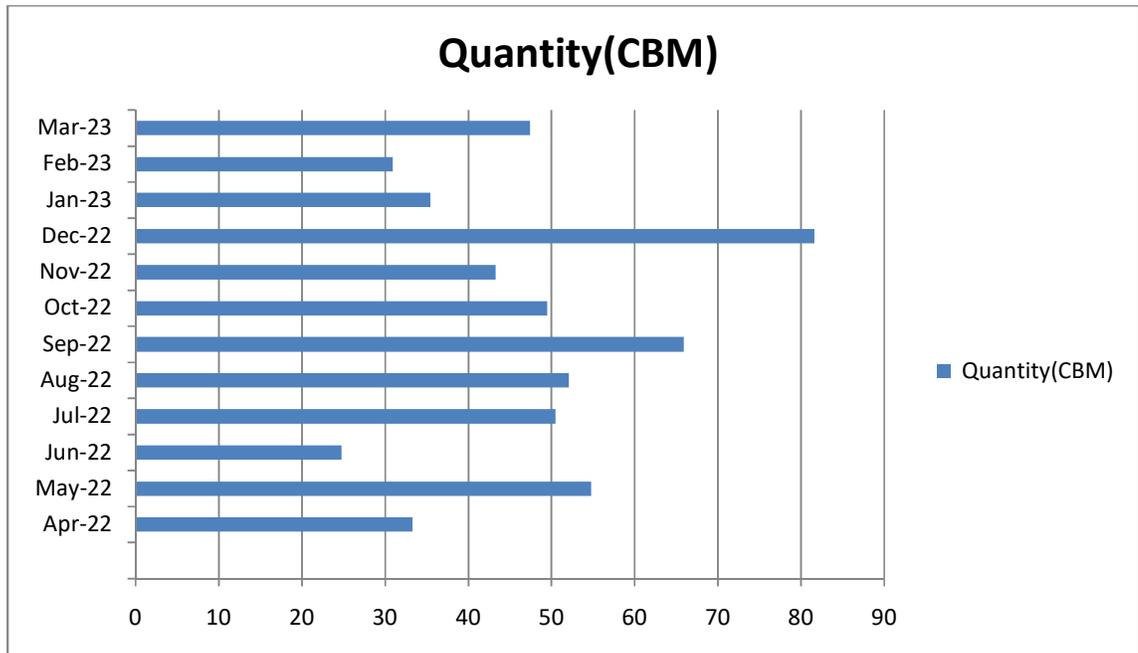
Control Flow:



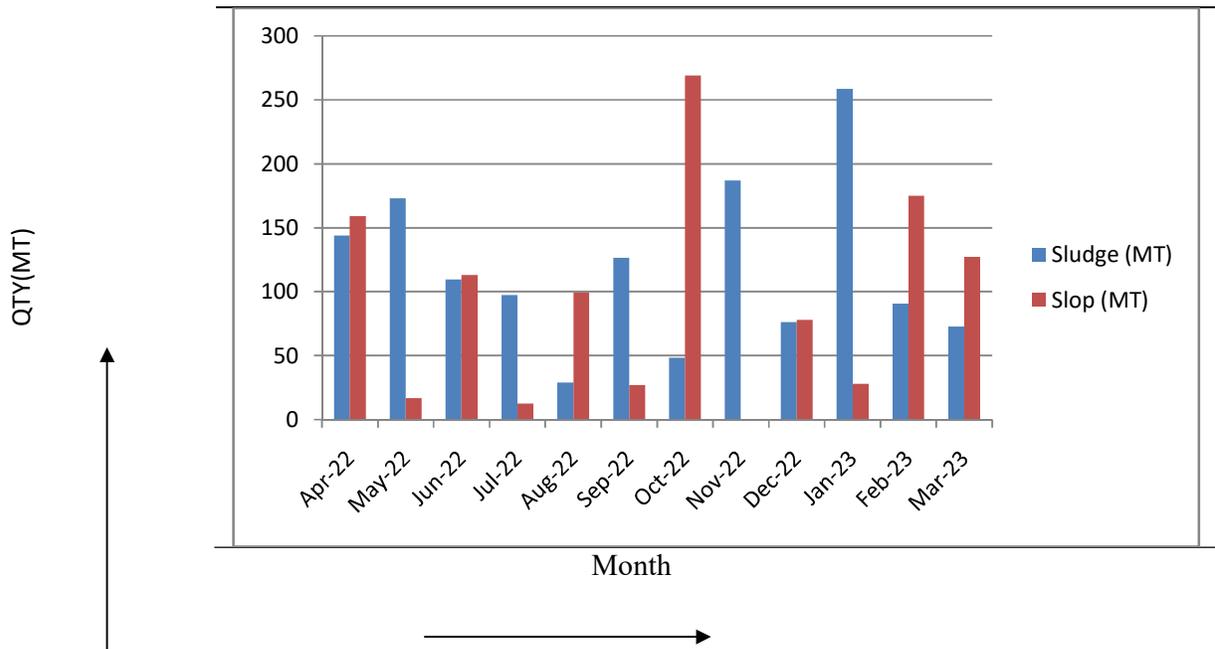
3.5 Data Collection

To ensure that the Waste Reception Facilities are adequate, the Port will record the actual use of Port waste reception facilities and quantity of ship-generated waste received.

- The standard waste delivery receipt from each vessel has to be collected from the Waste handling agent
- Copy of the bill of entry for the waste product if any duty paid.
- Copy of the collection receipt from the authorized recycler.
- Copy of collection of garbage from the local Municipal Corporation.
- Records for treatment of Slop oil/ bilge water/ waste oil/ dirty ballast containing oil in ETP at slop reception facility.
- Karnataka State Pollution Control Board monitored E- manifest form-10 of the receiver (re-processor) to be verified for authorized quantity and duly enter the quantity of waste oil issued with signature /seal of sender (NMPA) and maintain the copy of the same.
- Check the authorization issued by the KSPCB for hazardous Waste Transport vehicle and its validity before handling of waste oil as per the Hazardous waste & other waste trans boundary rule -2016 . The transportation shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste and having GPS monitoring unit so that movement of vehicle can be monitored till disposal point. Also check the other details such as emission test certificate of vehicle, DL of driver etc.
- Annual returns will be submitted KSPCB as per the Form-10 submitted by the Waste handling agents & one copy will be submitted to KSPCB.
- Form-3 has to be given by the Waste handling agent for quantity of each Hazardous Waste disposal.



Bar chart showing Garbage collection for the year 2022-23



Bar chart showing slop & sludge collection for the year 2022-23

3.6 SINGLE POINT CONTACT FOR PORT RECEPTION FACILITY AT NEW MANGALORE PORT 24/7

Name : Capt. Gaurav Mathur
 Designation: Dock Master
 Tel : 0824- 2407765
 Mob : 8790415134
 E-mail: marpol-res@nmpt.gov.in

E. IMO GUIDELINES ON PORT RECEPTION FACILITIES:

- a. The use and provision of port reception facilities for ship-generated wastes and residues is fundamental to the overall success of the MARPOL Convention in its objective of reducing and ultimately eliminating intentional pollution of the marine environment by ships. In order to improve the efficient delivery of MARPOL wastes and residues to port reception facilities, the IMO has developed specific additional guidance that outlines how the shipping community and PRF providers can best conduct their operations in order to comply with MARPOL:
 - i) 2014 Consolidated guidance for port reception facility providers and users (Circular MEPC.1/Circ.834): This guidance consolidates in a single document the Guide to good practice for port reception facility providers and users (MEPC.1/Circ.671/Rev.1) and four other circulars related to portreceptionfacilities(MEPC.1/Circ.469/Rev.2,MEPC.1/Circ.644/Rev.1,MEPC.1/Circ.645/Rev.1and MEPC.1/Circ.470/Rev.1).This is intended to be a practical users' guide for ships' crew who seek to deliver MARPOL residues/wastes ashore and for port reception facility providers who seek to provide timely, efficient port reception services to ships. It provides a basis for establishing best practice procedures, with an eye towards improving the integration of PRFs into a more comprehensive waste management scheme in which final disposal of MARPOL residues/wastes occurs in

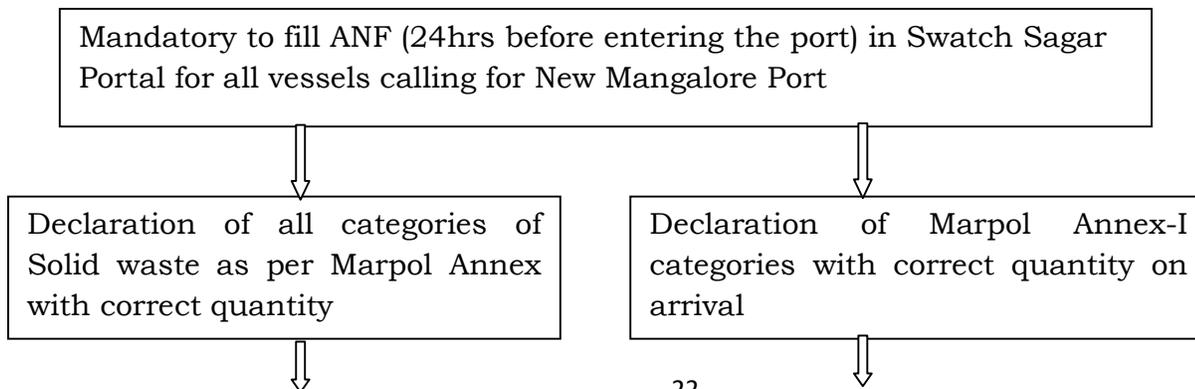
a manner that protects the environment, with due regard for the health and safety of workers and the general population.

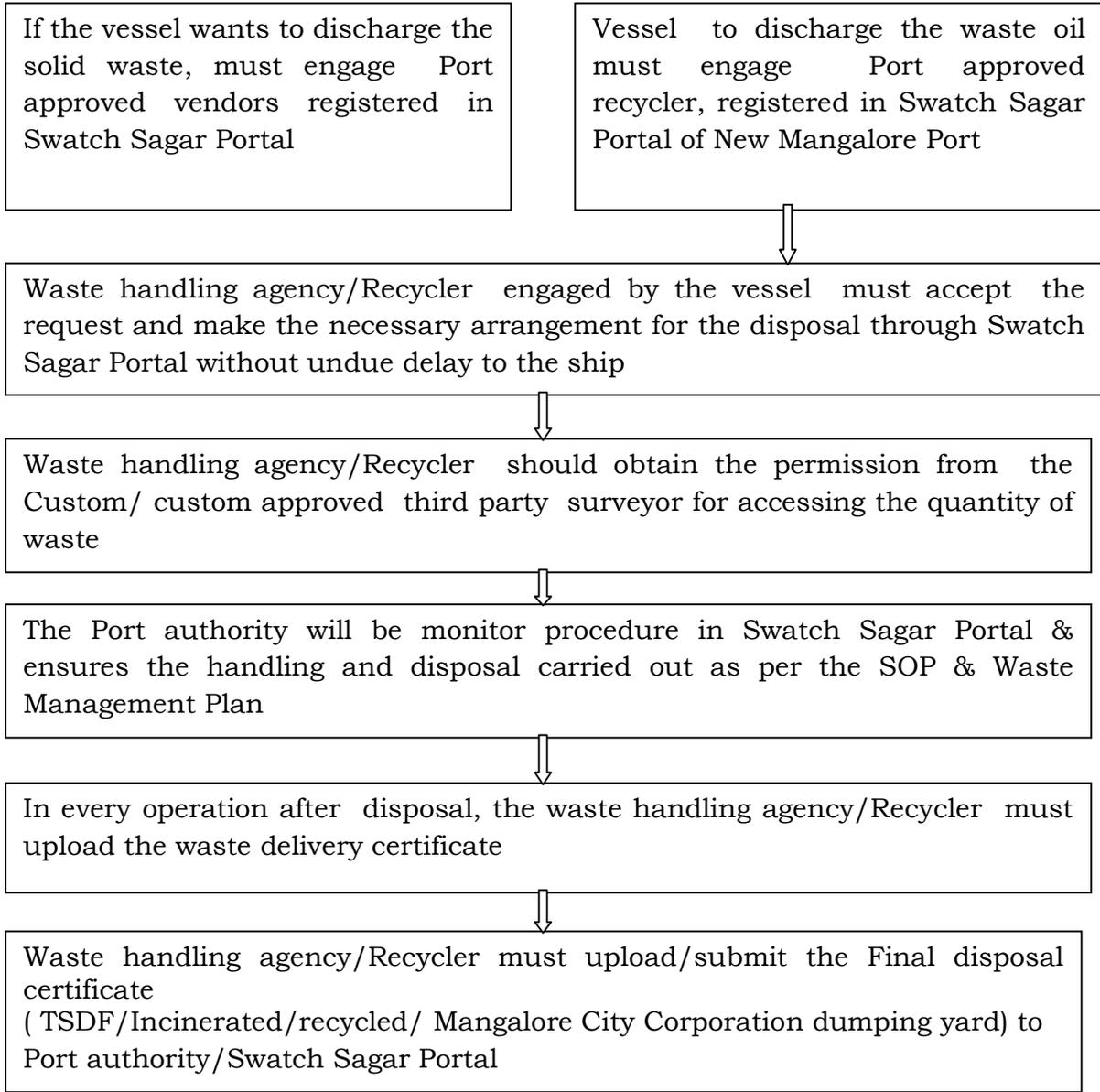
- ii) Guidelines for ensuring the adequacy of Port Waste Reception Facilities, MEPC 83(44), 2000: This guideline contain information for the provision and improvement of port waste reception facilities and are designed to complement the IMO Comprehensive Manual on Port Reception Facilities and also sets out a checklist to help assess adequacy of a port reception facility. The assessment checklist in this SOP is based on the assessment checklist available in these guidelines.
- iii) 2011 Guidelines for reception facilities under MARPOL Annex VI: Resolution MEPC.199 (62): The main objective to these guidelines is to assist port and terminal operators and ship repair ports, and ship recycling facilities in assessing the need for and providing adequate reception facilities for Ozone Depletion Substances (ODS) and equipment containing ODS and exhaust gas cleaning residues.
- iv) 2012 Guidelines for the implementation of MARPOL Annex V; MEPC 219(63): The main objective of these guidelines is to assist port and terminal operators in assessing the need for, and providing, adequate reception facilities for garbage generated on all types of ships.
- v) The IMO manual “Port Reception Facilities – How to Do It, 2015: The manual contains practical information to Governments and competent (port) authorities, in particular to those in developing countries, as well as to the shipping industry, agencies and waste contractors seeking guidance when implementing MARPOL.

IMO’s Global Integrated Shipping Information System (GISIS):

- a. In order to facilitate the dissemination of information and promote public access to sets of data collection by the IMO Secretariat, the IMO has developed an internet-based database on information for shipping: The Global Integrated Shipping Information System (GISIS).
- b. This database contains information available to the general public. Also it provides a member’s area section with more specific information accessible to registered IMO users (Administrations).
- c. The Port Reception Facility Database (PRFD) provides data on facilities for the reception of all categories of ship-generated waste. While the public is allowed free access (following a simple initial registration) to all the information on a view-only basis, the respective party States can update data for reception facilities via a login password. The database aims at improving the rate of reporting alleged inadequacies of port reception facilities so that the problem can be tackled more effectively.

FLOW CHART FOR NEW MANGALORE PORT RECEPTION FACILITY





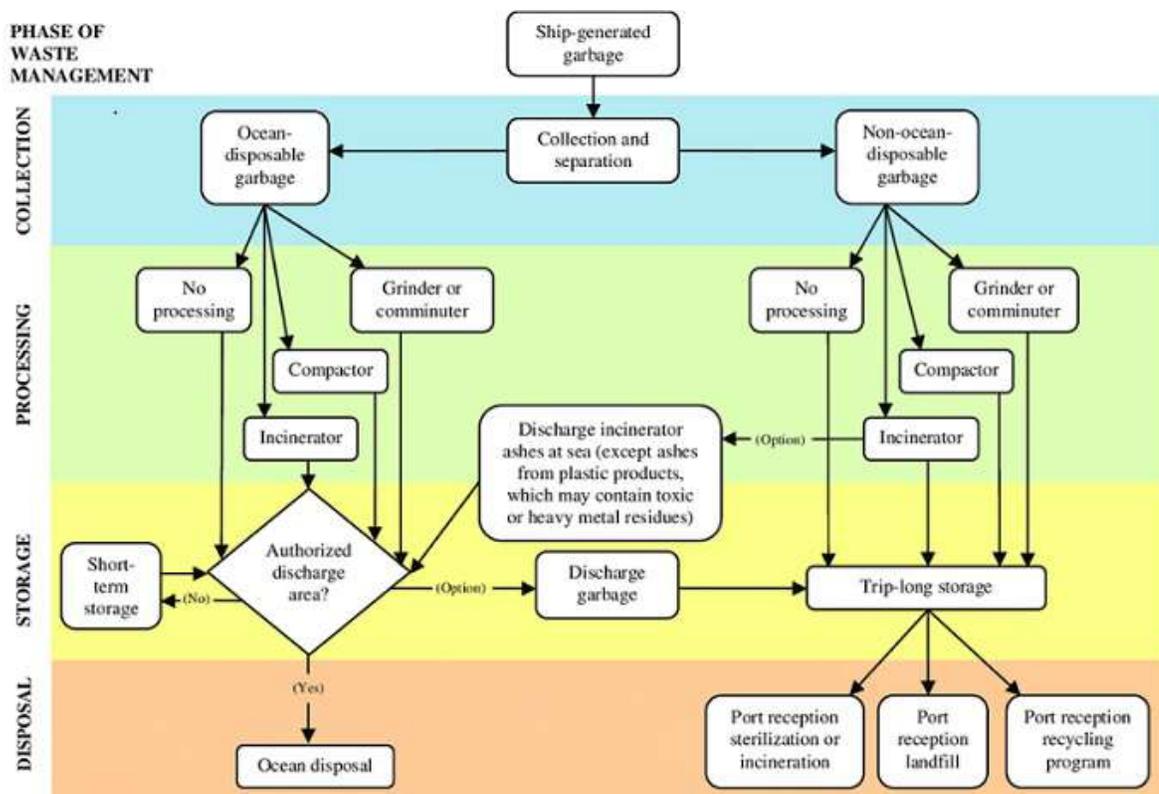
G.VESSEL

- Waste is generated on board vessels and must be disposed of as required by the MARPOL Convention 73/78 and D.G Shipping order, to comply with pre-notification and post-landing requirements, the Master should communicate the following:
- **Advance notification** – information to be notified before entry into the New Mangalore Port.
- **Reporting Alleged Inadequacies** – completed if the Master of a ship has encountered difficulties in discharging waste to reception facilities and forwarded, together with supporting documentation, to the Port.
- Master of the Vessel should not demand additional payment to avail Port Reception Facility and strictly follow the prescribed rates of Port
- It is the responsibility of the Master of the Vessel to ensure that the declared waste disposed to NMPA through Swatch Sagar, in any case if the Shipping agency is not co operating & demands for additional handling charges for the Port reception facility same to be informed to the NMPA concerned port authority.

- The failure of these procedures and false declaration of quantities by the Master of the Vessel, lead to the violation of the rule of and necessary action will be taken against the Master of the Vessel

The rights and obligations of the ship’s representative at the delivery of ship-generated waste and cargo residues:

1. The vessel shall have the right to ask and receive information from the Port and the waste handling company on possibilities to deliver different ship-generated waste and cargo residues in the Port.
2. The vessel shall present the Notice in a timely manner and correctly completed.
3. The vessel shall declare all ship-generated waste and cargo residues at the Port of entry.
4. The vessel shall deliver ship-generated waste and cargo residues generated by type and upon delivery mixing of different types of ship-generated waste and cargo residues shall be avoided. All hazardous waste shall be collected and delivered to the waste handling company separately.
5. The vessel shall notify the waste handling company the date and time, when the ship is ready to deliver its ship-generated waste and cargo residues and ensure delivery of ship – generated waste and cargo residues by the time agreed by the ship.
6. The vessel shall follow all organization requirements of notification, reception and delivery of ship-generated waste and cargo residues established in the plan. Upon violation of requirements the port shall immediately notify the Dock Master, whereas the latter shall forward the respective information to the Pollution cell.
7. There must be a general plan showing the location and permits obtained, documents, protocols and other information and documents.



H. SHIPPING AGENTS:

- Shipping agents act on behalf of vessels, and their participation is essential in the passing of information and making arrangements for the disposal of waste. Agents are requested to inform the port of those contractors who are engaged to remove waste .
- Ship's agents are responsible for reporting, on a ship to ship basis, the cost of non-garbage waste landed from vessels.

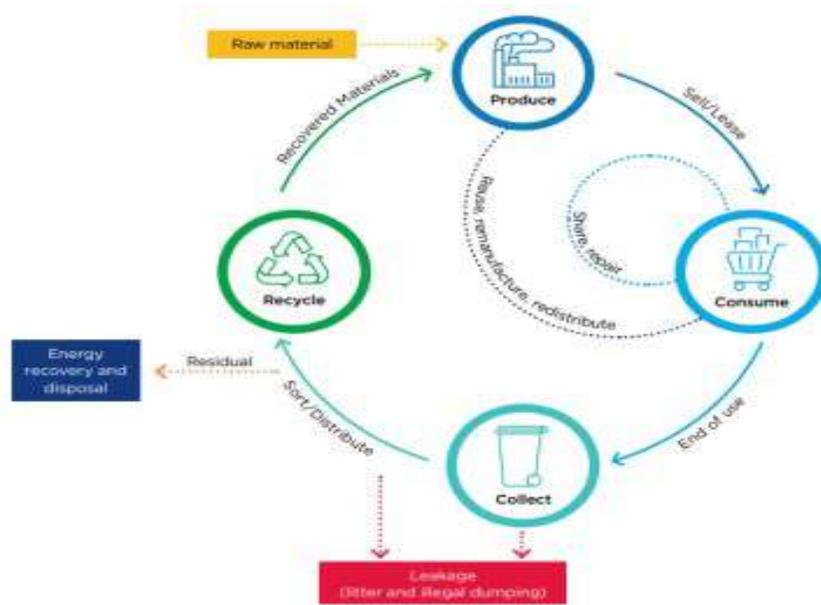
The rights and obligations of the waste handling companies at the reception of ship-generated waste and cargo residues:

1. The waste handling company shall have the right to ask for and receive information from the vessel, which is necessary for the planning and performing of delivery and reception of ship-generated waste and cargo residues.
2. The waste handling company shall coordinate with the vessel the time for performing of the planned work.
3. The waste handling company shall fulfil obligations coordinated with the vessel and Port control cell in a timely manner, at the agreed terms and to the agreed extent.
4. The waste handling company shall immediately notify the vessel and Port control cell of hindrances or changes at the rendering of the waste handling service and provide efficient solutions to avoid unnecessary delay to the ship in the port or non –provision of the waste handling service.
5. The waste handling company shall organise and perform all work, following occupational protection, fire safety, and environmental requirements effective in the Port, follow signs and identifications regulating traffic and fulfil requirements
6. arising from other legal acts and good customs.
7. The overalls of the staff that will work in waste reception ships shall be uniform and the ID cards to be issued by the NMPA shall always be kept on the overalls in a visible manner. This staff shall be given required training by the company on general marine pollution, fight with pollution and operation of emergency action equipment in the ship.

I. Terminal:

As per the DG shipping circular it is mandatory for all Terminals to take initiative for utilising the NMPA Port Reception Facility and it is responsibility of terminals to inform their vessel calling at NMPA in the pre information exchange between terminal and the Vessel. As the Port reception facility is the Statutory requirement of the DG Shipping to facilitate the reception facility at all terminals and same has to be complied. The following terminals are available at NMPA as mentioned below

Name of Berth	Type of Berth	Terminal
→ B1	Gen.cargo	-
→ B2	Gen.cargo	-
→ B3	Gen.cargo	-
→ B4	Gen.cargo/ Liq.Ammonia/ Phos. Acid	Mangalore Chemical Fertilizers Ltd (MCF)/ Parrison Infrastructure Pvt. Ltd. Cruise terminal
→ B5	Gen.cargo/ Bulk cement/ Edible Oil	Ultratech , Ambuja Cement Ltd, Suraj Agro Infrastructure Pvt. Ltd & Adani Wilmar
→ B6	Gen.cargo	-
→ B7	Gen.cargo	-
→ B14	Container	JSW container terminal
→ B.8	Iron Ore	KIOCL
→ B9	LPG/ POL Products	HPCL, Total Gas, Mk Agro tech, Aegis, IOCL
→ B10	Crude/POL Products	MRPL,
→ B11	Crude/POL Products	MRPL, IOCL,
→ B12	POL /LPG/Edible Oil	HPCL,BPCL,MRPL,IOCL, MK Agrotech Pvt. Ltd, IMC, IPWC, Aegis & Raftar terminal
→ B13	POL /LPG/ch.Cargo	HPCL, OMPL, Total Gas
→ B15	Bulk Coal Handling	UPCL
→ B 16	Bulk coal handling	JSW
→ SPM	POL Crude	MRPL



Waste and Sustainable Materials Strategy 2041

The following are some practical steps businesses can take to implement their waste management plan:

- **Set up recycling stations:** Set up recycling stations in key locations throughout the facility, such as the break room, kitchen, and production areas. Clearly label the recycling stations and provide training to employees on what materials can be recycled.
- **Implement source reduction measures:** Implement source reduction measures to reduce the amount of waste generated. This could include using refillable containers, reducing packaging waste, or implementing a paperless office.
- **Establish partnerships with waste management companies:** Establish partnerships with waste management companies to ensure that waste is handled in an environmentally friendly manner. Research and select companies with a good track record in sustainable waste management.
- **Provide training to employees:** Provide training to employees on the importance of waste reduction and recycling. This could include training on properly disposing of waste, what materials can be recycled, and how to identify waste reduction opportunities.

Monitor and track progress: Monitor and track progress towards achieving the waste management objectives and targets outlined in the waste management plan. This will enable businesses to identify areas that require improvement and make adjustments accordingly.

I - NEW MANGALORE PORT RECEPTION FACILITY AS PER MARPOL ANNEXES:

- **Marpol Annex-I:**

The New Mangalore Port Authority has its own Slop reception facilities and commissioned during the year 1998 for receiving of Slop oil/ bilge water/ sludge/waste oil/ dirty ballast containing oil which was discharged from the ship through slop oil pipeline present at Berth no. 10, 11& 12 and KSPCB authorized road tankers. The Operation and maintenance of Port Reception facility is outsourced to authorized by the KSPCB recyclers through E-Tender.

Storage Facility: New Mangalore Port has 2 Storage tanks with the capacity of 500 KL and 5000 KL with concrete flooring and garland drain facility. The dedicated 5000 KL tank for receiving Slop oil/ bilge water/ dirty ballast containing oil from foreign vessels and 500 KL tank for receiving Slop oil/ bilge water/dirty ballast containing oil from coastal vessels.



NMPA Slop Reception Facilities

Swachhta Action Plan- Monitoring of activities

G20

Slop reception facility - for collecting
- Hazardous waste from the ships
- Hazardous Waste disposed through MSTC

NMPA is having its own Reception facility @ oil berths with a capacity of 5500 KL to receive wash water / oily water / ballast water from the ships.

Revenue Generated from the disposal during 2022-23:Rs.1.80 Crore

NMPA Storage Tank



The wash water / oily water / ballast water from ships at berths disposed through tankers from Registered CPCB Re-cyclers

Waste Oil disposal from ships

Disposal of Sludge/ Bilge water from vessel to authorised KSPCB Truck

- Approved SOPs (Standard Operating Procedure) by the Custom and KSPCB for receiving and disposal of Slop oil/ bilge water/ waste oil/ dirty ballast containing oil / sludge/ Cargo residue washing water containing oil from foreign and coastal vessels are complied.
- The service for the disposal of **Marpol Annex-I wastes will be at free of Cost** for 24x7
- No Port charges are levied for collection of Slop oil/ bilge water/ waste oil/ dirty ballast containing oil / sludge/ Cargo residue washing water containing oil and service available 24x7, Its Mandatory, a advance notification before 24hrs of arrival .

• **Marpol Annex-II**

For disposal of noxious liquid substance/ chemical by the vessels to be declare in Swatch Sagar Portal with 24 hours advance notification. IPWC, ONGC, MCF, MRPL, BASF etc. has facility to receive and dispose this category of waste will collect the residues and the waste of chemical / Noxious Liquid Substance from the Vessels and disposed as per KSPCB norms. Standard operation procedure is prepared and has to be follow as mention in page no.36-37

Marpol Annex-IV

Vessels required to dispose sewage should be declare in Swatch Sagar Portal with 24 hours advance notification to enable the necessary arrangements for sewage tankers . Since the Port has its own 1.2 MLD Sewage treatment plant and the sewage will be treated in STP as per KSPCB standards . the charges will be applicable for this facility as per Mangalore City Corporation.

The contact details are provided in the Facilities tab of NMPA website. Standard operation procedure is prepared and has to be follow as mentioned in the pageno.38-39.



2. Improve Quality of Harbor water

The Port has dedicated 02 numbers boats meant for cleaning of harbor water regularly twice a day and quality will be monitored every month by testing the Harbor water through NABL accredited Laboratory and all the parameters are complying with KSPCB permissible Standards. Total Expenditure: Rs.1.20 Crore during 2022-23



- **Disposal of Marpol Annex-V (Garbage)** has been arranged through Ship Chandlers Association and vessels are charged per cubic meter basis as approved by the Competent Authority. Collection, Segregation and disposal of garbage is undertaken by the Municipality authorized Trucks at berths directly from vessels at pre notified schedule.
- No Port charges are levied for collection of garbage except handling charges by garbage collector agencies. However, if the facility is required by the vessel beyond the scheduled time, the same can be arranged accordingly. Standard operation procedure is prepared and has to be follow as mention in page no.40-43



18. Solid waste collection, segregation, sorting and storage on ships



- Vessels visiting at NMPA mandatorily comply the Marpol Regulation 73/78 for the disposal of ship generated solid waste and the records will be inspected by the Port state Control Authority.
- However, the Port's SOP is in place for the collection and segregation and disposal of ship generated garbage calling at NMPA.
- The segregated garbage is disposed through Mangalore City Corporation and KSPCB authorized waste handlers only.
- The waste management plan for Port reception facility is regularly audited by MMD, Mangalore and displayed at NMPA website. Port adopted Swachh Sagar Portal Successfully and achieved 100% compliance.



Port is handling the ship generated waste from the vessels calling at the Port through Ship Chandlers Assn.

Handling of the garbage

- **Marpol Annex-VI:** The air pollutants contained in ships exhaust gas, including sulphur oxides (SOx) and nitrous oxides (NOx), and emissions of ozone depleting substances (ODS), shipboard incineration, and the emissions of volatile organic compounds (VOC) from tankers will be disposed through New Mangalore Port Authority's Port Reception Facility and the final disposal will be conducted through KSPCB approved Landfill TSDF

J. CLASIFICATION OF HAZARDOUS WASTE AND METHOD OF DISPOSAL

The ship-generated wastes and residues can be classified as hazardous waste when meeting the corresponding characteristics given in Hazardous and Waste Rules, 2016.

Description of Hazardous waste for reprocessing	Mode of disposal
Cargo residues/washing water and sludge containing oil	The skimmed Oil pre treated in effluent Treatment plant installed within the port premises shall be disposed to authorized waste oil re-processing facility authorized by the Karnataka State Pollution Control Board. Oil free water from the Oil skimmer confirming tom the standards stipulated in the Combined Consent order issued the water Act & The Air Act shall be discharged in accordance with conditions stipulated therein.
Cargo residues/washing water and sludge containing chemicals	
Sludge & filters contaminated with oil	
Ballast waste containing Oil from the Ships.	
Slop oil	
Waste residue containing oil	
Other waste	Shall be stored in secured manner and handed over to KSPCB authorized actual user.
Paper waste, lining or packing material	
Ceramic Waste	
Metal & metal bearing waste	
Rubber Waste	
Electrical & Electronical assembles	
Copper cable with PVC insulation	
Glass waste	

K.DESCRPTION FOR SHORE RECEPTION FACILITIES AT NMPA

Sl. No	Type of Garbage	Rates	Handling Agency	Contact Details
1	Plastic, Synthetic Ropes and Materials	Rs.4000/Cbm at berth	Ship Chandlers Association of NMP	9845068755 shipchandlersassociatio n@gmail.com
2	Dunnage, Lining or Packing material	Rs.6500/Cbm at SPM and		
3	Domestic waste Paper products, rags, Glass metal Bottles	Anchorage (Rs.1000 for additional Cbm at berth and Rs.2000 for additional Cbm at SPM and		
4	Fishing gear			
5	Food Waste			
6	Incinerator Ash			

7	Operational Waste cleaning	Anchorage)		
8	Cargo residue	Free Of Cost	Vessel stevedores	
9	Cooking Oil	Transportation Charges as per actual through authorized tankers arranged by steamer agents.	NMAM Institute of Technology, NITTE	919900514490, ujwal.p@nitte.edu.in
10	Animal Carcasses	Port is not handling any livestock vessels.		
11	Oily Wastes	Free Of Cost	Jonas Petro Products Pvt Ltd	919980195708, sunil@jonaspetroproducts.com
12	Expired Pyrotechniques 1	1.Hand Flares- Rs.425/- 2. Parachute rocket – Rs.525/- 3. Smoke Float- 525/- 4. MOB-4500/- 5. LTA(1set of 4)- 9000/-	M/s SHM SHIPCARE, Bhagvati Compound D.No.-Spl-13-3 Industrial Estate Baikampady Mangalore- 575011	9538474816 Mangalore@Shmgroup.com omsar@shmgroup.com
13	Expired Medicines		Ramky Energy and Environment Ltd, Plot No.47/B, Karnad Industrial Area, KIADB-Mulki- 574 154 Mangalore	918242458440, 919886933942 shipchangersassociation@gmail.com
14	Noxious Liquid Substance	Residues/Wastes are collected by the receivers - IPWC, ONGC, MCF, MRPL and BASF		
15	Sewage	Transportation Charges as per actuals through authorized tankers arranged by steamer agents.	Praveen Shenoy EE (Mtc-II), NMPA	9845101500, praveenshenoy.hk@nmpa.gov.in

L. SUMMARY OF STANDARD PROCEDURES FOR PORT RECEPTION FACILITIES AND GOOD PRACTICES:

1. Standard Operating Procedure for Daily clean- up of Port waters & Disposal of waste containing Oil from Oil Spill incident within port limit.

Objective:

- 1) To ensure clean water front port waters at all the time.
- 2) Daily collection of debris /floating objects from the Port waters inside the harbor.
- 3) Disposal of debris and oil collected complying the laid down guidelines.

Collections and disposal of Debris/ floating objects:

- Daily Pollution response Boats shall be taking rounds in the Port water & the timings of the inspection rounds duly informed to the Port control
- The personnel involved in this operation should wear Personal Protection Equipments.
- The debris/floating objects collected from the Port waters shall be segregated as per Solid Waste Management Rules 2016.
- After segregation of debris/floating objects, the same to be disposed off properly at designated garbage storage area inside the wharf.
- During the monsoon season the frequency of rounds to be increases since lot of debris enters inside the harbor on high tides.
- Pollution response Boats are should monitor the spillage of garbage/oil from the vessels at the Berth and same to be reported to Port Control immediately for further action.
- The quantity of Garbage collected to be documented in the Garbage Collection Book and it should be checked by Officers.

Disposal of Waste material containing oil etc., generated from an oil spill incident:

- Oily-water mixture collected from an incident to be transferred directly to NMPA Reception Facility Area for storage and disposed through Port authorized KSPCB recycler as per the Standard Operating Procedure .
- The Waste material containing oil like oil soaked rags, overalls, sand, saw dust, absorbent pads, absorbent booms etc., collected during an Incident to be disposed to the KSPCB authorized recycler for incineration.
- The NMPA authorized KSPCB recycler must take the permission from the Port and Custom for the disposal of Waste material containing oil etc generated from an oil spill incident
- The authorized recycler must submit the detailed information on KSPCB authorized GPS vehicle and details of authorized drivers.
- After collecting the material the authorized recycler must declare to the Port and Custom as per category of Hazardous waste management rules 2016 schedule I along with Quantity
- E-manifest entries will be done by NMPA and Form-10 will be generated and it will be given to KSPCB authorized recycler for transportation.
- After the incineration the final disposal certificate and pass book copy for the same to be submitted to NMPA
- The following documents has to be submitted by the authorized recycler
 1. Drive, License Number
 2. Vehicle fitness letter
 3. Emission certificate
 4. GPS Number
 5. Weigh bridge receipt
 6. Form-10
 7. Final Disposal Certificate

Date	Category	Quantity	Address of Authorized Recyclers	Hazardous waste manifest system Tracking	Tanker No./truck no (mode of transportation)	Mode of disposal

- Spillage/ leakage to be avoided by the KSPCB authorized recycler at the time of transportation

NOTE:

- Karnataka State Pollution Control Board authorized tankers are used for carrying of hazardous materials for disposal
- As per the Oil spill contingency plan, heavy or emulsified oils are to be heated to make it fluid enough to be pumped out.
- Proper Personal protective equipments like rubber gloves, overall suit, goggles, chemical protective suite etc to be used during handling and disposal of Hazardous Wastes.
- Oil spill response material like-absorbent pad, absorbent booms, saw dust, Garbage bags/ disposal bags, cotton racks, non-spark shovel & portable drums/ containers to be treated as hazardous waste.

2. MARPOL ANNEX-I

i. Coastal Vessels - Reception and disposal of Slop/Bilge Oily Water/Ballast Water Containing oil at 500KL Reception Tank at NMPA

.....

- 1) On the request of the calling vessel or the agent, permission is taken from the Port /Customs/CISF for discharge of Bilge Oily Water/slop/ Ballast water containing oil.
- 2) Inform terminal after permission from port regarding reception of Bilge Oily water/Slop /Ballast water containing oil.
- 3) In case of Bilge Oily water/slop/ Ballast water containing oil received from vessels into KSPCB authorised road tankers, empty road tankers should be weighed and verified by independent surveyor. Custom declaration of coastal vessel in prescribed format is collected.
- 4) Before receiving the Bilge Oily Water/Slop/ Ballast water containing oil, initial sounding of the vessel tank and after discharge final sounding of the vessel tank to be done by independent surveyor to access the quantity.
- 5) At reception facility, initial and final sounding of 500 KL tank to be jointly inspected by independent surveyor and port /port approved contractor. Same to be certified by the independent surveyor .This quantity to be logged down in the register maintained at the reception facility.

- 6) Before receiving Bilge Oily water/slop/ Ballast water containing oil from the coastal vessel into 500 KL tank, the proposed inlet valve of 5000KL (Foreign) to be closed and inlet valve of 500 KL (coastal) should be opened by the port authorities, under whose custody the lock and keys of both the tanks (coastal and foreign) are kept. The outlet valve of 500 KL tank to be closed to be kept closed under lock and key.
- 7) During the discharge operation physical check of slop pipelines and sounding of the reception tank in reception facility to be monitored by the port/ port approved contractor.
- 8) After completion of discharge operation from the vessel, the shore pipelines from berth to reception tank to be flushed using compressed air.
- 9) After completion of discharge from the vessel, the reception certificate is issued by the port /port approved contractor to the vessel
- 10) The Bilge oily water/slop/ Ballast water containing oil of coastal origin, if received through authorised road tankers, should be discharged to 500kl tank and sounding of 500kl will be jointly inspected by independent surveyor and port/port approved contractor as per the procedure at Sl. No.4 to 6 above.
- 11) Once the Bilge Oily Water/slop/ Ballast water containing oil from the vessel is received in the reception tank, settling process to be carried out for physical separation of water and oil, the settled water containing traces of oil are treated in ETP (effluent treatment plant) for separation of oil and water.
- 12) After separation of oil and water from Bilge Oily Water/slop /Ballast water containing oil at primary separation chamber, separated water's PPM is checked by OCM-2 alarm and below 10PPM water is drained out and the drain line to be monitored by physical inspection. More than 10PPM liquid is pumped for further settling into 10KL tank (port) and is transferred to 500KL(coastal) after separation of oil and water. Oil remaining at ETP is also transferred to 500 KL .Timing for entire process will be noted and ETP to be flushed after use with fresh water.
- 13) Once settling/separation process of oil and water takes place by using 500KL tank and ETP, the separated quantity of oil is inspected by independent surveyor and port /port approved contractor. This quantity to be logged down in the register maintained at the reception facility and to be logged down clearly mentioning previous sounding of the reception tank (as followed in Sl.No.5). Import application is filed for the quantity of waste oil same quantity as mention is taken for all port purposes.
- 14) During settling process (as mentioned in Sl.No.13) of Bilge Oily Water/slop/ Ballast water containing oil, any new request from coastal vessels for reception of Bilge Oily Water/slop/ Ballast water containing oil cannot be transferred into 500KL tank

simultaneously, instead it should be stored in KSPCB authorised road tankers till ongoing process of separation is completed. Then it will be transferred into 500KL tank.

15) Waste oil at the reception tank (500KL) after separation is loaded to authorized road tankers. The loaded road tanker is weighed before taking out from port area to authorised KSPCB recycling plant.

16) NMPA shall maintain form 10(manifest system) and KSPCB authorised waste oil recyclers shall maintain passbook under HWM Rules 2016 for transport of waste oil for recycling and disposal facility from NMPA premises.

17) All the above process and treatment of water at reception area is documented as per prescribed guidelines laid by NMPA and KSPCB.

Note:

- A. The Bilge Oily Water/slop/ Ballast water containing oil received from Coastal Vessel should directly take to port reception facility and after separation of free water, waste oil shall be sent for KSPCB authorised waste oil recycling plant through KSPCB authorised tanker .The free water shall be treated in exiting ETP and treated water shall be discharged after meeting the standards specified by the KSPCB.
- B. Waste water treatment /disposal/separation in ETP shall not be done simultaneously along with Bilge Oily water /Slop/Ballast water containing oil collected in 5000 KL tank (foreign). In other words, treatment of foreign and coastal shall be carried out separately and shall not be inter-mixed for any reason.
- C. ETP to be used for one consignment at any point of time .ETP and portable tank to be flushed after each use.
- D. Slop/Bilge oily water/ballast Water Containing oil received from foreign vessels and Sludge oil /waste oil received from foreign vessels merits to be treated separately in ETP and same may be strictly adhered to. Likewise foreign and coastal origin cargo (Slop/Bilge oily water/ballast Water Containing oil and Sludge oil /waste oil merits to be treated separately in ETP without intermixing at any stage.

ii. Foreign Vessels - Reception and disposal of Slop/Bilge Oily Water/Ballast Water Containing Oil at 5000KL Reception Tank at NMPA

1) On the request of the calling vessel or the agent, permission is taken from the Port /Customs/CISF for discharge of Slop/Bilge Oily Water/ Ballast water containing oil.

- 2) Inform terminal after permission from port regarding reception of Bilge Oily Water/Slop /Ballast water containing oil.
- 3) In case if Bilge Oily Water/slop/ Ballast water containing oil is received from vessels into KSPCB authorised road tankers, empty road tankers should be weighed and verified by independent surveyor and certified by customs.
- 4) Before receiving the Bilge Oily Water/Slop/ Ballast water containing oil, initial sounding of the vessel tank and after discharge, final sounding of the vessel tank to be done by independent surveyor to access the quantity and certified by the custom, who will also draw sample for identification of water and oil content in the Bilge Oily Water/Slop/ Ballast water containing oil(to estimate ratio of water and oil content) for custom purposes.
- 5) At reception facility, initial and final sounding of 5000 Kl tank to be jointly inspected by independent surveyor, port /port approved contractor and customs. Same to be certified by the customs .This quantity to be logged down in the register maintained at the reception facility.
- 6) Before receiving the Bilge Oily Water/slop/ Ballast water containing oil from the foreign vessel in the 5000 KL tank, the proposed inlet valve of 500 KL (coastal) to be closed and inlet valve of 5000 KL (Foreign) should be opened by the port authorities, under whose custody the lock and keys of both the tanks (coastal and foreign) are kept,the outlet valve of 5000 KL tank to be kept closed under lock and key.
- 7) During the discharge operation physical check of slop pipelines and sounding of the tanks to be monitored by the port / port approved contractor.
- 8) After completion of discharge operation from the vessel, the shore pipelines from berth to reception tank in reception facility to be flushed using compressed air.
- 9) After completion of discharge from the vessel, the reception certificate is issued by the port /port approved contractor to the vessel .
- 10) The Bilge Oily Water/slop/ Ballast water containing oil of foreign origin ,if received through road tanker it should be discharged to 5000kl tank and sounding of 5000kl will be jointly inspected by independent surveyor and certified by the custom as per the procedure mentioned from Sln0.4 to 6 above. Sample drawn from 5000KL tank for custom purpose.
- 11) Once the Bilge Oily Water/slop/ Ballast water containing oil from the vessel is received in the reception tank, settling process to be carried out for physical separation of water and oil, the settled water containing traces of oil are treated in ETP (effluent treatment plant) for separation of oil and water.

12) After separation of oil and water from Bilge Oily Water/slop /Ballast water containing oil at primary separation chamber, separated water's PPM is checked by OCM-2 alarm and below 10PPM water is drained out and the drain line to be monitored by physical inspection. More than 10PPM liquid goes for further settling in a portable tank using compressed air and pumped for settling and transferring after separation of oil and water. Collected oil from ETP and portable tank to be transferred to 5000 KL. Timing for entire process will be noted and ETP to be flushed after use with fresh water.

13) Quantity of oil (5000 KL tank) is inspected by independent surveyor, port /port approved contractor and customs. Same to be certified by the customs .This quantity to be logged down in the register maintained at the reception facility and to be logged down clearly mentioning previous sounding of the reception tank (as followed in Sl.No.5). Bill of Entry is then filed for assessment and payment of customs duty for the quantity of waste oil in the tank and the same quantity is taken for all port purposes. Pass out order is issued by Customs.

14) At any time two vessel reception of Bilge Oily Water/slop/ Ballast water containing oil, cannot be transferred into 5000KL tank simultaneously, instead it should be stored in KSPCB authorised road tankers till ongoing process of separation is completed. Then it will be transferred into 5000KL tank.

15)Waste oil at the reception tank (5000Kl) after separation is loaded to empty authorized road truck.

16) After customs pass out order, the tanker is weighed under Customs supervision before taking out from the port area to authorized KSPCB recycling plant.

17) If reception operations happen simultaneously from two or more vessels, the bills of entry to be filed separately for each vessel (for clearance of waste/contaminated oil) based on the oil and water content as estimated in the independent surveyor's reports based on samples drawn by them separately from each vessel.

18) NMPA shall maintain form 10(manifest system) and KSPCB authorized waste oil recyclers shall maintain passbook under HWM Rules 2016 for transport of waste oil for recycling and disposal facility from NMPA premises.

19) All the above process and treatment of water at slop reception area is documented as per prescribed guidelines laid by NMPA and KSPCB

Note:

- A. The Bilge Oily Water/slop/ Ballast water containing oil received from Foreign vessel should directly take to port reception facility and after separation of free water, waste oil shall be sent for KSPCB authorised waste oil recycling plant through KSPCB authorized tanker .The free water shall be treated in exiting ETP and treated water shall be discharged after meeting the standards specified by the KSPCB.
- B. Waste water treatment /disposal/separation in ETP shall not be done simultaneously along with Bilge Oily water /Slop/Ballast water containing oil collected in 500 KL tank (coastal). In other words, treatment of foreign and coastal shall be carried out separately and shall not be inter-mixed for any reason.
- C. ETP to be used for one consignment at any point of time .ETP and portable tank to be flushed after each use.
- D. Slop/Bilge oily water/ballast water containing oil received from foreign vessels and Sludge oil /waste oil received from foreign vessels merits to be treated separately in ETP and same may be strictly adhered to. Likewise foreign and coastal origin cargo (Slop/Bilge oily water/ballast water containing oil and Sludge oil /waste oil) merits to be treated separately in ETP without intermixing at any stage.
- E. Similarly ,cargo (Slop/Bilge oily water/ballast water containing oil) received from two foreign vessels should not be allowed to be simultaneously pumped to the 5000 KL shore tank , since in such cases ,the exact quantity received from each vessel cannot be ascertained .

iii. Coastal Vessels - Reception and disposal of Sludge/Waste Oil by the Authorised KSPCB Road Tankers at NMPA

- 1) On the request from calling vessel/the agent, permission is taken from the Port/Customs/CISF for discharge of sludge/waste oil.
- 2) Inform terminal after permission from port regarding reception of Sludge/waste oil.
- 3) Sludge/Waste Oil discharge through existing pipeline is not possible as viscosity of Sludge/Waste Oil is higher than water, Collection of Sludge/Waste Oil is through KSPCB authorised road tankers and in some cases Sludge/Waste Oil are received in barrels from the calling vessel.
- 4) Before receiving sludge oil/waste oil from vessel, initial sounding of the vessel tank and after discharge, final sounding of the vessel tank to be done by independent surveyor to access the quantity, who will also draw sample for identification of water and oil content in the sludge/waste oil. Custom declaration of coastal vessel in prescribed format is collected.
- 5) Initial weighing of empty authorized road tanker is carried out in presence of independent surveyor in the weighing bridge scale, further tanker is placed for loading from the ship, after ensuring proper hose connections and proper discharge procedure to be followed .Final measurement of loaded tanker is carried out in presence of independent surveyor .
- 6) After completion of discharge from the vessel, the reception certificate is issued by the port /port approved contractor to the vessel.
- 7) The sludge/waste oil received in authorised road tanker is shifted to the reception area to settle free water. The settled water containing traces of oil are transferred to ETP by using compressed air and are treated in ETP (Effluent Treatment Plant) for separation of oil and water.
- 8) After separation of oil and water from sludge/waste oil at primary separation chamber, separated water's PPM is checked by OCM-2 alarm and below 10PPM water is drained out and the drain line to be monitored by physical inspection. More than 10PPM liquid goes for further settling in a portable tank using compressed air and pumped for settling and transferring after separation of oil and water. Timing for entire process will be noted and ETP to be flushed after use with fresh water.
- 9) Waste oil obtained after separation in ETP is pumped to authorized road tanker. Same authorized road tanker is weighed under supervision of independent survey.
- 10) Import application filed and the quantity is taken for all port purposes before taking out the port area to authorised KSPCB recycling plant.

- 11) NMPA shall maintain form 10(manifest system) and KSPCB authorised waste oil recyclers shall maintain passbook under HWM Rules 2016 for transport of waste oil for recycling and disposal facility from NMPA premises.
- 12) All the above process and treatment of water at slop reception area is documented as per prescribed guidelines laid by NMPA and KSPCB.

Note:

- A. Sludge/Waste Oil received from Coastal vessel should directly take to port reception facility and after separation of free water, waste oil shall be sent for KSPCB authorized waste oil recycling plant through KSPCB authorized tanker .The free water shall be treated in exiting ETP and treated water shall be discharged after meeting the standards specified by the KSPCB.
- B. Waste water treatment /disposal/separation in ETP treatment of foreign and coastal Sludge/waste shall be carried out separately and shall not be inter-mixed for any reason.
- C. ETP to be used for one consignment at any point of time .ETP and portable tank to be flushed after each use.
- D. Slop/Bilge oily water/ballast Water Containing oil received from foreign vessels and Sludge oil /waste oil received from foreign vessels merits to be treated separately in ETP and same may be strictly adhered to. Likewise foreign and coastal origin cargo (Slop/Bilge oily water/ballast Water Containing oil and Sludge oil /waste oil) merits to be treated separately in ETP without intermixing at any stage.

iv. Foreign Vessels - Reception and disposal of Sludge/Waste Oil by the Authorised KSPCB Road Tankers at NMPA

- 1) On the request from calling vessel/the agent, permission is taken from the Port/Customs/CISF for discharge of sludge/waste oil.
- 2) Inform terminal after permission from port regarding reception of Sludge/waste oil.
- 3) Sludge/Waste Oil discharge through existing pipeline is not possible as viscosity of Sludge/Waste Oil is higher than water, Collection of Sludge/Waste Oil is through KSPCB authorised road tankers and in some cases Sludge/Waste Oil are received in barrels from the calling vessel.
- 4) Before receiving sludge oil/waste oil from vessel, initial sounding of the vessel tank and after discharge, final sounding of the vessel tank to be done by independent surveyor to access the quantity and certified by the custom, who will also draw sample for identification of water and oil content in the sludge/waste oil for custom purposes.
- 5) Initial weighment of empty authorized road tanker is carried out in presence of independent surveyor and certified by the custom in the weighing bridge scale, further same tanker is placed for loading from the ship, after ensuring proper hose

- connections and proper discharge procedure to be followed .Final measurement of loaded same tanker is carried out in presence of independent surveyor and certified by the custom.
- 6) After completion of discharge from the vessel, the reception certificate is issued by the port /port approved contractor to the vessel and entry in the NMPA HWM pass book based on the Quantity discharged from the vessel based on Point no.4 and same to be certified by the Master/Chief Engineer of the Vessel or its representative.
 - 7) The sludge/waste oil received in authorised road tanker is shifted to the reception area to settle free water. The settled water containing traces of oil are transferred to ETP by using compressed air and are treated in ETP (Effluent Treatment Plant) for separation of oil and water.
 - 8) After separation of oil and water from sludge/waste oil at primary separation chamber, separated water's PPM is checked by OCM-2 alarm and below 10PPM water is drained out and the drain line to be monitored by physical inspection. More than 10PPM liquid goes for further settling in a portable tank using compressed air and pumped for settling and transferring after separation of oil and water. Timing for entire process will be noted and ETP to be flushed after use with fresh water.
 - 9) Waste oil obtained after separation from ETP is pumped to road tankers. Samples are drawn from the loaded tanker for customs purpose. Loaded tanker is then weighed under Customs supervision and Bill of Entry is then filed for assessment and payment of customs duty for the quantity of waste oil in the road authorized tanker and the same quantity is taken for all port purposes. Pass out order is issued by Customs.
 - 10) If discharge operations happen simultaneously from two or more vessels, the bills of entry to be filed separately for each vessel (for clearance of waste/contaminated oil) based on the oil and water content as estimated in the independent surveyor's reports based on samples drawn by them separately from each vessel.
 - 11) NMPA shall maintain form 10(manifest system) and KSPCB authorised waste oil recyclers shall maintain passbook under HWM Rules 2016 for transport of waste oil for recycling and disposal facility from NMPA premises.
 - 12) All the above process and treatment of water at slop reception area is documented as per prescribed guidelines laid by NMPA and KSPCB.

Note:

- A. Sludge/Waste Oil received from foreign vessel should directly take to port reception facility and after separation of free water, waste oil shall be sent for KSPCB authorized waste oil recycling plant through KSPCB authorised tanker .The free water shall be treated in exiting ETP and treated water shall be discharged after meeting the standards specified by the KSPCB.
- B. Waste water treatment /disposal/separation in ETP treatment of foreign and coastal Sludge/waste shall be carried out separately and shall not be inter-mixed for any reason.
- C. ETP to be used for one consignment at any point of time. ETP and portable tank to be flushed after each use.
- D. Slop/Bilge oily water/ballast water containing oil received from foreign vessels and Sludge oil /waste oil received from foreign vessels merits to be treated separately in ETP and same may be strictly adhered to. Likewise foreign and coastal origin cargo (Slop/Bilge oily water/ballast water containing oil and Sludge oil /waste oil) merits to be treated separately in ETP without intermixing at any stage.

3. MARPOL ANNEX-II

Standard Procedure for disposal of Noxious liquid substances/Cargo residue washing water with chemicals / liquid chemicals from vessel visiting New Mangalore Port (Annex-II)

- The master/ shipping agent on behalf of vessel will intimate the quantity and details of Noxious liquid substances / Cargo residue washing water with chemicals /liquid chemicals to port the through Swachh Sagar Portal.
- According to the declaration from vessel at swachh Sagar Portal, the port will inform Terminal Managers of the respective firms of the cargo receiver for reception and transportation of Noxious liquid substances / liquid chemicals from port.
- The receiver must make necessary arrangement for collection of liquid chemicals from the vessel.
- The concerned shipping agent / Terminal Managers of the cargo receivers has to obtain necessary permission from the Port Authority & Customs for each vessel for disposal of Noxious liquid substances / liquid chemicals.
- The detail of authorized vehicle with GPS tracking and experienced personnel involved in the reception and transportation of Noxious liquid substances / liquid chemicals to be intimated to port by taking the permission .
- The reception operation to be commence in presence in pollution control officer of the port.
- The waste delivery receipt for the Noxious liquid substances / liquid chemicals disposed has to be signed by master of vessel and the terminal manager of cargo receiver.
- The copy of waste delivery receipt to be submitted/forwarded by shipping to the Pollution Control Cell of Marine Department, NMPA (marpol-res@NMPA.gov.in).
- The Terminal Managers of the cargo receivers has to obtain the Bill of entry with applicable duty paid if any which must not charge from the vessel or otherwise Declaration of customs must be submitted to the pollution control cell of NMPA. (marpol-res@NMPA.gov.in)

Note:

- As per the D.G.Shipping Circular No.6 of 2018 “Utilization of Centralized Port Reception Facility Portal: Swachh Sagar” each vessel must declare waste quantities on ship and port have to ensure that Advance Notification as per Swachh Sagar Portal is forwarded through Steamer Agent or directly to the Port prior berthing for intended disposal of Noxious liquid substances / liquid chemicals.
- Steamer agent has to ensure Advance Notification is positively filled up specifying Noxious liquid substances / liquid chemicals, quantity of waste etc. complying the MARPOL (Annex-IV) Regulations.
- The authorized truck nominated by agency and approved by the Port shall organize and perform disposal work duly following the occupational protection, fire safety, sanitary, without causing any hindrance to port operation, environmental as per requirements.
- The work shall be carried out 24x7.
- Spill /leakage from tanker is not accepted at any time.

4. MARPOL ANNEX-IV

Standard Procedure for disposal of Sewage from the vessel at New Mangalore Port. (Annex-IV)

- Through SwachhSagar Portal, the Master/Steamer Agent on behalf of vessel would intimate the quantity to the Executive Engineer (Mtc-II) of Sewage Treatment Plant, NMPA /or by mail /contact number for necessary arrangements of disposal of sewage as provided in the website.
- The shipping agents/Master of the vessel has to obtain necessary permission from the Port Authorities & Customs before disposal of sewage.
- The shipping agent shall arrange for sewage tankers authorized by the Mangalore City Corporation (MCC) for transportation of sewage, without undue delay as per the quantity declared. The tankers engaged for collection of sewage has to take necessary permission from the Port before entering to the Port wharf area for loading of sewage, duly informing the Pollution control cell of marine department NMPA(marpol-res@NMPA.gov.in).
- The operation of loading and unloading of vessel sewage is to be monitored by EE (MTC-II) and Pollution team, NMPA
- The MCC authorized sewage tankers should collect the sewage from the vessel and transport the same directly to the New Mangalore Port Sewage Treatment Plant.
- The NMPA Executive Engineer (Mtc-II) has to make necessary arrangements at NMPA Sewage Treatment Plant for receiving the sewage from the tankers complying the KSPCB guidelines.
- After obtaining the permission from Executive Engineer (Mtc-II) , Incharge of NMPA Sewage Treatment Plant, the MCC sewage tankers may discharge the to NMPA STP.
- The copy of waste delivery receipt of sewage disposed at NMPA STP to be endorsed by the Masters and same to be submitted to Pollution control cell by the shipping agents
- The copy of the waste delivery receipt to be uploaded in the Swatch Sagar.
- The service charges for hiring the sewage tankers by the shipping agents as per the Mangalore City Corporation rates and no other handling charges will be applicable
- NMPA STP facility is provided for receiving sewage from the vessel will be at free of cost

Note:

- As per the D.G.Shipping Circular No.6 of 2018 “Utilisation of Centralized Port Reception Facility Portal: SwachhSagar” each vessel must declare waste quantities on ship and port have to ensure that Advance Notification as per Swachhagar Portal is forwarded through Steamer Agent or directly to the Port prior berthing .
- Steamer agent has to ensure Advance Notification is positively filled up specifying the category of the waste, quantity of waste etc. complying the MARPOL (Annex-IV) Regulations including sewage.
- The authorized truck nominated by agency and approved by the MCC shall organize and perform disposal work duly following the occupational protection, fire safety, sanitary, without causing any hindrance to port operation, environment as per statutory requirements.
- The work shall be carried out 24x7.
- Spillage / leakage of sewage water is not accepted at any time.

5. MARPOL ANNEX-V

i. Standard Procedure for Collection, Segregation and Disposal of vessel generated garbage at New Mangalore Port Authority (Annex-V)

- Through SwachhSagar Portal, the master/ steamer agent on behalf of vessel to intimate the garbage collecting agency approved by the Port for collection of garbage about the category of waste in order to arrange necessary receptacles and vehicles for proper collection without undue delay.
- On the request from the vessel, the garbage collecting agency has to obtain necessary permission from the Port Authority & Customs for each vessel in order to board the vessel for collection of garbage in each case.
- The garbage should be collected by the designated Agency duly following the terms and conditions of the Work Order issued by the Port and Segregation of the garbage to be carried out as per the Municipal Solid Waste Rule, no mixing of garbage is allowed at any point of time.
- The copy of waste delivery receipt to be submitted/forwarded to the Pollution control cell of marine department NMPA (marpol-res@NMPA.gov.in) after collection of garbage from each and every ship.
- Copies of the Waste Delivery Receipt, Permission letter obtained from the Port/Customs and any other documents as required at the gate are to be produced while going out from the Port.
- The quantity of garbage taken out from the Port is to be transported directly and disposed off in the designated garbage dump area of the Mangalore City Corporation duly obtaining the necessary receipt for the same from the MCC.
- The Garbage Collecting Agency has to submit the receipts received from the Mangalore City Corporation to the Pollution control cell (marpol-res@NMPA.gov.in) on monthly basis.
-
- The Garbage Collecting Agency of the Port shall provide copies of following to the Port:
 - Permission letters issued by the port/customs for clearing of waste/garbage along with type and quantity.
 - Waste Delivery Certificate signed by the Master of the vessel and issued to the vessel.
 - Waste Delivery Receipt issued by the Mangalore City Corporation (in standard format)

Note:

- As per the D.G.Shipping Circular No.6 of 2018 “Utilization of Centralized Port Reception Facility Portal: SwachhSagar” each vessel has to declare waste quantities on ship and port have to ensure that Advance Notification as per SwachhSagar Portal is forwarded through Steamer Agent or directly to the Port prior berthing for intended disposal of garbage.
- Steamer agent has to ensure Advance Notification is positively filled up specifying the category of the waste, quantity of waste etc. complying the MARPOL (Annex-V) Regulations
- Garbage collecting agency approved by the Port shall follow all organizational requirements of notification, permission, reception and delivery of ship-generated waste

and cargo residues established as per work order. If any violation of requirements of the port is observed, necessary actions deemed fit will be initiated.

- Waste will be collected and transported out from port premises (no scope for storing the waste in premises).
- Mixing of different types of ship-generated garbage shall not be accepted at any period of time.
- Indulging in smuggling or any other illegal activity is prohibited and contract for disposal of garbage is liable to be terminated.
- Garbage collecting Agency approved by the Port shall organize and perform collection, segregation and disposal work duly following the occupational protection, fire safety, sanitary, without causing any hindrance to port operation, environmental and other statutory requirements.
- The work shall be carried out 24x7.

ii. Standard Operating Procedure for Collection and disposal of used cooking oil, Fishing Gear, Expired Medicine, waste, used batteries at NMPA.

- Through SwachhSagar Portal the master/ steamer agent on behalf of the vessel to intimate the collecting agency designated by the Port for collection of wastes such as used cooking oil, expired medicine, Fishing Gear, e-waste and used batteries in order to arrange necessary receptacles and vehicles for proper collection before vessel berthing.
- On the request from the vessel, the collecting agency has to obtain necessary permission from the Port & Customs for each vessel in order to board the vessel for collection of cooking oil, expired medicine, Fishing Gear, e-waste and used batteries.
- A standard format of waste delivery receipt provided by the D.G. Shipping to be filled up and signed by the vessel and garbage collecting agency for collection of used cooking oil, fishing gear ,expired medicine, e-waste and used batteries.
- The copy of waste delivery receipt to be submitted/forwarded to the Pollution control cell of marine department (marpol-res@NMPA.gov.in) by the collecting agency soon after collection for every ship.
- The expired medicine collected has to be certified by the Port Health Officer, NMPA before disposal.
- Fishing Gear, used cooking oil, E-waste and used batteries has to be declared to the Customs .Collecting agency has to obtain the bill of entry with applicable duty paid if any or otherwise declaration of customs may be submitted to the pollution control cell of NMPA. (marpol-res@NMPA.gov.in)
- Copies of the Waste Delivery/ Receipt, Permission letter obtained from the Port/Customs and any other documents required at the port gate are to be produced while going out from the Port.
- The used expired medicine, Fishing Gear, e-waste and used batteries quantity taken out from the Port is to be transported directly and disposed off to respective KSPCB authorized recyclers and obtain necessary receipt for the same. The copies of the receipts obtained are to be submitted to the Pollution control cell (marpol-res@NMPA.gov.in)on monthly basis.
- Used cooking oil is to be transported directly and disposed off NMAM institute of technology, Udupi which is approved by Karnataka Bio-fuel Development Board and obtain necessary receipt for the same.

- The collecting agency of the Port shall provide copies of following to the Port:
 - Permission letters issued by the port/customs for clearing of used cooking oil, fishing gear, expired medicine, e-waste and used batteries along with the quantity.
 - Bill of entry / custom declaration of landed item certified from the customs.
 - Waste Delivery Certificate signed by the Master of the vessel and issued to the vessel.
 - Waste Delivery Receipt issued by the authorized KSPCB recyclers (in standard format) and NMAM institute of technology, Udupi (for used cooking oil) for procedure disposal.

Note:

- As per the D.G.Shipping Circular No.6 of 2018 “Utilization of Centralized Port Reception Facility Portal: Swachh Sagar” each vessel has to declare waste quantities on ship and port have to ensure that Advance Notification as per SwachhSagar Portal is forwarded through Steamer Agent or directly to the Port prior berthing for intended disposal of garbage.
- Steamer agent has to ensure that Advance Notification is positively filled up specifying the category of the waste, quantity of waste etc. complying the MARPOL (Annex-V) Regulations
- Collecting agency approved by the Port shall follow all organizational requirements of notification, permission, reception and delivery of ship-generated waste and cargo residues established as per work order. Upon violation of requirements of the port, necessary actions deem fit will be initiated.
- Waste will be collected and transported out from port premises (no scope for storing the waste in premises).
- Mixing of different types of ship-generated garbage shall not be accepted at any period of time. Hazardous waste like e-waste, used batteries etc are to be collected and disposed off complying the laid down guidelines.
- Indulging in smuggling or any other illegal activity is prohibited and contract for disposal of garbage is liable to be terminated.
- Collecting agency approved by the Port shall organize and perform collection, segregation and disposal work duly following the occupational protection, fire safety, sanitary, without causing any hindrance to port operation, environmental and other statutory requirements.
- The work shall be carried out 24x7.

6. PAPER CONSERVATION

- Ensure segregation of waste papers
- Keep a tray in the working tables for keeping one sided used papers separately and identify them
- Reuse one sided used papers for rough work, taking rough prints, photocopy, fax etc.
- Do not burn papers, if required may be shredded
- Do not fold waste paper
- Check the final draft of documents in the computer – avoid rough prints to the extent possible
- Use email for internal and external communication
- Sell unusable paper to interested parties for recycling
- Remember, more use of fresh paper means cutting of more trees.

7. LIST OF INTERNATIONAL & LOCAL LEGISLATION

1. MARPOL 73/78 – Consolidated Edition 2002
2. MARPOL 73/78 – Consolidated Edition 1997.
3. Indian Ports Act 1908 (Act No. 15 of 1908)
4. The Merchant Shipping Act 1958 (Act No. 44 of 1958) (2000)
5. The Environment (Protection) Act, 1986 & The Environment (Protection) Rules 1986 with Hazardous Wastes (Management & Handling) Rules 1989 a latest case laws.
6. Annex VI of MARPOL 73/78 – Regulation for the Protection of Air Pollution from ships &NOX Technical code. Resolution MEPC. 199 (62)
7. Provision concerning the Reporting of incidents involving harmful substances, under MARPOL 73/78 (1999 Edition)
8. SOLAS consolidated Edition 2001.
9. The Air (Prevention and Control of Pollution) Act, 1981 (Act No. 14 of 1981) along with The Air (Prevention and control of pollution) Rules, 1982 and The Air (Prevention and Control of Pollution) (Union Territories) Rules 1983.(1999 Edition)
10. The Water (Prevention and Control of Pollution) Act, 1974 and Rules 1975. Central Board for Prevention and Control of Water Pollution (Procedure for Transaction of Business) Rules 1975 and the Water (Prevention and Control of Pollution) Less Act – 1977 and Rules 1978.
11. The Major Port Trust Act, 1963.
12. The IMO manual “Port Reception Facilities – How to do it,” 2015
13. 2012 Guidelines for the implementation of MARPOL Annex V, MEPC 219 (63)
14. Guidelines for ensuring adequacy of Port Waste Reception Facilities, MEPC 83 (44), 2000

APPENDIX 1

FORMAT FOR REPORTING ALLEGED INADEQUACIES OF PORT RECEPTION FACILITIES

The master of a ship having encountered difficulties in discharging waste to reception facilities should forward the information below, together with any supporting documentation, to the Administration of the flag State and, if possible, to the competent Authorities in the port State. The flag State shall notify IMO and the port State of the occurrence. The port State should consider the report and respond appropriately informing IMO and the reporting flag State of the outcome of its investigation.

1 SHIP'S PARTICULARS

1.1 Name of ship: _____

1.2 Owner or operator: _____

1.3 Distinctive number or letters: _____

1.4 IMO Number²: _____

1.5 Gross tonnage: _____

1.6 Port of registry: _____

1.7 Flag State³: _____

1.8 Type of ship:

- Oil tanker Chemical tanker Bulk carrier
 Other cargo ship Passenger ship Other (specify) _____

2 PORT PARTICULARS

2.1 Country : _____

2.2 Name of port or area: _____

2.3 Location/terminal name: _____
(e.g. berth/terminal/jetty)

2.4 Name of company operating
the reception facility (if applicable): _____

2.5 Type of port operation:

- Unloading port Loading port Shipyard
 Other (specify) _____

2.6 Date of arrival: ___/___/___ (dd/mm/yyyy)

2.7 Date of occurrence: ___/___/___ (dd/mm/yyyy)

2.8 Date of departure: ___/___/___ (dd/mm/yyyy)

1 This format was approved by MEPC 53.

2 In accordance with the IMO ship identification number scheme, adopted by the Organization by Assembly resolution A.1117(30).

3 The name of the State whose flag the ship is entitled to fly.

3 INADEQUACY OF FACILITIES

3.1 Type and amount of wastes/residues for which the port reception facility was inadequate and nature of problems encountered

Type of wastes/residues	Amount for discharge (m ³)	Amount not accepted (m ³)	Problems encountered Indicate the problems encountered by using one or more of the following code letters, as appropriate. A No facility available B Undue delay C Use of facility technically not possible D Inconvenient location E Ships had to shift berth involving delay/cost F Unreasonable charges for use of facilities G Other (please specify in paragraph 3.2)
MARPOL Annex I - related			
Oily bilge water			
Oily residues (sludge)			
Oily tank washings (slops)			
Dirty ballast water			
Scale and sludge from tank cleaning			
Other (please specify)			
MARPOL Annex II - related			
Category of NLS ⁴ residue/water mixture for discharge to facility from tank washings:			
Category X substance			
Category Y substance			
Category Z substance			
MARPOL Annex IV - related			
Sewage			
MARPOL Annex V - related			
A. Plastics			
B. Food wastes			
C. Domestic wastes			
D. Cooking oil			
E. Incinerator ashes			
F. Operational wastes			
G. Animal carcasses			
H. Fishing gear			
I. E-waste			
J. Cargo residues (non-HME) 5			
K. Cargo residues (HME)5			

MARPOL Annex VI – related			
Ozone-depleting substances and equipment containing such substances			
Exhaust gas-cleaning residues			

4 Indicate, in paragraph 3.2, the proper shipping name of the NLS involved and whether the substance is designated as "solidifying" or "high viscosity" as per MARPOL Annex II, regulation 1, paragraphs 15.1 and 17.1 respectively.

5 Indicate the proper shipping name of the dry cargo.

3.2 Additional information with regard to the problems identified in the above table.

3.3 Did you discuss these problems or report them to the port reception facility?

Yes No

If Yes, with whom (please specify)

If Yes, what was the response of the port reception facility to your concerns?

3.4 Did you give prior notification (in accordance with relevant port requirements) about the ship's requirements for reception facilities?

Yes No Not applicable

If Yes, did you receive confirmation on the availability of reception facilities on arrival?

Yes No

4 ADDITIONAL REMARKS/COMMENTS

Master's signature

Date: __/__/____ (dd/mm/yyyy)

APPENDIX 2

STANDARD FORMAT FOR THE WASTE DELIVERY RECEIPT

The designated representative of the reception facility provider should provide the following form to the master of a ship that has just delivered wastes/residues.

This form shall be retained on board the ship along with the appropriate Oil Record Book, Cargo Record Book or Garbage Record Book.

1. RECEPTION FACILITY AND PORT PARTICULARS

1.1 Location/Terminal name:
1.2 Reception facility provider(s)
1.3 Treatment facility provider(s) – if different from above:
1.4 Waste/residue Discharge Date and Time from: to

2. SHIP PARTICULARS

2.1 Name of ship:	2.5 Owner or operator:
2.2 IMO number:	2.6 Distinctive number or letters:
2.3 Gross tonnage:	2.7 Flag State:
2.4 Type of ship: <input type="checkbox"/> Oil tanker <input type="checkbox"/> Chemical tanker <input type="checkbox"/> Bulk carrier <input type="checkbox"/> Container <input type="checkbox"/> Other cargo ship <input type="checkbox"/> Passenger ship <input type="checkbox"/> Ro-ro <input type="checkbox"/> Other (specify)	

3. TYPE AND AMOUNT OF WASTES/RESIDUES RECEIVED

MARPOL Annex I – Oil	Quantity (m ³)	MARPOL Annex V – Garbage	Quantity (m ³)
Oily bilge water		A. Plastics	
Oily residues (sludge)		B. Food wastes	
Oily tank washings		C. Domestic wastes	
Dirty ballast water		D. Cooking oil	
Scale and sludge from tank cleaning		E. Incinerator ashes	
Other (please specify)		F. Operational wastes	
Quantity (m³)/Name¹	Quantity (m³)/Name¹	G. Animal carcasses	
Category X substance		H. Fishing gear	
Category Y substance		I. E-waste	
Category Z substance		J. Cargo residues (non-HME) ²	
OS – other substance		K. Cargo residues (HME) ²	

MARPOL Annex IV – Sewage	Quantity (m ³)	MARPOL Annex VI – related	Quantity (m ³)
		Ozone-depleting substances and equipment containing such substances	
		Exhaust gas-cleaning residues	

On behalf of the port facility I confirm that the above wastes/residues were delivered.

Signature: Full Name and Company Stamp:

1 Indicate the proper shipping name of the NLS involved.

2 Indicate the proper shipping name of the dry cargo.

167



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 327576

Valid upto: 30/06/2022

Karnataka State Pollution Control Board
Parishram Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080 25589444/3, 25581383
Fax:080 25586321
email id: board.kspcb.gov.in

(This document contains 5 pages excluding annexure)

I	3.3~Sludge And Filters Contaminated With Oil	0.000 KLT	As Per Annexure
I	33.1~Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	5.200 M.T	As Per Annexure
I	4.3~Slop Oil	0.000 KLT	As Per Annexure
I	5.2~Wastes Residues Containing Oil	0.000 KLT	As Per Annexure
I	B1~Metal and metal-bearing wastes	500.000 M.T	As Per Annexure
I	35.1~Exhaust Air or Gas cleaning residue	0.001 M.T	As Per Annexure
III	B2020~Glass wastes in non-dispersible form:- Cullet and other waste and scrap of glass except for glass from cathode-ray tubes and other activated glasses	0.500 M.T	As Per Annexure
III	B2030~Ceramic wastes in non-dispersible form:- Cermet wastes and scrap (metal ceramic composites).- Ceramic based fibres	0.500 M.T	As Per Annexure
III	B3040~Rubber Wastes-The following materials, provided they are not mixed with other wastes:- Waste and scrap of hard rubber (e.g., ebonite).- Other rubber wastes (excluding such wastes specified elsewhere)	15.000 M.T	As Per Annexure

Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 327576

Valid upto: 30/06/2022

Karnataka State Pollution Control Board
Parisara Bhayana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: hwa@kspcb.gov.in

165

(This document contains 5 pages excluding annexure)

I	35.4~Oil and grease skimming	155.000 KLT	As Per Annexure
I	4.1~Oily Sludge Emulsion	500.000 KLT	As Per Annexure
I	5.1~Used Spent Oil	0.000 KLT	As Per Annexure
III	DB3020~Paper, paperboard and paper product wastes * * The following materials, provided they are not mixed with hazardous wastes: Waste and scrap of paper or paperboard of: - unbleached paper or paperboard or of corrugated paper or paperboard, - other paper	0.500 M.T	As Per Annexure
I	B1110~Used Electrical and electronic assemblies other than those listed in Part D of Schedule III Electronic assemblies consisting only of metals or alloys Waste electrical and electronic assemblies or scrap (including printed circuit boards) not contain	5.000 M.T	As Per Annexure

1. The authorization shall be valid for a period upto 30/06/2022

A.-General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission

145

Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
(Management & Transboundary
Movement) Rules, 2016

Authorization No: 327576

Valid upto: 30/09/2022

Karnataka State Pollution Control Board
Parivara Bhavan No.19, C Block
City of Bangalore 560004
Tel: 080 25589111, 25581384
Fax: 080 25586374
email id: kspcb.gov.in

(This document contains 5 pages excluding annexure)

of the KSPCB.

4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time
11. An application for the renewal of an authorization shall be made '3' months before the date of expiry.
12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.
15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
17. The hazardous and other waste which gets generated during recycling or reuse or recovery or re-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
18. The transportation of hazardous waste shall have to be carried out only through registered/authorized

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25/10/2021

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Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 327576

Valid upto: 30/06/2022

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

164

(This document contains 5 pages excluding annexure)

vehicles meant for transportation of hazardous waste.

19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).
20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

Additional Conditions:

General Conditions Nil are not applicable.

For and on behalf of the
Karnataka State Pollution Control Board

CHIEF/SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Signature Not Verified

Digitally signed by

Date: 2021.10.26 14:42:08

+05:30

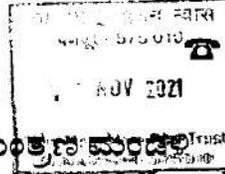
ADDITIONAL CONDITIONS TO ACCOMPANY AUTHORISATION ISSUED UNDER THE PROVISIONS OF THE HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016 OF M/S NEW MANGALORE PORT TRUST (NMPT), SY. NO. 218/A, UJINI ROAD, KUDLIGI TALUK, BELLARY DISTRICT

PCB ID: 10192

Category of hazardous waste as per Schedule - I	Description of hazardous waste generated	Authorized Quantity of HW	Treatment and disposal methods to be adopted
5.1	Used Oil	4,000 KL/A	Shall be stored in secured manner and handed over to KSPCB authorized re-processor
33.1	Empty Barrels of Oils & lubricants	239 No's/A (5.2 MT/A)	Shall be stored in secured manner and handed over to KSPCB authorized recycler
35.1	Exhaust gas cleaning residues	0.01 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
37.1	Sludge from wet scrubber	0.25 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
37.2	Flue gas cleaning residue	0.25 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
35.4	Oil skimmed residue	155 KL/A	Shall be stored in secured manner and handed over to KSPCB authorized re-processor
35.3	Chemical Sludge from waste water treatment plant	600 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
Other Waste			
B3020	Paper waste	0.5 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B2030	Ceramic Waste	0.5 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B1010	Metal waste	500 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B3040	Rubber waste	15 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user

ಕರ್ನಾಟಕ / Fax : U80-25586321
ಇಮೇಲ್ / E-mail : ho@kspcb.gov.in
ವೆಬ್‌ಸೈಟ್ / Website : http://kspcb.gov.in

DM/Env/Off



25581383, 25589112
25588151, 25588270
25588142, 25586520

By Major ENV

18/11/21

19-11-2021
14/5
22/11/21

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ Karnataka State Pollution Control Board

ಪರಿಸರಭವನ, 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ಸಂ.49, ಚರ್ಚ್‌ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA
No. PCB/110/WMC/2015 4013 Dated: 5 NOV 2021

ADDENDUM

Sub: Addendum to the Authorization issued under the Hazardous & Other Water (Management & Transboundary Movement) Rules, 2016 in respect of M/s. New Mangalore Port Trust, Panambur, Mangalore - reg.

- Ref:**
1. Provisions of Hazardous and other Waste (Management & Transboundary Movement) Rules, 2016
 2. Authorization application submitted by the Occupier of the facility Dated: 12/06/2020
 3. Board Office letters seeking information Dated: 09/02/2021 Proceeding of the Personal hearing Held on 10/08/2021, Dated: 25/10/2021
 4. Authorizations issued under the provisions of the Hazardous and Other Waste (Management and Trans-boundary Movement Rules, 2016 No. 327576 PCB ID: 3210192 dt: 25/10/2021.
 5. Representation of Port authorities vide letter Dated: 26/10/2021



<<<<>>>

The Board has issued Authorization under the Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016 to Occupier of New Mangalore Port Trust, Panambur, Bangalore 575 010 vide reference (5) for handling various categories of Hazardous and Other Waste generated due to Port operation and wastes generated various vessels for the period up to 30/06/2022.

The Board has invited Port authorities for technical presentation before considering issue of authorization, as the industry has requested to include new categories of Hazardous Waste which were not included in the earlier authorization issued upto 30/06/2020 and decision was taken to consider inclusion of additional categories of Hazardous Waste in the authorization on submission of report on method of collection and mode of disposal within 30 days.

Port authorities vide letter cited at ref. (5) submitted representation, informed that, the Port was handling various categories of oily bearing waste viz Cargo residue/washings water and sludge containing oil, Cargo residue and sludge containing chemicals, Sludge & filters contaminated with Oil, Ballast waste containing oil from the ships, slop oil and Waste residue containing oil is being under the category of used oil (5.1) and as specific categories are available, port prefers to handle the same under the respective categories.. Also, the Port authorities have further submitted that, traffic is likely to increase by 10 to 20 % as port is contemplating to provide services for the vessels at anchorage and SBM through barges for disposal of slop and sludge due which the quantity is likely to increase. The Port Authorities have requested to issue necessary amendment to authorization issued via ref. (4) for the quantities indicated in letter cited at ref. (5). The request of authorities is examined keeping in view of the operation required to be undertaken while handling waste received from ships/vessels of various types and felt the need to amend the authorization in order to do proper handling visa -a- vis proper inventory of various categories of Hazardous Waste generated within the state as per afore said Rules.

18/11/21
19/11/21

"ಪ್ಲಾಸ್ಟಿಕ್ ಬಳಕೆ ನಿಲ್ಲಿಸಿ, ಪರಿಸರ ಕಾಣಿ ಸ್ವಚ್ಛಿ"

AVOID USE OF PLASTICS- BE ECO FRIENDLY

Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016
Authorization No: 327576

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586324
email id: hots@kspcb.gov.in

Valid upto: 30/06/2022

(This document contains 5 pages excluding annexure)

Authorization No: 327576 PCB ID: 10192 Date: 25/10/2021

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION
CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER
AND OPERATORS OF DISPOSAL FACILITIES**

Ref: 1. Authorization application submitted by the industry/organization on 01/10/2020 at
Regional Office.

2. Inspection of the project site/organization by Regional Officer , Mangalore on 10/12/2020
3. Proceedings of CCM dated: , held on:

1. Number of authorization 327576 and date of issue 25/10/2021

2. Reference of application No: 92172 Inward Date 01/10/2020

3. Chairman of New Mangalore Port Trust is hereby granted an authorization based on the enclosed signed
inspection report for Generation, Collection, Reception or any other use of hazardous or other wastes or both
on the premises situated at the location **Address:** South Kuloor River , Panambur **Industrial Area**
; Mangalore . **Taluk:** Mangalore , **District :** Dakshina Kannada

Details of Authorization:

Category of Hazardous waste as per the Schedule I, II & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
I	34.2~Sludge from treatment of waste water arising out of cleaning / disposal of barrels/containers	0.000	M.T	As Per Annexure
I	35.3~Chemical Sludge From Waste Water Treatment	600.000	M.T	As Per Annexure
	3.1~cargo residue, washing water and sludge containing oil	0.000	KLT	As Per Annexure
	3.4~Ballast Water Containing Oil From Ships	0.000	KLT	As Per Annexure
I	3.2~cargo residue and sludge containing chemicals	0.000	KLT	As Per Annexure

167



Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 327576

Valid upto: 30/06/2022

Karnataka State Pollution Control Board
Pulicava Bldg, No. 19, Church Street, Bengaluru 560001
Tele : 080 255891123, 25581383
Fax: 080 25586324
email id: ksoa.kspcb.gov.in

(This document contains 5 pages excluding annexure)

I	3.3-Sludge And Filters Contaminated With Oil	0.000 KLT	As Per Annexure
I	33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	5.200 M.T	As Per Annexure
I	4.3-Slop Oil	0.000 KLT	As Per Annexure
I	5.2-Wastes Residues Containing Oil	0.000 KLT	As Per Annexure
I	B1-Metal and metal-bearing wastes	500.000 M.T	As Per Annexure
I	35.1-Exhaust Air or Gas cleaning residue	0.001 M.T	As Per Annexure
III	B2020-Glass wastes in non-dispersible form:- Cullet and other waste and scrap of glass except for glass from cathode-ray tubes and other activated glasses	0.500 M.T	As Per Annexure
III	B2030-Ceramic wastes in non-dispersible form:- Cermet wastes and scrap (metal ceramic composites),- Ceramic based fibres	0.500 M.T	As Per Annexure
III	B3040-Rubber Wastes-The following materials, provided they are not mixed with other wastes:- Waste and scrap of hard rubber (e.g., ebonite),- Other rubber wastes (excluding such wastes specified elsewhere)	15.000 M.T	As Per Annexure

Form 2 [Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016
Authorization No: 327576

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Fax: 080-25586324
email id: kspcb.gov.in

186

Valid upto: 30/06/2022

(This document contains 5 pages excluding annexure)

I	35.4-Oil and grease skimming	155.000 KLT	As Per Annexure
I	4.1-Oily Sludge Emulsion	500.000 KLT	As Per Annexure
I	5.1-Used Spent Oil	0.000 KLT	As Per Annexure
III	DB3020-Paper, paperboard and paper product wastes ** The following materials, provided they are not mixed with hazardous wastes: Waste and scrap of paper or paperboard of: - unbleached paper or paperboard or of corrugated paper or paperboard, - other paper	0.500 M.T	As Per Annexure
I	B1110-Used Electrical and electronic assemblies other than those listed in Part D of Schedule III Electronic assemblies consisting only of metals or alloys Waste electrical and electronic assemblies or scrap (including printed circuit boards) not contain	5.000 M.T	As Per Annexure

1. The authorization shall be valid for a period upto 30/06/2022

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission

145



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 327576

Valid upto: 30/06/2022

Karnataka State Pollution Control Board
Pariksha Bhavana, No. 49, Church
Street, Bangalore - 560001
Tele : 080 25589443, 25581383
Fax: 080 25586331
email id: kspcb.gov.in

(This document contains 5 pages excluding annexure)

of the KSPCB.

4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
11. An application for the renewal of an authorization shall be made **'3' months** before the date of expiry.
12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycle or reuse.
15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
17. The hazardous and other waste which gets generated during recycling or reuse or recovery or per-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
18. The transportation of hazardous waste shall have to be carried out only through registered/authorized

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164

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vehicles meant for transportation of hazardous waste.

19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).
20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

Additional Conditions:

General Conditions Nil are not applicable.

For and on behalf of the
Karnataka State Pollution Control Board

CHIEF/ SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Signature Not Verified

Digitally signed by
Date: 2021.10.26 14:42:08
+05:30

ADDITIONAL CONDITIONS TO ACCOMPANY AUTHORISATION ISSUED UNDER THE PROVISIONS OF THE HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016 OF M/S NEW MANGALORE PORT TRUST (NMPT), SY. NO. 218/A, UJINI ROAD, KUDLIGI TALUK, BELLARY DISTRICT

PCB ID: 10192

Category of hazardous waste as per Schedule - I	Description of hazardous waste generated	Authorized Quantity of HW	Treatment and disposal methods to be adopted
5.1	Used Oil	4,000 KL/A	Shall be stored in secured manner and handed over to KSPCB authorized re-processor
33.1	Empty Barrels of Oils & lubricants	239 No's/A (5.2 MT/A)	Shall be stored in secured manner and handed over to KSPCB authorized recycler
35.1	Exhaust gas cleaning residues	0.01 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
37.1	Sludge from wet scrubber	0.25 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
37.2	Flue gas cleaning residue -	0.25 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
35.4	Oil skimmed residue	155 KL/A	Shall be stored in secured manner and handed over to KSPCB authorized re-processor
35.3	Chemical Sludge from waste water treatment plant	600 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized TSDF
Other Waste			
B3020	Paper waste	0.5 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B2030	Ceramic Waste	0.5 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B1010	Metal waste	500 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B3040	Rubber waste	15 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user

B110	Electrical and electronic assemblies	5.0 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B1010	Copper cable with PVC insulation	5.0 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user
B2020	Glass waste	0.5 MT/A	Shall be stored in secured manner and handed over to KSPCB authorized actual user

Additional Conditions:

1. The handing over of the Hazardous and Other Wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user as per Rule 6(8) of HWM Rules, 2016.
2. The occupier shall obtain E-manifest while accept the waste and generate manifest for disposal of hazardous waste.


 SENIOR ENVIRONMENTAL OFFICER
 WMC- KSPCB

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**NEW MANGALORE PORT TRUST
MARINE DEPARTMENT**

Grams: PORTRUST
Phone: 0824-240419
Fax: 0824-2407419



Panambur,
Mangalore - 575010
Email: dyconservator@nmpt.gov.in

No. NMPT/DM/PORT RECEPTION/2021

Date: 03-02-2022

WORK ORDER

To,

M/s. JONAS PETRO PRODUCTS PRIVATE LIMITED
D.No.6-64/1, PLOT NO.277,
BAIKAMPADY INDUSTRIAL AREA,
MANGALORE - 575 011.
Ph. 0824-2408699, Fax: 0824-2409299
Email: jonaspetroproducts2010@gmail.com

Sir,

Sub: "Reception of slop/waste oil/sludge/bilge oily water/ ballast water containing oil from all areas of this Port i.e. Berths, SPM, Anchorage areas, Port Crafts, reception from incident site, residual tanks, etc and Vessels visiting at New Mangalore Port including operation & maintenance of Port Reception Facility for a period of five years" -Tender accepted-Work Order placed- Reg.

Ref: a) Tender No. NMPT/DM/PORT RECEPTION/2021 dated 15-09-2021
b) Your Bid No. Nil dated 04-10-2021

Accepting your tender mentioned under reference (b) for "Reception of slop/waste oil/sludge/bilge oily water/ ballast water containing oil from all areas of this Port i.e. Berths, SPM, Anchorage areas, Port Crafts, reception from incident site, residual tanks, etc and Vessels visiting at New Mangalore Port including operation & maintenance of Port Reception Facility for a period of five years", Order is hereby placed. You are requested to commence the operations under the said contract and commencement of Contract would be from the actual date of handover of the Port Slop Reception Facility after the Joint Inspection as stipulated in Clause No.45 of the Tender document.

For JONAS PETRO PRODUCTS PVT. LTD.

11/2/22

Signature

Signature
Director

Page 1 of 12



1058

15

The following few terms and conditions may be noted as specified in the tender document as part of this contract:

1 **COMMENCEMENT OF CONTRACT**

(Pre-bid clarification Sl. No. 5)

The Successful operator shall commence the job within **60 days from the date of issue of work order**. The contractor has to obtain necessary customs permission prior to commencement of contract.

2 **CONTRACT PERIOD (Clause No. 38 of GCC)**

The contract period is for **5 years** (Five years) from the date of commencement of contract.

3 **JOINT INSPECTION for Handing over of Port Reception Facility: (Clause No. 45 of GCC)**

A Joint inspection of Port Reception Facility will be carried out prior commencement of contract to assess the quantity of oily mixture in the storage tanks and inspection of equipment and system of Port Reception Facility as per handing over report.

Competent Surveyor to be arranged by the contractor for assessing the quantity of oily mixture at bidder's cost.

The Port Reception Facilities shall be handed over back to the Marine Department after completion of contract period in operative condition as handed over to the Contractor at the time of commencement of contract.

4 **PERFORMANCE SECURITY (Clause No. 40 of GCC)**

40.1 Performance Security should be **Rs.59,00,000/- (including GST)** and should be submitted as Bank Guarantee as per Format given in **Annexure-16** within **28 days** of issue of Work Order preferably from a **Nationalised / Scheduled Banks** with a validity of One year and claim period of 3 months. However the Bank Guarantee will have to be extended every year till completion of contract with a claim period of 3 months. Bidder has to renew the BG well in advance to avoid penalty / encashment.

40.2 Penalty @ **0.25%** on the value of Performance Security + GST shall be levied per week for each week or part thereof on delayed submission of BG.

40.3 Penalty @ **0.25%** on the value of Performance Security + GST shall be levied per week for each week or part thereof for non-renewal of BG before completion of 12 months. If the BG is not renewed within 75 days after completion of 12 months, action would be initiated for encashment of BG.

or JONAS PETRO PRODUCTS PVT. LTD.


Director



Page 2 of 12



49.2 The contractor shall provide all the services as mentioned vide Clause No.49.1 at free of charge.

49.3 To provide round the clock watch and ward at the Port Reception Facility for ensuring safety of the installation against theft, misuse etc. and to prevent unauthorised entry to the premises. The contractor is solely responsible for the safety of the equipment installed in the Port Reception Facility. Any loss on accounts of theft etc, due to negligence on the part of the contractor's personnel deployed at the site shall be recoverable from the contractor.

49.4 Records / documents / colour coding etc. to be maintained, reports / returns to be submitted periodically, permissions to be obtained as applicable to KSPCB & customs and is the responsibility of the contractor. The firm shall strictly comply with the rules & regulations of KSPCB/ MARPOL / customs department etc. with regards to handling of slop / oily waste / bilge oily water/ballast water containing oil and same will be verified by engineer in-charge and Environmental Adviser.

49.5 Swachh Sagar

a) As per the DG Shipping Circular/Order, "Swachh Sagar" web portal to be used by the contractor to provide reception facility as per request made by the ship/s master or owner in the Portal and the contractor has to upload waste delivery receipt and disposal receipt in the "Swachh Sagar" portal. The ship Masters shall declare the correct quantity of discharges in the aforementioned Portal.

b) Contractor has to maintain necessary documents for Annual Assessment of the port reception facility under the MARPOL 73/78 required by the Mercantile Marine Department/DG Shipping.

c) It is mandatory for the Ports, Ships, Terminals and Vendors to use Swachh Sagar for all MARPOL annexes discharges related requests as per DG Shipping order to avoid any malpractice and agency fees. If shipping agents or terminals not cooperating for Port Reception Facility same to be informed to the concerned Port Authority.

d) The contractor shall promptly obtain feedback forms from masters of the vessels for which services have been provided. In case of deficiency the contractor has to rectify immediately and comply.

49.6 TRANSPORTATION

a) The contractor should have authorization issued by the KSPCB for hazardous waste transport Vehicle and its validity. The transportation shall have to be carried out only through

AS PETRO PRODUCTS PVT. LTD

[Signature]
Director



[Signature] *[Signature]*

registered/authorized vehicles meant for transportation of hazardous waste.

- b) The contractor should have valid emission test certificate of vehicle and DL of driver etc.
- c) The contractor should own the vehicle with GPS-facility. In case the vehicle is hired, the contractor has to submit the undertaking along with necessary documents.
- d) **Packaging and Labelling:** - Disposal facility shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the KSPCB from time to time. The labelling shall be done as per Form 8.

49.7 TEMPORARY 2 NOS. OF PORTABLE TANKS

- a) The temporary 2 Nos. of portable tanks i.e. 25KL and 10KL to be installed in Port Reception Facility for receiving waste oil / sludge oil from coastal and foreign ships to comply with the requirements of KSPCB and customs on account of the contractor. A dyke wall is to be constructed under the portable tanks.
- b) The above said two tanks 25KL and 10KL will be dismantled after completion of contract and taken back without any charges.

49.8 The contractor has to comply with guidelines or SOP of IMO/ MARPOL/ DG Shipping MS Act/ Indian Ports Act/KSPCB/ NMPT Waste management plan for environmentally sound management of hazardous and other wastes from time to time.

49.9 The contractor shall participate and coordinate for the mock drills/exercises conducted by the NMPT.

49.10 The oil soaked sawdust, oily rags, oil absorbent pads, absorbent boom etc. generated due to pollution incidents or such oil soaked items received from the Port Crafts/Ships visiting the port to be collected and disposed off by the contractor through the KSPCB Authorised Incinerator and submit the relevant document pertains to collection and disposal.

49.11 The contractor has to deploy qualified and experienced team at the site for operation and maintenance of Port Reception Facility. The maintenance team comprises of supervisor, operator, mechanics, fitters, electricians, helpers under the control of Site manager to attend to the operation and maintenance work. All the tools, tackles, lifting and handling equipment, consumables for operation and maintenance of Port Reception Facility shall be arranged by the contractor. Site manager shall obey the instructions of the Engineer in charge of Port Reception Facility with regard to operation and maintenance. Sufficient manpower to be deployed at site during the operation period.

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For JONAS PETRO PRODUCTS PVT. LTD.

[Signature]
Director



49.12 **BARGES:** To facilitate reception of slop / waste oil / sludge/ bilge oily water/ ballast water containing oil from ships at anchorage/SPM, the arrangement of Barge/s to & fro anchorage/SPM to Berth shall be arranged by the Ship Owner/Shipping Agent incurring the costs, port charges etc. and necessary customs clearance. The Contractor is responsible for transfer of slop/waste oil etc from the Barge/s to Port Reception Facility at his own cost.

8 CHARGES FOR WATER AND ELECTRICITY

(Clause No. 50 of GCC)

Water and Electricity required for operation of Port Reception Facility shall be provided at free of cost. However, in site office, use of AC, fridge, induction stove, water purifier restricted to one only and no additional power lines to be drawn/used.

9 FINANCIAL OBLIGATIONS ON CONTRACTOR

(Clause No. 51 of GCC)

- a) Annual payment of Rs. 41,15,000 + GST per year towards utilizing the Port Reception Facility during the contract period of 5 years i.e. as the land revenue and towards equipment of Port Reception Facility including site office. Annual payment to be made prior to commencement of first year, second year, third year, fourth year and fifth year of the contract.
- b) 2 Nos. temporary portable tanks of capacity 25 KL & 10 KL to be installed at Port Reception Facility for receiving waste oil/sludge from the coastal & foreign ships as per the SOP vide **Annexure -11 & 12**, to comply with the requirements of the KSPCB & customs.
- c) The payment to be made by the contractor as per quoted rate on quarterly basis towards oily rich mixture lifted out from the port.
- d) Wharfs charges as per SOR to be paid for the waste oil (Oily rich mixture) taken out from the port.
- e) During the currency of contract, PMS (preventive maintenance schedule) & necessary repairs are to be carried out to maintain the plant in good operational condition. The tools, spares/materials, manpower etc. utilized for the PMS & repairs, the cost of which is to be borne by the contractor. Some of the spares, materials to be utilized are as follows:
 - i) Coalesces filters & multimedia filters.
 - ii) Steel plates of storage tanks.
 - iii) Steel pipelines, valves.
 - iv) Scaffolding
 - v) Paints.
- f) Renewal of secondary separation coalesces / multimedia filters and calibration charges of 2 Nos. OCM meters as per OEM.

INDIA PRODUCTS PVT. LTD.

Signature
Director



Signature

Page 6 of 12

Signature

- g) Independent/Custom approved surveyor arranged by the contractor for assessing the quantity of oily mixture.
- h) Charges for arranging approved competent surveyor and UT gauging approved agency. As per the UT gauging report, renewal of steel plates of storage tanks has to be carried out as per statutory requirement.
- i) The contractor shall carry out maintenance/inspection/calibration/testing/certification/audits/repairs of the Port Reception Facility as per Statutory and NMPT requirements on contractor account. The standards for statutory requirements shall be complied at all the times.

10 **POLLUTION DAMAGES: (Clause No. 18 of GCC)**

The contractor shall be liable for pollution damage and the cost of cleanup, which has occurred due to the contractor's and / or the contractor's personnel by willful, intentional acts or omissions or gross negligence which cause or allow the discharge, spills or leaks of any pollutant from any source whatsoever, into the port waters.

The contractor should have sufficient quantity of saw dust, oil absorbent pads, cotton rags, shovel, empty containers etc. for immediate response in case of any oil spill incident.

The contractor shall be liable for all damages caused to the environment due to improper handling and management of the hazardous and other waste.

Accident reporting – Whenever any accident occurs at the facility of the port handling hazardous or other wastes and operator of the disposal facility or during transportation, the contractor shall immediately intimate the concerned port authority about the accident and subsequently send a report in Form 11.

11 **DAMAGE TO PORT PROPERTY: (Clause No. 19 of GCC)**

The port will not be responsible for any damage due to failure of the staffs for any reason whatsoever. The contractor shall bear all expenses for repair / rectification.

12 **PERSONAL PROTECTIVE EQUIPMENTS (Clause No. 21 of GCC)**

The contractor shall be solely responsible for the supply of required PPE to his workers at his own cost and he shall also ensure the use of PPE such as helmets, masks, hand gloves, boiler suits, safety shoes, rain coats, etc. by his staff at site.

13 **INSURANCE: (Clause No. 22 of GCC)**

- 1 NMPT has taken comprehensive insurance cover for their port assets.
- 2 However, the Contractor shall effect and maintain the following policies at no cost to NMPT, during its operation period with an Indian Insurance company approved by Insurance Regulatory Development Authority of India (IRDA) as follows:

For JONAS PETRO PRODUCTS, PVT. LTD.,

Page 7 of 12

[Signature]
Director



2.1. **Commercial General Liability (CGL) Insurance:**The Contractor is required to take a CGL policy during execution of contract work to the extent of 50% of the contract value to cover Third Party Liability with cross liability extension

2.1.1 Third party Liability shall cover:

- (a) Third party bodily injuries/ death/ disablement (persons not belonging to Employer and/or Contractors/ sub-contractors).
- (b) Third Party Property Damage which includes damages to other properties / materials /vessels/ tanks / pipeline / cargo/equipment / other facilities belong to third party and inclusive of properties during construction/ erection and Governments properties.
- (c) The value of third party legal liability for compensation for loss of human life or partial/ total disablement as well as for damage to others equipment/ material /property shall be of required statutory limit where applicable or as awarded by Court of Law.

2.1.2 The Policy will be on claim made basis with retroactive date from the date of commencement of the contract and shall be valid throughout the tenure of the contract period (including defect liability period) and be also valid during the extended period if any.

2.2 **Employer Liability Insurance:** The Contractor shall indemnify and keep indemnified the Employer against all damages or compensation payable at Law in respect of or in consequence of any accident or injury to any workman or other person in the employment of the Contractor or Sub-Contractor against all claims, demands, proceedings, costs, charges and expenses whatsoever in respect thereof or in relation thereto and the NMPT shall be at liberty to deduct or adjust from the Contractor's bills an amount that NMPT may be called upon to pay towards claims, demands, proceedings, costs, charges and expenses whatsoever in respect of or in relation to any accident or injury referred to above without any reference to the Contractor.

2.2.1 The Contractor shall comply with the provision of the Employees State Insurance Act, 1948, Employees Compensation Act and Employees Provident Funds & Miscellaneous Provisions Act, 1952 and the Contractor shall cover such liability under Workmen compensation (named as Employer Liability) Insurance or be registered

PETRO PRODUCTS PVT. LTD.

[Signature]
Director



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[Signature]

under ESI as per relevant statute and act and shall continue such insurance till completion of the Contract covering all the employees/ workers/ casual labour/ contract labour/ outsourced persons under his supervision deputed for the said contract work. The contractor shall also submit such policy of insurance as and when required by the Employer/ Employers representatives.

- 2.2.2 Casual/Contract labour if any, engaged by the contractor/ sub-contractor must possess valid Identity certificate or Permanent Biometric Pehachaan Card issued by the ESIC.
- 2.2.3 **In the event of the Contractor is not having ESIC** for his employees engaging for the tender work, the contractor is required to obtain Workman Compensation Policy for the same. The Contractor shall effect **Workmen compensation** (named as Employer Liability) Insurance as per relevant statute and act deputed for the said contract work.
- 2.2.4 The Contractor shall also effect adequate accidental/ sickness insurance policies for their personnel/ employees related to this execution of contract. **Otherwise**, all the workmen of this contract shall be compulsory covered as per the provisions of "**Employees State Insurance Act, 1948**" & updated amendments
- 2.3 **Automobile Liability Insurance** covering use of vehicles/ mobile equipment used by contractors or sub-contractor(s) (whether or not owned by them) in connection with the execution of the contract.
- 2.4 **Insurance by sub-contractors:** Contractor shall also ensure that, its sub- Contractor(s) shall take out and maintain adequate insurance policies for their personnel and vehicles.
- 2.5 **Claim Lodgement:**
- 2.5.1 **Where the insurance policy is under the scope of Contractor:** The contractor shall lodge the claims with their underwriters and also settle the claims under their respective policy and kept NMPT hold harmless in all such cases.
- 2.5.2 **Where the insurance policy is under the scope of NMPT:**
- (a) NMPT shall lodge claim with their underwriter and the contractor shall provide all supports and cooperation

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Page 9 of 12

For JONAS PETRO PRODUCTS PVT. LTD.

[Signature]
Director



for smooth settlement of claim. However, any expenses related to the claim or damage either not admitted by the insurance company or coming within minimum deductible shall be borne by the contractor including consequential expenses.

(b) The contractor shall also intimate NMPT in all such cases and keep NMPT informed about the development about settlement of claim from time to time. All claims shall be settled in India.

2.6 The contractor shall submit to the Employer: Evidence that the insurances described under the scope of contractor have been effected and

- (a) Copies of policies for the insurances described in the clauses have been submitted.
- (b) When each premium is paid, the Contractor shall submit evidence of payment to the Employer.
- (c) In case of multi-year contract, the contractor shall take, without break, the renewal of the policy as mentioned under point 2.1, 2.2 & 2.3 above and produce proof of renewal to their employer.

In case, a sub-contractor is engaged by the contractor, it is the duty of the contractor to also ensure that the sub-contractor has also effected desired insurance policies for their workmen/personnel and vehicles failing which the liability if any accrued there from shall be the sole responsibility of the contractor and NMPT shall be always be kept Hold Harmless.

2.7 The Contractor shall keep informed their insurer of any relevant changes to the execution of the works and ensure that insurance is maintained in accordance with the insurance clause.

2.8 All insurance policy procured by contractor in terms mentioned above shall include a waiver of any right of subrogation of the insurers there under against NMPT and its assigns and successors and their respective subsidiaries, affiliates, employees and of any right of the insurers of any set off or counter claim or any other deduction, whether by attachment or otherwise in respect of any liability of any such person insured under any such policy or in any way connected with any loss, liability or obligation covered by such policies of insurance.

or ONAS PETRO PRODUCTS, PVT. LTD.

[Signature]
Director



Page 10 of 12

[Signature]

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2.9 The Contractor will indemnify to the fullest extent permitted by law and keep the Employer, its officers, employees, and other related parties hold harmless from all claims for bodily injury and property damage that may arise from the performance of the work.

14 **SAFETY REGULATIONS (Clause No. 24 of GCC)**

The contractor shall be responsible for the safety of all activities at the Site. Working personnel should wear proper PPE and follow the safety regulations of port. The contractor should supervise the safety of the staff at all time.

The contractor has to follow the safety guidelines, precautions and ensure arrangement of safety gears whenever they work in enclosed space, work at height etc.

15 **STAFF PASS (Clause No. 25 of GCC)**

Free Port Entry Passes will be issued for the staff & their vehicles. However, RFID card to be purchased from Pass section at contractor's cost. The cost of each card is Rs.150/- appx.

16 **CERTIFICATES (Clause No. 46 of GCC)**

The contractor should have all statutory certificates with proper validity during the contract period.

17 **Overall responsibility of Port Reception Facility (Clause No. 64 of GCC)**

The contractor is sole responsible for operation and maintenance of Port Reception Facility including reception, handling and disposal of slop / waste oil / sludge/ bilge oily water/ ballast water containing oil.

18 **(Clause No. 65 of GCC)**

Port shall not be responsible for any accident, incident, death etc. to the contractor's employee. However, the contractor shall be liable to compensate NMPT for damage to any port property including Port Reception Facility and also as per Annexure -17, Indemnity Bond.

19 **POLICE VERIFICATION: (Clause No. 66 of GCC)**

Police verification of all employees should be done by contractor prior to deployment. The contractor will also ensure that no person employed by him for the services has been/ is involved in any activity against the interest of the state.

Suganth *V*
3/12/20

For JONAS PETRO PRODUCTS PVT. LTD.

Suganth
Director



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20 The operation and maintenance of Slop Reception Facility, handling of slop/waste oil/sludge/bilge oily water/ ballast water containing oil from all areas of this Port i.e. Berths, SPM, Anchorage areas, Port Crafts, reception from incident site, residual tanks, etc from ships visiting NMPT and disposal/taking out oily rich mixture from the Port to the firm's recycling plant to be carried out strictly complying the instructions vide Clause No. 53, 54, 55, 56 & SOP (Annexure 9 to 12) of tender document. Accordingly Log book, Documentation and Records are to be maintained as per Clause No. 57 of Tender Document. Designated Engineer-in-Charge of Slop Reception facility mentioned vide Clause No. 63 will monitor operation and maintenance of Slop Reception Facility.

In addition to the above, the contract shall be strictly carried out complying the terms and conditions of the Tender.

Kindly acknowledge the receipt of this order.

Yours faithfully,

[Signature]
Deputy Conservator
New Mangalore Port Trust

[Signature]
Copy to: 1. FA&CAO. The proposal has been approved by the Chairman vide 233 / CH. dated 29-01-2022 with Finance Concurrence vide 403 / FIN dated 28-01-2022.

[Signature]

- 2. C.M.E. *[Signature]* 04/02/22
- 3. C.E (Civil) *[Signature]* 04/02/22
- 4. T.M. *[Signature]* 04/02/2022
- 5. RAO *[Signature]* 04/02/22
- 6. CVO *[Signature]* 04/02/22
- 7. File

BY JONAS PETRO PRODUCTS PVT. LTD.

[Signature]
Director



[Signature]

[Signature]

KSPCB Authorization of M/s. Jonas Petro Products Pvt.Ltd

	Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016 Authorization No: 332036 Valid upto: 30/09/2027	Karnataka State Pollution Control Board MangalorePlot No.10B, Parisara Bhavana, Baikampady Industrial Area,Mangalore-575011 Tele : 0824-2408420 Fax: email id:		
	(This document contains 4 pages excluding annexure)			
Authorization No: 332036	PCB ID: 29422	Date: 02/07/2022		
FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES				
Ref: 1. Authorization application submitted by the industry/organization on 20/06/2022 at Regional Office. 2. Inspection of the project site/organization by Regional Officer , Mangalore on 30/06/2022 3. Proceedings of CCM dated: , held on:				
1. Number of authorization 332036 and date of issue 02/07/2022 2. Reference of application No. 157822 Inward Date 20/06/2022 3. PARTNER of Jonas Petro Products Pvt Ltd is hereby granted an authorization based on the enclosed signed inspection report for Generation,Collection,Reception,Disposal or any other use of hazardous or other wastes or both on the premises situated at the location Address: Plot No 277 , D No 6-64/1, Baikampady Industrial Area, Mangaluru Industrial Area : Mangaluru , Taluk : Mangalore , District : Dakshina Kannada				
Details of Authorization:				
Category of Hazardous waste as per the Schedule I,II,III & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
	3.3~Sludge And Filters Contaminated With Oil	100.000	KLTA	As Per Annexure
	3.4~Ballast Water Containing Oil From Ships	200.000	KLTA	As Per Annexure
I	4.1~Oily Sludge Emulsion	100.000	KLTA	As Per Annexure
I	4.3~Slop Oil	400.000	KLTA	As Per Annexure
I	5.2~Wastes Residues Containing Oil	4000.000	KLTA	As Per Annexure
Page-1 Printed through XGN CHIEF/SENIOR ENVIRONMENTAL OFFICER				



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 332036

Valid upto: 30/09/2027

Karnataka State Pollution Control Board
MangalorePlot No.10B, Parisara Bhavana,
Baikampady Industrial Area,Mangalore-575011
Tele : 0824-2408420
Fax:
email id:

(This document contains 4 pages excluding annexure)

I	5.1~Used Spent Oil	0.300	KLT	As Per Annexure
I	36.2~Spent carbon or filter medium	0.060	MTA	As Per Annexure
I	4.4~Organic Residues From Process	5.000	MTA	As Per Annexure
	2.2~Sludge Containing Oil	500.000	KLTa	As Per Annexure
I	35.3~Chemical Sludge From Waste Water Treatment	0.300	MTA	As Per Annexure
	3.1~cargo residue, washing water and sludge containing oil	6500.000	KLTa	As Per Annexure
	3.2~cargo residue and sludge containing chemicals	100.000	KLTa	As Per Annexure
I	35.4~Oil and grease skimming	100.000	KLTa	As Per Annexure

1. The authorization shall be valid for a period upto 30/09/2027

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 332036

Valid upto: 30/09/2027

Karnataka State Pollution Control Board
Mangalore Plot No.10B, Parisara Bhavana,
Baikampady Industrial Area,Mangalore-575011
Tele : 0824-2408420
Fax:
email id:

(This document contains 4 pages excluding annexure)

is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
11. An application for the renewal of an authorization shall be made '**3'** months before the date of expiry.
12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.
15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
17. The hazardous and other waste which gets generated during recycling or reuse or recovery or per-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
18. The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.
19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).
20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 332036

Valid upto: 30/09/2027

Karnataka State Pollution Control Board
MangalorePlot No.10B, Parisara Bhavana,
Baikampady Industrial Area,Mangalore-575011
Tele : 0824-2408420
Fax:
email id:

(This document contains 4 pages excluding annexure)

environment.

21. Display Boards: The person authorized shall display sign boards at the storage site as “Hazardous Waste Storage Site” and “Danger” and the site shall be provided with accident preventive measures.

Additional Conditions:

Refer Annexure-I is uploaded

For and on behalf of the
Karnataka State Pollution Control Board

CHIEF/ SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office,for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Signature Not Verified
Digitally signed by
Date: 2022.07.02 14:51:45
+05:30

ANNEXURE – II PERMISSION FOR NOXIOUS LIQUID FROM CARGO RECEIVER

IPWC

Indian Ports Warehousing Company

(Unit of Jagson International Ltd.)

New Mangalore Port, Panambur, Mangalore - 575 010.

Phone : 2407517, 2408237 Fax : 0824-2407131 Email : ipwc@rediffmail.com ipwcmtr@gmail.com
IPWC/Slop/01/2018 27.04.2018

Date :

DM
L.S.V.
27/4/18

The Deputy Conservator
New Mangalore Port Trust
Panambur, Mangalore - 575010

Sir,

Sub: Shore Reception facility for collection of Liquid Chemical – Reg

Ref No: NMPT/DC/Slop-rec/2018/080

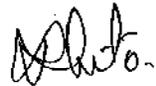
In obedience to the DC, NMPT Letter dt.19.04.2018 and MARPOL convention for regulating International Sea Transport of Chemicals it is stated that:-

As soon as the Methanol is pumped into the Tanks of IPWC from the ship, the pigging Operation is done by the help of Air compressor and there will be no Residual left in the Pipelines.

In case any residual or slop is expressed by the ship will be collected by IPWC.

Thanking You,

Yours faithfully



TONY PINTO
(Ex.Navy & NMPT)
Terminal Manager
Indian Ports Warehousing Company,
Panambur, New Mangalore

Head Office : 3rd Floor, Vandana Building, 11, Tolstoy Marg, New Delhi - 110 001.

Phone : 011 - 47373200 Fax No. : 011 - 23327346



ओ एन जी सी मंगलूर पेट्रोकेमिकल्स लिमिटेड
(मंगलूर रिफाइनरी एंड पेट्रोकेमिकल्स लिमिटेड की सहायक कंपनी)
ONGC Mangalore Petrochemicals Ltd.

(A Subsidiary of Mangalore Refinery and Petrochemicals Ltd.)

एमएसईजेड, पेमुदे, मंगलूरू - ५७४ ५०९ MSEZ, Permude, Mangaluru - 574 509.

CIN: U40107KA30656C1041258, दूरभाष Direct Line :- 0824-2872000, फॅक्स Fax:- 0824-2872005, Website: www.ompl.co.in

4/24
27/4/18

Ref No: NMPT Letter/2018-19/2

Date - 27.04.2018

To,
The Deputy Conservator,
New Mangalore Port Trust.

Subject: Shore reception facility for collection of liquid chemical waste
NMPT Letter No. - NMPT/DC/slop-rec/2018/078

Dear Sir,

Kindly refer to NMPT letter dated 19th April'18 regarding captioned subject.

We hereby confirm that necessary facility is available at Jetty-13, through which OMPL is operating, for collection and disposal of slop.

Regards,

[Signature]
27/4

Chief Operating Officer
ONGC Mangalore Petrochemicals Ltd

cc : CEO - I/c



Du/Poll
Lester
25/4/18

R02/NMPT/2017-18

24th April 2018

**The Deputy Conservator
New Mangalore Port Trust
Panambur, Mangalore – 575010**

Dear Sir,

Sub: Shore reception facility for collection of Liquid Chemical – Reg.

Ref No: NMPT/DC/Slop-rec/2018/076

With reference to the above, we hereby inform that we have the arrangement to receive slop, if present in the tanks during handling of Phosphoric Acid and pump the same by stripping and back to our storage tank through pipeline.

And with respect to Ammonia, there is no slop in the shipment.

This is for your kind information.

Thanking You,

Yours faithfully,

For & Mangalore Chemicals & Fertilizers Ltd.,

B. Girish Kumar
24/4/2018
Authorized signatory

**B. GIRISH KUMAR
JOINT GENERAL MANAGER - MATERIALS
MANGALORE CHEMICALS AND FERTILIZERS LIMITED
PANAMBUR, MANGALURU - 575 010.**



1926/076
25-4-18

Works office : Panambur, Mangalore - 575 010, INDIA. Tel : + 91 824 2220600, Fax : + 91 824 2407938, admin_wo.mcf@adventz.com
Corporate Identity Number - L24123KA1965PLC002035, Registered Office : Level-11, UB Towers, UB City, 24, Vittal Mallya Road, Bangalore- 560 001.
Phone : +91 080-3985 5500, Fax : +91 080 3985 5588 website : www.mangalorechemicals.com



1967/DC
8-5-18

DM
Lop
12/15/18
09/05/18

BASF India Limited, New Mumbai - 400 705, India
May 02, 2018

The Deputy Conservator
NMPT,
Mangalore

Dear Sir,

Sub: Shore reception facility for collection of Liquid Chemical waste

Ref: NMPT/DC/slop-rec-/2018/081

With reference to above, please be informed that we are importing following products at Mangalore port in chemical tanker vessels in Bulk

- Styrene Monomer
- Butyl Acrylate

These products are covered under Annexure II of MARPOL under Chemicals listed in pollution 'Y' category.

Products listed in category Pollution 'Y' requires Prewash / Shore reception facility provided they meet the following criteria.

- High viscosity substance
- Solidifying Cargo

Although products Butyl Acrylate & styrene Monomer falls under Annex II of the MARPOL but not meeting the criteria applicable for Prewash, hence shore reception facility not required for these products.

However, we shall arrange for required shore reception facility, if any regulatory requirements arise in future.

Thanking you,

Yours faithfully,

For BASF India Limited.

R V Pandya
Rajesh V Pandya

Asst. Manager - Bulk Operations

BASF India Limited
Shree Sawan Knowledge Park
3rd & 4th Floor, Plot No. D-507, MIDC
Thane Belpur Road, Turbhe
New Mumbai - 400 705, India

Tel: +91 22 6724 3700
Fax: +91 22 6873 9981

CIN - L39112MH1943FLC003972

www.basf.com/in

Registered Office
BASF India Limited
The Capital
'A' Wing, 1204-C, 12th Floor
Plot No. C-70, 'G' Block
Bandra Kurla Complex, Bandra (East)
Mumbai - 400 061, India

Tel.: +91 22 6278 5900



R02/NMPT/2017-18

21st April 2018

The Deputy Conservator
New Mangalore Port Trust
Panambur, Mangalore – 575010

Dear Sir,

Sub: Shore reception facility for collection of Liquid Chemical – Reg.

Ref No: NMPT/DC/Slop-rec/2018/076

This has reference to the above letter dated 18th April'18 sent through e-mail to M/s Mangalore Chemicals & Fertilizers Ltd., Mangalore ('MCFL'). The letter requires the details of slop reception facility for collection of Liquid Chemical residues and mixtures containing such residues of ship calling New Mangalore Port.

In this connection, we submit herewith the details of handling facility for the Liquid Chemicals imported in Bulk at New Mangalore port.

Sl No.	Chemical	Handling Facility
1	Ammonia	Anhydrous Ammonia in bulk (Liquefied at (-)33 Deg C) is being handled at dedicated berth No. 4, which possess the facility for unloading of Cargo through Pipeline from Vessel connection manifold to our Terminal Shore tanks located inside NMPT. The purity of Ammonia imported is 99.95 percent. Hence no residue will be found in ship Tanks. Further, the Ammonia unloading operation is carried under supervision of highly specialised safety surveyors as per IMO regulations.
2	Phosphoric Acid	Fertilizer Grade Phos Acid solution of varied P2O5 concentration in bulk is being handled at dedicated berth No. 4, which possess the facility for unloading of Cargo through Pipeline from ship manifold to our Terminal Shore receipt tanks located inside NMPT. After completion of cargo discharge, residual Phos acid in the vessel tanks are stripped off using fresh water and pumped to the shore tank.

Thanking You,

Yours faithfully,

For & Mangalore Chemicals & Fertilizers Ltd.,


Authorized signatory

B. GIRISH KUMAR

JOINT GENERAL MANAGER - MATERIALS

MANGALORE CHEMICALS AND FERTILIZERS LIMITED

PANAMBUR (MANGALORE) - 575010, S75 010, INDIA. Tel : +91 824 2220000, Fax : +91 824 2407938, admin_wo.mcfl@adventz.com

'Corporate Identity Number -L24123KA1966PLC002036', Registered Office : Level-11, UB Towers, UB City, 24, Vittal Mallya Road, Bangalore- 560 001.

Phone : +91 080-3985 5500, Fax : +91 080-3985 5588 website : www.mangalorechemicals.com



16



मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड MANGALORE REFINERY AND PETROCHEMICALS LIMITED

अनुसूची 'अ' के अंतर्गत भारत सरकार का उद्यम SCHEDULE 'A' GOVT. OF INDIA ENTERPRISE.
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी A SUBSIDIARY OF OIL AND NATURAL GAS CORPORATION LIMITED)
सीआईएन/ICIN : L23209KA1988GO1008959

पंजीकृत कार्यालय : कुत्थोर पोर्ट, जया कादीपल्ला, मंगलूर - 575 030 (भारत) दूरभाष : 0824-2270400, फैक्स : 0824-2271404, E-mail : mrplmr@mrpl.co.in
Regd. Office : Kuththoor P.O. Via Katipalla, Mangaluru - 575 030 (India) Tel. : 0824-2270400 Fax : 0824-2271404 website : www.mrpl.co.in
आई.एस.ओ. 9001, 14001 एवं 50001 प्रमाणित कंपनी AN ISO 9001, 14001 AND 50001 CERTIFIED COMPANY

Handwritten notes:
SM / P011201
5/11/2018
21/04/18

20th Apr. 2018

समुद्री विभाग
MARINE DEPARTMENT
दिनांक / Date : 20-4-18
डाक सं.
Tappal No.
नव मंगलूर पोर्ट ट्रस्ट, पनम्बु
New Mangalore Port Trust, Panambur

To
The Dy. Conservator,
NMPT,
MANGALORE.

Sir,

Sub : Slop reception facility at MRPL berths.
Ref: NMPT/DC/Slop-rec/2018/077 dt.18 Apr 2018.

With ref. to the above we hereby inform that we have the facility to receive slops generated during handling of POL products by us and dispose the same by pumping back to refinery through pipe lines.

Handwritten:
19 / DC
21-4-18

This is for your kind information.

Regards,

R.SANKARANARAYANAN.

Ch. Manager,

for MRPL ONGC.

बेंगलूर कार्यालय : प्लॉट नं. A-1, के.एस.एच.आई.सी. प्रशासनिक कार्यालय भवन के सामने, इंडस्ट्रियल एस्टेट, राजाजीनगर, बेंगलूर - 560 010
Bengaluru Office : Plot A-1, Opp. KSSIDC A.O. Building, Industrial Estate, Rajajinagar, Bengaluru - 560 010.
दूरभाष : टेल. (0) 080-22642200, फैक्स Fax : 080 - 23505501
दिल्ली कार्यालय : कोर-8, 7वीं मंजिल, स्कोप कॉम्प्लेक्स, लोधी रोड, नई दिल्ली-110003 दूरभाष : 011-24306400, फैक्स : 011-24361744
Delhi Office : Core-8, 7th Floor SCOPE Complex, Lodhi Road, New Delhi-110003. Tel.: 011-24306400. Fax: 011-24361744
मुंबई कार्यालय : मेकर टॉवर, 4^{थी} विंग 15^{वां} तल, कफे पारेड, मुंबई - 400 005. दूरभाष : 022-22173000, फैक्स : 22173233
Mumbai Office : Maker Tower, 'E' Wing, 15th Floor, Cuffe Parade, Mumbai - 400 005. Tel. : 022-22173000, Fax : 22173233

Annexure III - Permission Certificate for collection and disposal of garbage

Work order for the disposal of garbage to the Ship Chandlers Association



ನವ ಮಂಗಳೂರು ಬಂದರು ಪ್ರಾಧಿಕಾರ
ನವ ಮಂಗಳೂರು ಪತ್ತನ ಪ್ರಾಧಿಕರಣ
NEW MANGALORE PORT AUTHORITY
(Fully Solar Powered)

ಭಾರತ ಸರ್ಕಾರ (ಪತ್ತನ, ಪೊತ ಪರಿವಹನ ಔರ ಜಲಮಾರ್ಗ ಮಂತ್ರಾಲಯ)
Govt of India (Ministry of Ports, Shipping and Waterways)
ಪರಂಪರಾ ಪು ಮ್ಬೂರ Panambur / ಮಂಗಳೂರು ಮಂಗಲೂರ Mangalore - 575010

75
Azadi Ka
Amrit Mahotsav



NMPA/DM/PRF-Pyrotechnic/2023/ 01

Date: 25/01/2023

To,

The M/s.SHM Shipcare Pvt Ltd,
Mangalore Branch.,
D-No.Spl-13/3, Industrial Estate,
Bhagavati Compound,
Baikampady,
Mangalore-575011,

Sir,

Sub: Extension of Permission for the disposal of expired Pyrotechnics from
the ship calling NMPA-Reg.

Ref: 1. SHM Shipcare Pvt.Ltd., letter dated 11.01.2023.

2. NMPA permission letter No. NMPT/DM/PRF- Pyrotechnic/2020/25 dated
12.04.2021

To comply with IMO & DG Shipping requirements with regard to Port Reception facility you are permitted to receive the expired Pyrotechnics (MARPOL Annexure V) from the vessels calling at New Mangalore Port Authority for One year from the period 25.01.2023 to 10.01.2024 as previous tariff mentioned below:

Sl. No	Item Description	Unit	Price (Rs.) Excluding GST
1	Disposal & Certification of Hand Flares	Each	425.00
2	Disposal & Certification of Parachute Rocket	Each	525.00
3	Disposal & Certification of Smoke Float	Each	525.00
4	Disposal & Certification of MOB	Each	4500.00
5	Disposal & Certification of LTA (1 set of4)	Set	9000.00

The standard operating Procedures for collection, transportation and Disposal of Vessel generated Expired pyrotechnic (MARPOL annex-V) at New Mangalore Port has been attached for strict compliance.

ದೂರವಾಣಿ / ದೂರವಾಣಿ / Phone : 0824- 2407341, 2887399

आईएसओ 9001:2015, 14001:2015, 45001: 2018 एवं आईएसपीएस अनुपालनकर्ता पत्तन

An ISO 9001:2015, 14001:2015, 45001: 2018 & ISPS Compliant Port

1 | Page

Terms and Conditions:

1. The lorry for handling of garbage arranged by you shall have valid License, Registration, Road Tax, Insurance etc. The copies of certificates are to be submitted for verification at the time of issuing gate passes by the Marine Dept. The entry gate pass will be valid only for 6 months from the date of issue of permission as per the Port entry SOP.
2. The required labour, materials etc. for handling of garbage shall be arranged by you and cost of insurance, payment to labourers etc. shall be borne by you.
3. The M/s SHM Shipcare Pvt.Ltd., should ensure that the labours shall wear Proper PPE and Safety gears inside the Port area and on vessels. NMPA will not be responsible for any occupational hazard and injury to labourers due to accident/incident.
4. The Port shall not be responsible for any payment to the M/s SHM Shipcare Pvt.Ltd for collecting & disposal of Garbage from the ships. However, the payment should be settled by the Shipping Agent/Master of the Ship.
5. Strictly comply the DG shipping "SwaatchSagar portal" guidelines and necessary entry to be made by M/s SHM Shipcare Pvt.Ltd., Mangalore in "Swaatch Sagar portal" along with required document.
6. M/s SHM Ship Care, Mangalore shall undertake the work with the permission of Port Authorities, CISF, Customs and other statutory bodies if required for every vessel before boarding through concern shipping agent.
7. The expired pyrotechnics shall be received and transported directly to the designated location for disposal as per the statutory requirement. Interim certificate shall be submitted by the M/s SHM Ship Care for the received Pyrotechnics from Sri. Balaji Marine & Civil Engineering Works, Visakhapatnam. No expired Pyrotechnics shall be stored inside Port area at any time.
8. Waste Delivery Receipt for every vessel in the prescribed format as per the circular I.CIRC/MEPC/01/MEPC-ICIRC.834.Rev.01 signed by Master of the Vessel and M/s. SHM Ship Care representative shall be submitted to Marine Department.
9. The Disposal Interim Certificate from Sri. Balaji Marine & Civil Engineering Works, Visakhapatnam from each vessel shall be submitted to Pollution Control Cell of Marine Department.

10. Final Disposal Certificate will be submitted to Port & should be uploaded in the Swatch Sagar Portal of DG shipping.
11. The Port reserves the right to alter the conditions of the permission and even cancels the permission at any point of time without assigning any reason thereof.
12. M/s SHM Shipcare Pvt.Ltd., Mangalore shall take extreme care and ensure that no pollution is caused in the harbor. MARPOL regulation, state and national pollution control board regulation shall be strictly complied at all times.
13. The M/s SHM Shipcare Pvt.Ltd should take extreme care and ensure that no pollution is caused in the harbor. Non adherence of MARPOL regulation, Port Standard Operation Procedure for Waste Management and Central & State Pollution Control Board regulations, failing which action shall be initiated and cost of cleanup operation shall be recovered from the M/s SHM Shipcare Pvt.Ltd.
14. M/s.SHM Shipcare Pvt.Ltd., has to submit the Indemnity bond in prescribed format (Form-A) given by the Port in Stamp paper of 100 Rs. before the commencement of the work.
15. M/s.SHM Shipcare, Pvt.Ltd., shall comply with all safety and security regulations. The person engage shall wear proper PPE. New Mangalore Port will not be responsible for any death, accident of any nature to M/s.SHM Shipcare person within port area. M/s.SHM Shipcare Pvt.Ltd has to submit the Undertaking letter in the prescribed format (Form-B).

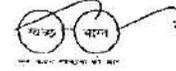
Yours faithfully,

M 24
25/11/20
(Dock Master)
Pollution Control Cell

Copy to:

1. The Dy. Conservator, Marine Dept. NMPA, Panambur, Mangalore for information.
2. The Dy. Commandant, CISE, NMPA, Panambur, Mangalore for information.
3. The Asst. Commissioner of Customs, New Customs House, Panambur, Mangalore for Information.

Note: The M/s.SHM Shipcare, Pvt.Ltd. is not authorized to carry out any other activity other than those mentioned above. Necessary checks may be carried out the expired Pyrotechnics from the vessels by the Authorities.



MANGALURU CITY CORPORATION

Lalbagh, M. G. Road, Mangaluru - 575 003, Karnataka, INDIA.
Phone: 0824 2220313-18, Fax: 0824 2220310 Website: <http://mangalurucity.mrc.gov.in/>

MCC/HS/CR- 62/2018-19/G12

Date: 18.03.2022

To,

Sri Ivan Misquith

✓ M/s. Ship Chandlers Association,
3rd Floor, Commerce Centre, Airport Road,
Kuloor, Mangaluru

Dear Sir/Madam,

Subject: Disposal of Municipal Solid Waste from your organization/institution at MCC Solid Waste Management Plant/ Landfill, Pacchanady.

Reference: This Office Permission Letter No.: MCC/HS/CR-62/2018-19/G12 Dated: 15.02.2022

Mangaluru City corporation had previously permitted a few institutions/organizations/other ULBs to dispose their waste at MCC Solid Waste Management Plant/Landfill at Pacchanady. With increasing population, the generation of waste is also increasing and the existing facility for disposal can be inadequate for further disposal. Also, due to landfill slide during August, 2019 at Pacchanady, a Writ Petition 9367/2020 has been filed at Hon'ble High Court of Karnataka-by-Karnataka State Legal Services Authority (KSLSA). Based on the recent events Hon'ble High Court of Karnataka has ordered Mangaluru City Corporation to stop garbage disposal at landfill site, Pacchanady completely and to segregate and scientifically process the entire solid waste generated within Mangaluru City Corporation Limits only.

In addition, MCC has started the procedures for remediation of legacy waste at Pachanady. We will not be able to dispose the fresh waste from your organization/institution. Even MCC is heading towards alternate

PERMISSION CERTIFICATE FOR COLLECTION AND DISPOSAL OF GARBAGES

MANGALURU CITY CORPORATION

Lalbagh, M. G. Road, Mangaluru - 575 003, Karnataka, INDIA.
Phone: 0824 2220313-18, Fax: 0824 2220310 Website: <http://mangalurucity.mcc.gov.in/>

MCC/HS/CR-62/2021-22/G12

Date: 13.06.2022

ENDORSEMENT

We are in receipt of your letter dated 02.06.2022, received by MCC on 10.06.2022 and we would like to bring it to your kind notice that Mangaluru City Corporation recommends in-house solution for bulk waste rather than outsourcing completely. MCC has no objection to your organization tying up with Karnataka State Pollution Control Board (KSPCB) authorized waste handler, however, if any mismanagement of solid waste occurs, MCC cannot be held liable and will be able to take necessary action towards the agencies involved. This is for your kind notice.

Thank you.


Commissioner
Mangaluru City Corporation
* 2

To,
The President,
M/s Ship Chandlers Association,
3rd Floor, Commerce Centre,
Airport Road, Kuloor, Mangaluru-575013



ఆంధ్ర ప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH
SL.No: 27576 Date: 16/1/22
Sold To: Sayfuddin Hajeer & Hussain Hajeer
For Whom: Sri Balaji Marine & Civil Engineering Works

I. Ravi Shankar
DA 302782
I. RAVI SHANKAR
Licenced Stamp Vendor
T.No.03/11/12/2011, R.L.No.03/11/01/2020
18-36-2A, Kothasali Peta, MR Peta,
Visakhapatnam, cell : 9492643868

Agreement

This Agreement is made and entered into on this 11th day of Jan 2023 by and between SHM Shipcare Pvt Ltd., which is a registered under the provisions of an Indian Companies Act, 1932 having its Office at **SHM Shipcare Pvt Ltd. Mangalore Branch**, D. No.: Spl-13/3, Bhagvathi Compound, Industrial estate, Baikampady, Mangalore – 575011 (Karnataka) India, represented through its authorized Signatory **Mr. Mohammed Shameem**, hereinafter referred to as “SHM Shipcare Pvt Ltd.”

AND

Sri³ Balaji Marine & Civil Engineering Works Visakhapatnam, a Partnership firm registered under the provisions of Indian Partnership Act, 1932 having its Office at # 24-4-12 , Anchor House , Harbour Road , Visakhapatnam – 530001 (Andhra Pradesh) India, represented through its authorized Signatory **Mr. Krishnan Vaikunthan**, hereinafter referred to as “SBM”(which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include the partners or partner for the time being of the said firm of M/S. SHM Shipcare Pvt Ltd. the survivors or survivor of

K. Vaikunth



them the heirs, executors and administrators of the last survivor of them and his/her/their successors & assigns) of the One Part

WHEREAS, SHM Shipcare Pvt Ltd. is in the business of repairing and servicing of Life rafts and inflatable rescue boats.

AND WHEREAS SBM are carrying the activities of disposal of time expired pyrotechnics as per guidelines of PESO and The Directorate General of Shipping.

WHEREAS SHM Shipcare Pvt Ltd. and SBM are desirous of undertaking the jobs as per the above referred Service requirements on mutually agreed terms and conditions as mentioned herein.

NOW, THEREFORE, in consideration of the foregoing and of the mutual premises hereinafter expressed, the parties hereto do mutually agree as follows:

1. SHM Shipcare Pvt Ltd. shall send the written intimation with list of expired pyrotechnics to SBM at their designated location at Visakhapatnam.
2. It is the responsibility of SBM to receive the said time expired pyrotechnics as and when delivered at their designated premises. Thereafter SBM shall dispose of the said expired pyrotechnics as per guidelines of PESO and the Directorate General of Shipping.
3. SBM shall raise their invoice towards the charges for the work done which shall be released by the SHM Shipcare Pvt Ltd. 100% advance payment against confirm receipt of the material.
4. Time is the essence of the Contract for completing the respective works of the parties in this agreement subject to Force Majeure conditions as mentioned in Para (10) herein under:
5. SHM Shipcare Pvt Ltd. and SBM shall comply with the necessary regulatory certification pertaining to their respective work completed.
6. The necessary charges for issue


H. V. Ravi



7. Any other conditions if any which are not incorporated in this Agreement shall be settled mutually between SHM Shipcare Pvt Ltd. and SBM.
8. This Agreement shall be effective as of the date first set forth above and, shall be effective for three year unless terminated by either party as provided hereunder in Termination Clause and can be renewed at the instance of both the parties if mutually agreed upon.
9. Either party may terminate this Agreement within 30 days by giving written notice to the other party only if:
 - o other party commits any breach of the terms and conditions of this Agreement then other party shall notify the party who has committed such breach and provide 15 days' time to remedy the breach and if the said party fails to do so then in that event the other party shall have the right to terminate this Agreement as above
 - o the other party becomes insolvent, is adjudicated bankrupt, or compounds with, or makes any arrangement with, or makes a general assignment for the benefit of its creditors; or
 - o the other party compulsorily or voluntarily enters into liquidation, except for the purposes of a bonafide reconstruction or amalgamation, and with the prior written approval of the other party; or
10. If and to the extent that a Party's performance of any of its obligations pursuant to this Agreement is prevented, hindered or delayed directly or indirectly by fire, flood, earthquake, elements of nature or acts of God, acts of war, terrorism, riots, civil disorders, rebellions or revolutions, epidemic conditions, (and such non-performance, hindrance or delay could not have been prevented by reasonable precautions, then the non-performing, hindered or delayed Party shall be excused for such non-performance, hindrance or delay, as applicable, of those obligations affected (the "Affected Services") by the Force Majeure Event for as long

[Handwritten signature]

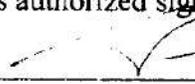


as the Force Majeure Event continues and, except as otherwise provided in this Section, such Party continues to use its commercially reasonable efforts to recommence performance whenever and to whatever extent possible without delay, including through the use of alternate sources, workaround plans or other means. The Party whose performance is prevented, hindered or delayed by a Force Majeure Event shall promptly notify the other Party of the occurrence of the Force Majeure Event and describe in reasonable detail the nature of the Force Majeure Event.

11. This Agreement is executed in two counterparts, and each party retains one of the counterparts, all of which has the equal legal effect.

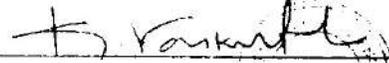
IN WITNESS THEREOF the parties have hereunto set their respective hands the day and year first above written.

Signed Sealed and delivered by the)
within named SHM Shipcare Pvt Ltd)
SHM SHIPCARE PVT LTD)
through its authorized signatory **Mohammed Shameem**)


_____)
In the presence of:)



Signed Sealed and delivered by the)
Within named SBM)
SRI BALAJI MARINE & CIVIL ENGINEERING WORKS)
through its authorized signatory **Mr. Krishnan Vaikunthan**)


_____)
In the presence of:)





INDIA NON JUDICIAL

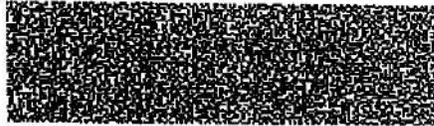
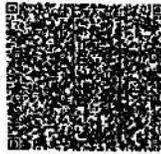
Government of Karnataka

e-Stamp

Certificate No. : IN-KA48108914129470T
Certificate Issued Date : 09-Nov-2021 02:16 PM
Account Reference : NONACC (FI)/ kacrs108/ ULLAL1/ KA-DK
Unique Doc. Reference : SUBIN-KAKACRSFL0847633564254868T
Purchased by : NATURE FRIENDLY RECYCLE INDUSTRIES
Description of Document : Article 12 Bond
Description : M O U
Consideration Price (Rs.) : 0
(Zero)
First Party : NATURE FRIENDLY RECYCLE INDUSTRIES
Second Party : SHIP CHANDLERS ASSOCIATION OF NEW MANGALORE PORT
Stamp Duty Paid By : NATURE FRIENDLY RECYCLE INDUSTRIES
Stamp Duty Amount(Rs.) : 100
(One Hundred only)

For Aihmes Akthi Multipurpose
Co-op. Society Ltd.

Authorised Signatory



Please write or type below this line

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made on this 09th November 2021, between

M/s. Nature Friendly Recycle Industries, is situated at Plot No.25, Baikampady Industrial Area, Baikampady Village, SurahthkalHöbli, Mangaluru. Hereafter refer to as **M/s Nature Friendly Recycle Industries**.

And

M/s Ship Chandlers Association of New Mangalore Port, 3rd Floor, Commerce center, Port Road, Kukur, Mangalore, Karnataka 575013 hereinafter refer to as **M/s. Ship Chandlers Association of New Mangalore Port**,

For **NATURE FRIENDLY RECYCLE INDUSTRIES**



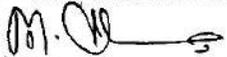
Statutory Alert:

1. The authenticity of the Stamp certificate should be verified at www.shc.org.in
2. For the details on this Certificate and its validity, please refer to the website of the Government of Karnataka.

GOVERNMENT OF KARNATAKA

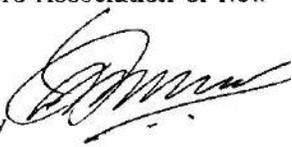
- a. Nature Friendly Recycle Industries with approval from Mangalore City Corporation and Karnataka State Pollution Board, having a common recycling facility for managing Garbage in Plot No. 25, Baikampady Industrial Area, Baikampady Village, Surahkal Hobli, Mangalore.
- b. M/s Nature Friendly Recycle Industries, will agreed with M/s Ship Chandlers Association of New Mangalore Port, for recycling and final disposal of Garbage.
- c. M/s Ship Chandlers Association of New Mangalore Port, during this period will not enter into any agreement with any other party or organisation for the Garbage recycling and disposal.
- d. M/s Nature Friendly Recycle Industries will collect other waste regularly and recycle the waste as per the regulations.
- e. M/s Nature Friendly Recycle Industries will issue a proof of Garbage from M/s Ship Chandlers Association of New Mangalore Port on regular basis. This will help the individual for getting compliance with the NMPT.
- f. In case of M/s Ship Chandlers Association of New Mangalore Port, finds any irregularities in collection of Garbage, they can send a notice in writing to M/s Nature Friendly Recycle Industries for immediate action.
- g. M/s Nature Friendly Recycle Industries will maintain their plant in good condition all the time and ensure continuity of service on all the days without fail and get clearance from the Pollution Control Board as per the regulations.
- h. This memorandum of understanding is entered into on the express understanding that M/s Nature Friendly Recycle Industries will maintain and run the facilities and collect transport and recycle the other waste at their plant strictly
- i. In case of violation of any of the agreed conditions of the MOU by their side. Issue of notice may terminate this MOU three months in advance by their respective obligations.
- j. All dispute to this understanding are subject to the jurisdiction of the court in Mangalore only.
- k. All the above points will have legal binding for a minimum period of five years from the date of this agreement. And this agreed could be renewed for further period of five years with mutual concern of both the parties.
- l. M/s Nature Friendly Recycle Industries should not get into any kind agreement with NMPT directly or indirectly in this regard

M/s Nature Friendly Recycle Industries
 For NATURE FRIENDLY RECYCLE INDUSTRIES


 Managing Partner

M/s Ship Chandlers Association of New Mangalore Port



Authorized Signatory 



Towards sustainable growth

Ramky Energy and Environment Limited

Plot No. 47/B, Karnad Industrial Area,
KIADB-Mulki - 574 154, Mangalore Taluk, D. K. (Dist.)
Tel. : 9900196884, 0824-2294966 (Office)
E-mail : reeemngl@ramky.com

Memorandum of Understanding

This Memorandum of Understanding is made on this 18th May 2022

BETWEEN

M/s. Ramky Energy & Environment Ltd is having its registered office at Ramky Towers-Grandiose, Opp. Rolling Hills, Anjaiah Nagar, Gachibowli, Hyderabad-50032. and having plant office at Plot No.47/B, Karnad Industrial Area, KIADB, Mulky, Mangalore - 574154. Hereafter refer to as M/s. Ramky Energy & Environment Ltd

AND

M/s. Ship Chandlers Association, 3rd floor , Commerce Centre, Airport Road, Kuloor, Mangalore 575013, Here in after refer as Generator

Towards sustainable growth

- a. M/s. Ramky Energy & Environment Ltd with approval from Karnataka State Pollution Control Board having a common treatment facility for managing Bio-Medical waste in Dakshina Kannada district at plot no 47-B, KIADB Industrial area, Karnad, Mulky, Mangalore. The facility is having state of autoclave system along with shredder and incinerator.
- b. Generator gives its bio-medical waste and expired/damaged items and disposable oils properly packed in colour coded bags or tins as per pollution control board regulations for treatment and final disposal to M/s Ramky Energy & Environment Ltd. The transportation of the waste should be by the Generator up to the site of M/s. Ramky Energy & Environment Ltd.
- c. M/s. Ramky Energy & Environment Ltd. will charge a Fixed price of Rs. 12000/- per year plus applicable GST upto 400 Kgs of Expiry Medicines and more than 400 Kg Rs.32/- per kg plus applicable GST for a period of One year as agreed with Generator treatment and final disposal of its waste. The price will be fixed for a period of up to 17th May 2023.
- d. Generator during this period will not enter into any agreement with any other party or organization for the waste treatment and disposal.
- e. Generator, is assuring that the payment should be made through account payee cheque in favour of M/s. Ramky Energy & Environment Ltd. or online transfer to the account of M/s. Ramky Energy & Environment Ltd on or before 10th of every month.
- f. M/s. Ramky Energy & Environment Ltd will dispose the waste regularly and treat the waste as per the regulations handed over by Generator. M/s. Ramky Energy & Environment Ltd will not collect any waste that is not segregated or properly packed and also general garbage.

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**SHIP CHANDLERS ASSOCIATION
OF NEW MANGALORE PORT**
Handwritten signature
President / Secretary / Treasurer

- g. **Generator** if requested will supply the colour coded waste collection bags at a nominal rate mutually decided between **M/s. Ramky Energy & Environment Ltd** and **M/s. Mars Marine Suppliers**.
- h. **M/s. Ramky Energy & Environment Ltd** will issue a proof of waste collection from **Generator** on regular basis. This will help the individual hospital for getting compliance with the state pollution control board. The individual hospital/nursing home can take their authorization from the pollution control board by informing the board that **M/s. Ramky Energy & Environment Ltd** treats their waste, (the same has to be mentioned in the authorization form).
- i. In case of **Generator** find any irregularities in collection waste, they can send a letter in writing to **M/s. Ramky Energy & Environment Ltd** for immediate action.
- j. **M/s. Ramky Energy & Environment Ltd** will maintain their plant in good condition all the time and ensure continuity of service on all the days without fail and get clearance from the Pollution Control Board as per regulations.
- k. This Memorandum of understanding is entered into on the express understanding that **M/s. Ramky Energy & Environment Ltd** will maintain and run the facilities and collect transport and treat the waste at their plant strictly in accordance with the consent of the Karnataka State Pollution Control Board and it shall be the responsibility to obtain the consent and keep the same always in force.
- l. In case of violation of any of the agreed conditions of the MOU by either side, issue of notice may terminate this MOU three months in advance by either party for terminating their respective obligations.
- m. This Memorandum of Understanding will remain valid for a period of One year commencing from **18th May 2022 to 17th May 2023**, after which date the agreement will automatically stand terminated by the efflux of time unless extended further by mutual agreement.
- n. All disputes to this understanding are subject to the jurisdiction of the court in Mangalore only.

M/s. Ramky Energy & Environment Ltd

Authorized Signatory

M/s. Ship Chandlers Association
SHIP CHANDLERS ASSOCIATION
OF NEW MANGALORE PORT

President / Secretary / Treasurer

ಫೋನ್/Fax: 08C-26586321
ಈಮೇಲ್/E-mail: ho@kspcb.gov.in
ವೆಬ್‌ಸೈಟ್/Website: http://kspcb.gov.in



25581383, 25589112
25588151, 25588270
25588142, 25586520

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಾರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ನಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ, ಭಾರತ
"Parisara Bhavana", 1st to 5th Floor, # 49, Church Street, Bengaluru - 560 001, Karnataka, INDIA
No: PCB/133/CBMWTF/2020-21/ 5926 Date:

CORRIGENDUM

05 FEB 2022

Sub: Corrigendum to the Authorization issued under the Bio medical Waste Management Rules, 2016 to M/s. Ramky Energy and Environmental Ltd., Plot No. 47/B, KIADB Industrial Area, Karnad, Mulky, Mangalore- reg.

- Ref: 1) CFO issued by the Board vide No. AW-329415, PCB ID: 23508 dt: 24.01.2022
2) Authorization under Bio Medical Waste Management Rules, 2016 vide No.5688, dt: 25.01.2022
3) Letter from applicant dt: 02.01.2021.

<<<<>>>>

The Board has issued Consent for Operation under Water and Air acts for Collection, reception, treatment, storage, transportation and disposal of BMW of the capacity of 75 MT/Month for the period upto 30.06.2026 and authorization under Bio Medical Waste Management Rules, 2016 vide ref (2) of capacity 75 Kg/Month for the period up to 30.06.2026.

Now the applicant has submitted letter cited at ref (3) and stated that quantity mentioned in the Authorization is 75 Kgs/Month instead of 75 Tonnes/Month.

Hence, the request by the applicant was verified and following order is made.

ORDER

In the authorization issued vide ref (2) to M/s. Ramky Energy and Environmental Ltd., the quantity mentioned in table of para 3 shall be read as "75 MT/M instead of 75 Kg/M".

All other terms and conditions stipulated in the authorization Order issued vide ref (2) respectively remain unaltered.


SENIOR ENVIRONMENTAL OFFICER
WASTE MANGEMENT CELL

To,
The Occupier,
M/s. Ramky Energy and Environmental Ltd.,
Plot No. 47/B, KIADB Industrial Area, Karnad,
Mulky, Mangalore



"ಪ್ಲಾಸ್ಟಿಕ್ ಬಳಕೆ ನಿಲ್ಲಿಸಿ, ಪರಿಸರ ಹಾನಿ ಕಡಿಪಿಸಿ"

AVOID USE OF PLASTICS-BE 'ECO' FRIENDLY

M/s. Hubli Dharwad Bio-medical Waste Treatment Facility, Dharwad	Incinerator : 100 Kg/hour-2Nos Autoclave : 200 Litre/Cycle Shredder : 50 Kg/hour.	Dharwad Regional office jurisdiction.
M/s. Gadag Enviro Tech. Gadag	Incinerator : 100 Kg/hour. Autoclave : 200 litre/Cycle Shredder : 150 kg/hour.	Gadag Regional office jurisdiction. Hangal taluk, Shiggon taluk & Savnor taluk of Haveri Regional office jurisdiction
M/s. Sushanth Envtozozement Tecfuzologies Private Ltd., Davangere	Incinerator : 100 Kg/hour & 50kg/hr Autoclave : 100 Litre/Cycle Shredder : 40 Kg/hour.	Davangere Regional Office jurisdiction, Haveri taluk, Ranebennur taluk, Hirekeri taluk and Byadagi taluk of Haveri Regional Office jurisdiction.
M/s. VV Incin Solutions Pvt Ltd., Chitradurga	Incinerator : 100 Kg/hour. Autoclave : 400 Litre/Cycle Shredder : 100 Kg/hour.	Chitradurga Regional Office jurisdiction.
M/s. Ramky Energy and Environmental Pvt. Ltd., Mangalore	Incinerator : 250 Kg/hour & 120 Kg/hr Autoclave : 200 Litre/Cycle Shredder : 450 Kg/hour-2Nos	Mangalore Regional Office jurisdiction.
M/s. Ayush Envirotech Pvt Ltd., Udupi	Incinerator : 200 kg/hour. Autoclave : 400 Litre/Cycle Shredder : 150 Kg/hour.	Udupi Regional Office jurisdiction.
M/s. Prajwal BMW Management System, Hassan	Incinerator : 150 Kg/hour. Autoclave : 200 Litre/Cycle Shredder : 250 Kg/hour.	Hassan Regional Office jurisdiction, Sringeri taluk, Moodakere taluk, Koppa taluk of Chikkamagaluru Regional Office jurisdiction, Tiptur taluk of Tumkar Regional Office jurisdiction and Nagamarigata taluk of Mandya Regional Office jurisdiction.
M/s. Shushrutha Bio Medical Waste Management Society, Shimoga	Incinerator : 100 Kg/hr & 50 Kg/hour Autoclave : 100 Litre/Cycle Shredder : 40 Kg/hour.	Shimoga Regional Office jurisdiction and N R Para taluk, Kadur taluk, Tarikere taluk of Chikkamagaluru Regional Office jurisdiction.

MEMBER SECRETARY

Digitally Approved By
[Signature]

ANNEXURE-I

Services Areas of Common Bio-medical Waste Treatment Facilities

Name of the facility	Installed capacity of CBMWTF	Service Area
M/s. Enviro Biotech, Bidar	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shredder : 100 Kg/hour.	Bidar Regional Office Jurisdiction
M/s. Brundhavana Foundation, Gulbarga	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle-2Nos Shredder : 50 Kg/hour.	Kalaburagi Regional Office Jurisdiction.
M/s. Parisara associates, Yadgir	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shredder : 100 Kg/hour.	Yadgir Regional Office Jurisdiction.
M/s. Raichur Indian Medical Association CBMWTF, Itachuz	Incinerator : 50 Kg/hour. Autoclave : 500 Litre/Cycle Shredder : 50 Kg/hour.	Raichur Regional Office Jurisdiction.
M/s. Suzyakanth Environmental technology, Bellamy	Incinerator : 100 Kg/hour. Autoclave : 50 Litre/Cycle Shredder : 50 Kg/hour.	Bellamy and Koppal Regional Office Jurisdiction.
M/s. Association of n4medical Establisfunent, Sy.No.12, Ichasabag Taluk, Belgaum Distrygt	Incinerator : 50 Kg/hour. Autoclave : 230 Litre/Cycle Shredder : 50 Kg/hour.	Belagavi-1 Regional Office jurisdiction
M/s. Belgaum Green Environmental Management, Sy. No. 29, Haroogoppa Village, Haroogoppa- Murgoud Road, Soundatti Taluk, Belgaum District	Incinerator : 150 Kg/hour. Autoclave : 400 Litre/Cycle Shredder : 200 Kg/hour.	Belagavi-2 Regional Office jurisdiction.
M/s. kenera IMA CBMWTF, Karwar	Incinerator : 50 Kg/hour. Autoclave : 100 Litre/Cycle Shredder : 100 Kg/hour.	Karwar Regional Office jurisdiction.

Digitally signed by
[Signature]

MEMBER SECRETARY

[Signature]



Form 2 - [Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016

Authorization No: 321549

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 8 pages excluding annexure)

Authorization No: 321549 PCB ID: 10269 Date: 11/11/2020

**FORM FOR GRANT OR RENEWAL OF AUTHORIZATION BY STATE POLLUTION
CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER
AND OPERATORS OF DISPOSAL FACILITIES**

- R.F: 1. Authorization application submitted by the industry/organization on 16/10/2020 at Regional Office.
2. Inspection of the project site/organization by Regional Officer, Nelamangala on 16/10/2020
3. Proceedings of CCM dated: 27/10/2020, held on: 20/10/2020

1. Number of authorization 321549 and date of issue 11-11/2020
2. Reference of application No. 20784 Inward Date 16/10/2020

3. Senior General Manager of Ramky Enviro Engineers Ltd., (Tsd) is hereby granted an authorization based on the enclosed signed inspection report for or any other use of hazardous or other wastes or both on the premises situated at the location Address: 75 to 85 of Pemmenahalli & 7 & 9 of Thimmanayakanahalli, Towards Doddaballapur Road, NH-207, KIADB Industrial Area, Industrial Area : Nelamangala Taluk, Taluk: Nelamangala, District : Bangalore Rural

Details of Authorization:

Category of Hazardous waste as per the Schedule I, II & IV of these rules	Description of Hazardous Waste	Quantity/Annum Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
	9.1-Lead bearing residues	10000.000 M.T	As Per Annexure
	8.3-Flue Gas Dust And Other Particulates	10.000 M.T	As Per Annexure
	37.1-Sludge from wet scrubbers.	5.000 M.T	As Per Annexure
	17.1-Residues Dusts Or Filter Cakes	10.000 M.T	As Per Annexure
	17.2-Spent Catalyst	10.000 M.T	As Per Annexure



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 321549

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana.No.49, Church
Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

(This document contains 8 pages excluding annexure)

2.2~Sludge Containing Oil	100.000 M.T	As Per Annexure
8.2~Sludges And Filter Cakes	10.000 M.T	As Per Annexure
6.2~Zinc fines or dust or ash or skimmings in dispersible form	10.000 M.T	As Per Annexure
20.3~Distillation Residues	500.000 M.T	As Per Annexure
5.2~Wastes Residues Containing Oil	500.000 M.T	As Per Annexure
20.4~Process Sludge	800.000 M.T	As Per Annexure
5.1~Used Spent Oil	1.500 M.T	As Per Annexure
3.1~cargo residue, washing water and sludge containing oil	200.000 M.T	As Per Annexure
4.5~Spent Clay Containing Oil	100.000 M.T	As Per Annexure
3.2~cargo residue and sludge containing chemicals	200.000 M.T	As Per Annexure
4.4~Organic Residues From Process	100.000 M.T	As Per Annexure
3.3~Sludge And Filters Contaminated With Oil	200.000 M.T	As Per Annexure
4.2~Spent Catalyst	100.000 M.T	As Per Annexure



Form 2 - [Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016

Authorizer No: 321549

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 8 pages excluding annexure)

4.1-Oily Sludge Emulsion	300.000 M.T	As Per Annexure
9.2-Lead ash or particulate from flue gas	20.000 M.T	As Per Annexure
19.1-Residue or sludge containing phenol	100.000 M.T	As Per Annexure
11.5-Drosses and waste from treatment of salt sludge	10.000 M.T	As Per Annexure
35.5-Chromium sludge from cooling water	1.000 M.T	As Per Annexure
12.1-Acidic and alkaline residues	30.000 M.T	As Per Annexure
35.3-Chemical Sludge From Waste Water Treatment	20000.000 M.T	As Per Annexure
33.2-Contaminated cotton rags or other cleaning materials	500.000 M.T	As Per Annexure
12.6-Sludge From Staining Bath	30.000 M.T	As Per Annexure
33.1-Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0.000 M.T	As Per Annexure
13.6-Residues from coke oven by product plant	20.000 M.T	As Per Annexure
31.1-Process residue and wastes	20.000 M.T	As Per Annexure



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 321778

Valid upto: 30/09/2029

Karnataka State Pollution Control Board
MangalorePlot No.10B, Parisara Bhavana,
Baikampady Industrial Area,Mangalore-575011
Tele : 0824-2408420
Fax:
email id:

(This document contains 4 pages excluding annexure)

CHIEF/ SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Signature Not Verified

Digitally signed by
Date: 2020.11.23 15:17:13
+05:30



Form 2 - [Rule 6(2)] Authorization
under [Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016
Authorization No: 321549

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

Valid upto: 30/06/2026

(This document contains 8 pages excluding annexure)

28.2~Sludge containing residual pesticides	100.000 M.T	As Per Annexure
15.2~Discarded Asbestos	100.000 M.T	As Per Annexure
29.7~Process wastes or residues	100.000 M.T	As Per Annexure
18.1~Spent Catalyst	10.000 M.T	As Per Annexure
28.5~Date-expired products	1000.000 M.T	As Per Annexure
18.2~Carbon residue	100.000 M.T	As Per Annexure
28.4~Off specification products	500.000 M.T	As Per Annexure
18.4~Chromium Sludge From Water Cooling Tower	20.000 M.T	As Per Annexure
12.8~Plating Metal Sludge	20.000 M.T	As Per Annexure
32.2~Corrosive Wastes Arising From Use Of Strong Acid And Bases	1.000 M.T	As Per Annexure
28.3~Spent carbon	400.000 M.T	As Per Annexure
21.1~process Wastes,Residues and sludges	5.000 M.T	As Per Annexure
22.2~Process residues	500.000 M.T	As Per Annexure



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorzation No: 321549

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
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(This document contains 8 pages excluding annexure)

24.1- Chemical Residues	1000.000 M.T	As Per Annexure
25.1- Chemical Residues	200.000 M.T	As Per Annexure
26.1- Process waste sludge/residues containing acid, toxic metals, organic compounds	1300.000 M.T	As Per Annexure
27.1- process Residues	400.000 M.T	As Per Annexure

1. The authorization shall be valid for a period upto 30/06/2026

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.



Form 2 - [Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement] Rules, 2016

Authorization No: 321549

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: hoo@kspcb.gov.in

(This document contains 8 pages excluding annexure)

28.1-Process Residue and wastes	1500.000 M.T	As Per Annexure
23.1-Wastes or residues(not made with vegetable or animal materials)	500.000 M.T	As Per Annexure
1.1-Furnace/Reactor Residue And Debris	100.000 M.T	As Per Annexure
37.3-Concentration or evaporation residues	3000.000 M.T	As Per Annexure
10.1-Residues Containing Cadmium And Arsenic	10.000 M.T	As Per Annexure
37.2-Ash from Incinerator and flue gas cleaning residue	6000.000 M.T	As Per Annexure
11.4-Flue Gas Dust And Other Particulates	10.000 M.T	As Per Annexure
35.1-Exhaust Air or Gas cleaning residue	50.000 M.T	As Per Annexure
34.2-Sludge from treatment of waste water arising out of cleaning / disposal of barrels/containers	5.000 M.T	As Per Annexure
12.3-Spent bath and sludge containing sulphide, cyanide and toxic metals	10.000 M.T	As Per Annexure
34.1-Chemical-containing residue arising from decontamination.	5.000 M.T	As Per Annexure
12.5-Phosphate Sludge	50.000 M.T	As Per Annexure



Form 2 - (Rule 6-25) Authorization
under Hazardous & Other Wastes
(Management & Transboundary
Movement) Rules, 2016

Authorization No: 321549

Valid upto: 30/06/2028

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele: 080-25589112/3, 25581383
Fax: 080-25586321
email id: ho@kspcb.gov.in

(This document contains 2 pages excluding annexure)

9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forests and Climate Change or Central Pollution Control Board from time to time.
11. An application for the renewal of an authorization shall be made **3 months** before the date of expiry.
12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.
15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
17. The hazardous and other waste which gets generated during recycling or reuse or recovery or re-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of a authorization.
18. The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.
19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8(1).
20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

Additional Conditions:

The applicant shall follow the uploaded additional conditions stipulated along with Annexure-A, B, C

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For and on behalf of the
Karnataka State Pollution Control Board



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016
Authorization No: 321549

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

This document contains 8 pages excluding annexure 1

CHIEF SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Signature Not Verified

Digitally signed by
Date: 2020.11.11 16:49:52
+05:30



1. M/S Karnataka Waste Management Project (A Division Of M/S Ramky Enviro Engineers I.t.d., is hereby authorised under Rule 6 of the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016 to Operate Common Hazardous Waste Treatment and Disposal Facility at Sy. No. 75-85 Of Pemmanahalli Village And Sy. No. 7, 8 & 9 of Thimmanayakanahalli Village, KIADB Industrial area, Dabaspet, Nelamangala Taluk, Bangalore Rural District- 562 111. The facility is authorised to collect the hazardous waste, transport , storage, treatment and dispose the hazardous waste generated from other industries authorised by the Board with capacities as under
 - i) To Dispose of Hazardous waste in Secured landfill of capacity not exceeding 40,000 T/Annum
 - ii) Incineration of Hazardous Waste - using Incinerator of capacity 12,528 TPA and shall conform to following ;

Bio-degradable organics <5%, Non Biodegradable Organics >20% with Calorific value of >2500 Kcal/Kg.
2. The Categories of waste authorised for disposal through Secured land fill and incineration is given in Annexure- A & B respectively.
3. The Operator of the facility is also authorised to generate, treat and dispose hazardous waste generated during process of operation of Incinerator of Hazardous waste received from outside / DG sets etc., within the CHWTSDF .
4. In view of COVID -19 Pandemic, applicant shall be ready to incinerate the excess incinerable Biomedical waste if need arises, with prior intimation to the Board.
5. The Operator of the CHWTSDF shall only accept the wastes covered under the HW Rules, 2016 and during emergency situation the bio-medical waste shall be accepted for incineration with prior intimation to the Board. .
6. Transportation of hazardous wastes shall be done in compliance with the H & OW Rules respectively and the guidelines issued by CPCB/MoEF & CC, Govt of India in this respect from time to time. Suitable transport vehicle, closed containers etc. shall

be provided appropriate with the nature. Characteristics of wastes. The guidelines for transportation given in **Annexure- D** shall be followed.

7. Dedicated vehicles either owned by the facility or leased out by the facility shall be used for transportation of the hazardous waste. However individual authorisation under the Rule. 6(1) of HOW Rules, 2016 shall be obtained for transportation for each of the vehicles.
8. The Occupier of the facility shall provide washing bay for all the vehicles involved in transportation and shall ensure that, vehicles used for transportation shall only be washed in the Washing bay within CHWTSDF .
9. Operator of the facility shall set up the laboratory for analysis of hazardous wastes in accordance with the provisions as recommended in the Memorandum of Understanding. The laboratory shall have the capability to carry out the comprehensive and finger print parameters analysis as may be necessary for treatment and disposal of the hazardous waste
10. The laboratory shall be adequately staffed and equipped to carry out the above work. The laboratory shall be responsible to maintain the analytical records.
11. Operator shall ensure all the installed analytical equipments are in good working condition so as to provide support for required scientific operation of the facility and also to ensure proper stabilization of hazardous waste before disposing the same in land fill.
12. Safety, security, contingency plans, risk management and emergency procedures shall be put in place all the times.
13. The Operator of the facility shall obtain Public Liability Insurance and Shall remit Environment Relief Fund . The same shall always be in force.

OPERATING REQUIRMENTS OF THE CHWTSDF:

All operations involving collection, transport, storage and disposal shall comply with the guidelines / regulations Issued by CPCB / MoEF & CC, Government of India from time to and stipulated in the authorization under Rule 5 of the HW Rules. The Operator should ensure the hazardous wastes from the generators are accepted at the facility in compliance of the manifest notified under the said rules through Hazardous Waste Transporter authorized by KSPCB.

1. **Overall responsibility of the Operator:**
 - a) Accepting hazardous wastes at CHWTSDF from the generators authorized by KSPCB



- b) Establishing a system for optimal movement of hazardous wastes transportation and treatment and disposal operations
- c) Operating the CHWTSDF as per conditions stipulated in the authorization as well as guidelines issued by CPCB/MoEF & CC from time to time..
- d) Undertaking cleanup operation and remediation in case of contamination resulting from CHWTSDF or during transportation of hazardous waste by Operator of the facility. .
- e) Compliance of regulations concerning occupational safety and health of CHWTSDF employees.

2. Sequence of Operations at the CHWTSDF :

- a) Hazardous wastes and its Comprehensive Analysis (CA) done at time of entering MOU shall be received by Operator from the generator
- b) The operator shall examine the report and plan pathway for hazardous waste treatment and disposal.
- c) Upon confirmation of the same by the operator to the generator(sender) the waste shall be dispatched to the CHWTSDF accompanied by transport manifest.
- d) Upon receipt at the facility, the hazardous wastes shall be weighed and properly tagged.
- e) Hazardous waste shall then undergo a visual inspection to confirm the physical appearance.
- f) A representative sample of the hazardous waste shall be collected and sent to the on-site laboratory for Finger Print Analysis (FPA).
- g) The result of the Finger Print Analysis (FPA) shall be compared with the results of Comprehensive Analysis (CA).
- h) Upon confirmation, hazardous waste shall be sent for CHWTSDF operations accordingly through the identified pathway.

3. Storage at Generator's premises:-

It is the responsibility of the Operator to inform the Generator about non-compatible wastes so that the generator may take precautions against mixing or storing of such wastes. The Operator shall have to educate the Generator's staff to make on-site storage in colour coded containers that are supplied by the Operator. The sizes of the containers, drums, trolleys, etc. shall be governed by the volume of specific type of waste and carting cycle. While considering this, the Operator shall ensure that the problems like odour, surface water contaminations, ground water percolation etc. does not occur.

4. Pre treatment at Sender (Generator) place:

This aspect is basically for making the waste more amenable for transport and further treatment. This can be done by way of neutralization, oil & grease removal, change in form, dewatering etc, so as to render such waste less hazardous. This activity should be done in scientific manner and the pollution so generated would have to be treated so as to meet the standards as stipulated in the consent order. The Operator of the facility shall advise the generator to make the waste amenable for transport.

5. Pre-Transportation :

- 1.1 The Operator shall not accept hazardous wastes from a generator/Sender unless six-copy (with colour codes) manifest is generated and provided by the generator/sender himself.
- 1.2 The transporter shall give two copies of the manifest signed and dated to the generator and retain the remaining 4-copies to be used for further necessary action prescribed in the HW Rules.
- 1.3 This aspect shall include the envisaged strength of fleet of hazardous waste transportation vehicles that the Operator desires to place in service.
- 1.4 The transport vehicle shall be designed suitably to handle and transport the hazardous wastes of various characteristics. The transportation may include transferring of the containers or contents. In both the cases, However, care shall be taken that non-compatible wastes are not mixed. The wastes shall be transported in closed manner at all times.
- 1.5 Necessary precautions should be taken as envisaged under the guidelines issued by MoEF in 1991, CPCB in 1998 and Central Motor Vehicles Rules, 1989. There should be a garage / workshop to inspect cushioning springs, sparking from silencer, engine getting hot, starting trouble, washing of vehicles, closing arrangement etc.
- 1.6 Pre-transportation operations shall include pre-inspection of tankers/ containers before filing, to check for cleanliness / washing followed by packaging labelling and marking Drivers should be trained and knowledge should be provided regarding TREM (Transport Emergency) Cards and the manifest stations after unloading of wastes and not in the generator's premises before loading of fresh waste. Old label shall be removed to avoid misleading message. Proper documentation shall be done as per HW Rules.

6. Loading & Transportation

- 6.1 Since the transportation cargo is hazardous in nature, it is essential that mechanical loading of containers takes place with the help of mobile or in-built cranes / loading equipment in the transportation vehicles meant for transporting the hazardous wastes. Portable or inbuilt cranes should be engaged to lift the containers and place them on

the transporting vehicles. Spillages should be avoided through measures such as checking shock absorbing capacity of vehicles, road surfaces, free board in the containers, curvature of the roads, unsecured fastening of drums etc.

- (C) Manifest documents or a change of custody receipt books is essential. A location map may be prepared on a daily basis where every entry of hazardous waste load is shown.

7. Spillage Handling

Spillage during handling should be avoided by adopting good housekeeping practices and upkeep of storages/handling equipment. Operator would have transporting staff and provide them with instructions to use the TREC Cards to deal with fires and accidents and should equip with signs, placards, etc. This aspect should also be covered under the scheme.

The Operator shall immediately inform KSPCB and other regulatory authorities in case of spillage, leakage or other accidents during transportation.

8. Storage at CHWTSDF :

Separate area should be earmarked for storing the waste at CHWTSDF for storing incinerable waste and Landfillable which requires stabilization. The storage area may consist of different cells for storing different kinds of hazardous wastes. In designing these cells, the following points shall be taken into consideration.

- i. That ignitable, reactive and non-compatible wastes should be stored separately.
- ii. That wastes containing volatile solvents or other low vapour pressure chemicals should be adequately protected from direct exposure to sunlight.
- iii. The storage area should have a proper containment system. The containment system should have a collection area to collect and remove any leak, spill or precipitation.
- iv. It should be designed in such a way that the floor level of the storage area is least 150 mm above the maximum flood level.
- v. The operator should put in place a system for inspection of the storage also to check the conditions of the containers, spillages, leakages etc proper records as may specified by KSPCB in the authorization.
- vi. The hazardous wastes should not be stored for more than 90 days at this temporary storage area.
- vii. In case the waste is not in accordance with the authorization issued by KSPCB to the generator, the operator shall reject the wastes. Intimation to this effect shall be immediately sent to KSPCB for further advice.



- vii. Incinerable hazardous wastes shall be stored as per the guidelines issued by Central Pollution Control Board for storing of incinerable hazardous wastes.

9. Waste Treatment / Stabilization

Waste Treatment / Stabilization process shall be designed to convert hazardous wastes in the form of non-aqueous liquids, semi-solids or reactive solids in to less leachable solids that can be then deposited directly into the secured landfill. The treatment / stabilization operations shall be carried out for all wastes identified for the purpose so as to minimize their contaminant leaching potential so as to change the nature of such wastes to a less hazardous category. Treatment / stabilization shall involve immobilization of leachable materials by fixation of non-reactive solids, reduction of volume, reducing contaminant level of organic / inorganic components. Suitable Technology shall be selected depending on the nature of waste, physical properties, option for technology applications cost, etc. The treated wastes shall be assessed for compatibility with other wastes as with liner system used before being land filled.

10. Record keeping

A day to day record with (weekly, monthly, quarterly and annual) extracts shall be prepared separately for land fillable and incinerable waste.

Operator shall have to devise a separate format for daily record or logbook. This shall include:

- a) Hazardous waste generation
Category number
Origin of manufacturing activity;
- b) Description of hazardous waste.
Physical form & Chemical form
Quantity (volume & weight)
- c) Details of
Daily method of storage of hazardous waste
Daily method of treatment of hazardous waste
- d) Details of transportation
Name and address of consignee of package
Mode of packing
Mode of transportation
Date of transportation
Quantity transported

e) **Details of disposal of hazardous waste (date wise)**

Date of disposal

Concentration of hazardous material in the final waste form

Details of stabilization.

Site of disposal (identify the location on the relevant layout drawing for reference)

Method of disposal (incinerated/land filled).

f) **Data on environmental surveillance**

Date of measurement

Ground water (sampling location, depth of sampling, results)

Soil (sampling location, depth of sampling, results)

Air (sampling location, data)

Any other (keep record) and data base on the above aspect shall be developed within one month and the credentials (user ID & PW) shall be made available to the Board.

g) **Remark (like discrepancy in manifest etc) & Details of environmental surveillance**

- Date of measurement

- Ground water (sampling location, depth of sampling, results)

- Soil (sampling location, depth of sampling, results)

- Air (sampling location, data)

Any other (keep record)

Accident Reporting

- Date and time of accident

- Sequence of event leading to accident

- Name of hazardous waste involved in the accident

- Chemical data -sheet assessing effect of accident on health and environment

- Emergency measures taken

- Step to prevent recurrence of such wastes.

h) The Operator of the facility shall also maintain a record of inspections and visits of officials from KSPCB, CPCB, Directorate of factories, Department of Ecology and Environment, Government of Karnataka, MoEF & CC, South Zone, & Local authorities. This should be followed by compliance report.


SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL
KSPCB
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ANNEXURE-A

a) Categories of Waste authorised for disposal in land fill.

Waste Stream No as per Schedule - I	Description of Hazardous Waste for land fill	Authorized quantity of hazardous waste	Treatment and disposal methods to be adopted
10.1	Residues Containing Cadmium And Arsenic	40,000 TPA	Shall be collected from the hazardous wastes generating industries from Karnataka State and transported through designated vehicles to the TSDF site and stabilized in stabilization pits provided within the industry and then land filled by scientific procedure.
11.4	Fue Gas Dust And Other Particulates		
11.5	Drosses and waste from treatment of salt sludge		
12.1	Acidic and alkaline residues		
12.3	Spent bath and sludge containing sulphide, cyanide and toxic metals		
12.5	Phosphate Sludge		
12.6	Sludge From Staining Bath		
12.8	Plating Metal Sludge		
13.6	Residues from coke oven by product plant		
15.2	Discarded Asbestos		
17.1	Residues Dusts Or Filter Cakes		
17.2	Spent Catalyst		
18.1	Spent Catalyst		
18.4	Chromium Sludge From Water Cooling Tower		
21.1	process Wastes, Residues and sludge		
24.1	Chemical Residues		
26.1	Process waste sludge/residues containing acid, toxic metals, organic compounds		
28.1	Process Residue and wastes		
28.3	Spent carbon		
31.1	Process residue and wastes		
32.2	Corrosive Wastes Arising From Use Of Strong Acid And Bases		
34.1	Chemical-containing residue arising from decontamination.		



34.2	Sludge from treatment of waste water arising out of cleaning / disposa. of barrels/containers	40,000 TPA	Shall be collected from the hazardous wastes generating industries from Karnataka State and transported through designated vehicles to the TSDF site and stabilized in stabilization pits provided within the industry and then land filled by scientific procedure.
35.1	Exhaust Air or Gas cleaning residue		
35.3	Chemical Sludge From Waste Water Treatment		
35.5	Chromium sludge from cooling water		
37.1	Sludge from wet scrubbers.		
37.2	Ash from incinerator and flue gas cleaning residue		
37.3	Concentration or evaporation residues		
6.2	Zinc fines or dust or ash or skimmings in dispersible form		
8.2	Sludges And Filter Cakes		
8.3	Flue Gas Dust And Other Particulates		
9.1	Lead bearing residues		
9.2	Lead ash or particulate from flue gas		


SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL
KSPCB

ANNEXURE -B

a) Categories of Waste authorised for Incineration

Waste Stream No as per Schedule -I	Description of Hazardous Waste for incineration	Authorized quantity of hazardous waste	Treatment and disposal methods to be adopted
1.1	Furnace/Reactor Residue And Debris	12,528 TPA	Shall be collected from hazardous waste generators and transported in approved vehicles without causing adverse effect on the environment, stored in the premises. Incinerate the same in an approved incinerator using environmentally sound technology with proper control equipments.
18.2	Carbon residue		
19.1	Residue or sludge containing phenol		
2.2	Sludge Containing Oil		
20.3	Distillation Residues		
20.4	Process Sludge		
21.1	process Wastes, Residues and sludge		
22.2	Process residues		
23.1	Wastes or residues(not made with vegetable or animal materials		
24.1	Chemical Residues		
25.1	Chemical Residues		
26.1	Process waste sludge/residues containing acid, toxic metals, organic compounds		
27.1	process Residues		
28.1	Process Residue and wastes		
28.3	Spent carbon		
28.4	Off specification products		
28.5	Date-expired products		
29.1	Process wastes or residues		
29.2	Sludge containing residual pesticides		
3.1	cargo residue, washing water and sludge containing oil		
3.2	cargo residue and sludge containing chemicals		
3.3	Sludge And Filters Contaminated With Oil		
33.2	Contaminated cotton rags or other cleaning materials		

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4.1	Oily Sludge Emulsion	12,528 TPA	Shall be collected from hazardous waste generators and transported in approved vehicles without causing adverse effect on the environment, stored in the premises. Incinerate the same in an approved incinerator using environmentally sound technology with proper control equipments.
4.2	Spent Catalyst		
4.4	Organic Residues From Process		
4.5	Spent Clay Containing Oil		
5.2	Wastes Residues Containing Oil		


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KSPCB


ANNEXURE -C

a) Categories of Waste authorised to be generated , stored and disposed

Waste Stream No as per Schedule -I	Description of Hazardous Waste generated	Authorized quantity of hazardous waste	Treatment and disposal methods to be adopted
Incineration Plant			
37.2	Incineration ash and flue gas cleaning residue and Salts generated from Spray drier	1000 MT/A	Shall be stored in secured manner and disposed in land fill
Common TSDF Facility			
5.1	Used Oil	1.5 KL/A	Shall be stored in secured manner and hand over to authorized re-processors
5.2	Waste residue containing oil	0.5 MT/A	Shall be stored in secured manner and hand incinerated in house
5.2	Oil contaminated filters	10 No's/A	Shall be stored in secured manner, and incinerated in house
5.2	Used bags (Contaminated with chemicals and oil)	2.0 MT/A	Shall be stored in secured manner and incinerated in house
5.2	Contaminated hand gloves, gum boots etc.,	600 Pairs/A	Shall be stored in secured manner and incinerated in house
33.1	Discarded containers	200.0 MT/A	Shall be stored in secured manner and handed over to authorized recyclers.

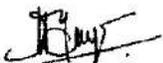

SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL
KSPCB

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ANNEXURE -D

TRANSPORTATION:

1. The transporter shall comply with the following :
 - i) Transporter should have valid "Pollution Under Control Certificate" for the vehicle and the same shall be valid all the times.
 - ii) Vehicles shall be painted preferably in blue colour with white strip of 15 to 30 cm width running centrally all over the body.
 - iii) Vehicle should be fitted with mechanical handling equipment as may be required for safe handling and transportation of the wastes.
 - iv) The words "HAZARDOUS WASTE" shall be displayed on all sides of the vehicle in Vernacular Language, Kannada & English.
 - v) Name of the transporter and the facility to which it has entered agreement for transport of Hazardous or, as the case may be shall be displayed.
 - vi) Vehicles shall be fitted with roll-on/roll-off covers if the individual containers do not possess the same.
 - vii) Carrying of passengers is strictly prohibited and those associated with the waste haulers, shall be permitted only in the cabin.
 - viii) Transporter shall carry documents of manifest for the wastes during transportation as required under Rule 20 of the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.
 - ix) The truck shall be dedicated for transportation of hazardous wastes and they shall not be used for any other purpose.
 - x) The vehicle shall carry first aid kit, spill control equipment and fire extinguisher.
 - xi) HW transport vehicle shall run only at a speed specified under Motor & Vehicle Act in order to avoid any eventuality during the transportation of Hazardous Waste.
 - xii) Educational qualification for the driver shall be minimum of 10th pass (SSLC). The driver of the transport vehicle shall have valid driving license for heavy vehicles from the State Road Transport Authority and shall have experience in transporting the chemicals.
 - xiii) Driver shall be properly trained for handling the emergency situation and safety aspects involved in the transportation of hazardous wastes.
 - xiv) The design of the trucks shall be such that there is no spillage during transportation;


SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL
KSPCB

ANNEXURE-IV PORT RECEPTION FACILITY FOR TREATMENT OF SEWAGE FROM SHIPS

**NEW MANGALORE PORT TRUST
MARINE DEPARTMENT**



No. NMPT/DM /Annex-IV PRF/Circular/2018/085

28-06-2018

Circular

Subject: Port Reception Facility for Treatment of Sewage from Ships

As required by MARPOL Annexure IV (Regulations for the Prevention of Pollution by Sewage from Ships), any request from vessels for availing STP at NMPT will be made by Shipping agents to the STP in-charge mentioned below with intimation to this department (marpol-res@nmpt.gov.in). Shipping agents to arrange for transportation of sewage from vessels till STP with nominal charges as approved by Mangalore City Corporation.

Sewage Treatment Plant, NMPT

STP in-charge: Executive Engineer (Mtc-II)

E-mail id: yogindra.s@nmpt.gov.in

Contact No: 8618397399

The Sewage Treatment Plant shall be provided free of cost to the vessels.

Entry of quantity disposed should be made in Port Reception Form (circular No. NMPT/DC/Circular/2018/43 dated 06.03.2018) and same should be sent to marpol-res@nmpt.gov.in for record.

This issues with the approval of the Competent Authority.

[Signature]
Dy. Conservator
New Mangalore Port Trust

To: All Shipping Agents/Port Users/Ship owners

Cc: Dy. Chairman for kind information
CE, Civil Dept
CME Dept
EE (Mtc-II)
EDP for uploading on NMPT website

Annexure V – DG SHIPPING ORDERCIRCULAR FOR SAWCHH SAGAR PORTAL



ನವ ಮಂಗಳೂರು ಬಂದರು ಮಂಡಳಿ

नव मंगलूर पत्तन न्यास

NEW MANGALORE PORT TRUST

Govt. of India (Ministry of Shipping)

ಬೆಂಗಳೂರು ಪಾನಾಬುರ್ Panambur / ಮಂಗಳೂರು ಮಂಗಳೂರು Mangalore - 575010.



SAGARMALA
PORT-LED PROSPERITY

Email: dyconservator@nmpt.gov.in

No. NMPT/DM/PRF-SS/2019/043

27.06.2019

To

The Mangalore Steamer Agent's Association,
2nd Floor, West Gate Terminus,
Highland, Mangalore – 575 002.

Sir,

SUB: Utilization of Centralized Port Reception Facility Portal-Reg.
REF: MMD Kochi letter No.S/General/042/530 dtd. 11.06.2019.

Please find attached herewith the above cited letter of MMD Kochi enclosing DG Shipping Circular No.6 of 2018 dated 20.11.2018 which is self explanatory regarding "Utilization of Centralized Port Reception Facility Portal": "Swatch Sagar".

In this regard, it was intimated to comply the same vide Circular No. NMPT/DM/Circular/2018/138 Dated 30-11-2018.

You are once again directed to strictly comply the DG Shipping guidelines and each vessel has to declare waste quantities on ship prior berthing in "Swatch Sagar Web Portal" by the Ship Captain/Owner/Manager/Agent. Non compliance of the same may result in denial of entry to this port.

This issues with the approval of the Competent Authority

Yours sincerely

(Capt. S.R. Pattanayak)
Deputy Conservator

Encl: DGS Circular

CC:

1. All shipping Agents/ Port Users/ Stevedores.
2. EDP to upload in the NMPT website
3. VTS/Pilots for information.
4. The Chairman for kind information.

ದೂರವಾರ್ತೆ : ಕಚೇರಿ : 0824 - 2407341

ಫೋನ್ : ಕಾರ್ಯಾಲಯ : 0824 - 2407341

Phone : Office : 407341 (18 Lines)

ಫ್ಯಾಕ್ಸ್ : 0824 - 2408390

ಫ್ಯಾಕ್ಸ್ : 0824 - 2408390

Fax : 0824 - 2408390

An ISO 9001:2015, 14001:2015 & ISPS Compliant Port

भारत सरकार
समुद्री वाणिज्य विभाग

नौवहन मंत्रालय
नॉर्थ एण्ड पी.ओ.
डक बाक्स सं.3701
कोच्ची - 682009



Government of India
MERCANTILE MARINE DEPARTMENT
Ministry of Shipping
North End P.O.
P.B.No. 3701
Willingdon Island
Kochi - 682009

शीघ्र डाक
SPEED POST

दूरभाष / Telephone 0484 2666104, 2587000-38; फैक्स / Fax: 0484 2667424; ई-मेल / E-Mail: ne.mmd@coi.gov.in
सं.एस/ सामान्य/042/ 530

दिनांक 71 JUN

To:

1. The Dy. Conservator, CPT	2. The Dy. Conservator, NMPT
3. The Port Officer, Vizhinjam	4. The Port Officer, Valiyathura, Trivandrum
5. The Port Officer, Thankaserry	6. The Port Officer, Kollam
7. The Port Officer, Alappuzha	8. The Port Officer, Kodungallore
9. The Port Officer, Ponnani	10. The Port Officer, Kozhikode
11. The Port Officer, Beypore	12. The Port Officer, Thalassery
13. The Port Officer, Kannur	14. The Port Officer, Kasargode
15. The Port Officer, Neeleswaram	16. The Port Officer, Azhikkal
17. The Port Officer, Kayamkulam	18. The Port Officer, Vadakara
19. The Port Officer, Manjeswaram	20. The Port Officer, Malpe
21. The Port Officer, Hangarkatta	22. The Port Officer, Kundapura
23. The Port Officer, Bhatkal	24. The Port Officer, Honnavar
25. The Port Officer, Tadari	26. The Port Officer, Belkeri
27. The Port Officer, Karwar	

विषय/Subject: Utilization of Centralized Port Reception Facility Portal: 'Swachh Sagar' - reg.

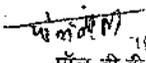
Sir,

Enclosed herewith please find copy of circular No: 06 of 2018 (F.No: ENG/OPP.MARPOL 38(5)/04 PT.II Dated 20.11.2018), received from the Directorate General of Shipping, Mumbai, regarding Utilization of Centralized Port Reception Facility Portal: 'Swachh Sagar'.

You are requested to confirm the compliance of the above said requirements at the earliest. Please note whether waste reception facility is available or not, all ports are requested to be registered on the portal and prior berthing, each vessel has to declare waste quantities on ship (irrespective of whether reception facility is required or not). Further, ports have to ensure that necessary data is filled up prior allowing the vessel to berth.

Kindly treat the matter 'most urgent'.

भवदीय


पॉल वी. वी.
इंजीनियर व पोत स्वैक्षक



भारत सरकार GOVERNMENT OF INDIA
 पोत परिवहन विभाग MINISTRY OF SHIPPING
 नौवहन महानिदेशकालय DIRECTORATE GENERAL OF SHIPPING

फैलिंग नं. 022 - 25752040/1/2/3
 फोन: 022 - 25752029/35
 ई-मेल: dgshindia@nic.in
 वेब: WWW.dgshindia.gov.in

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 वेब: www.dgshindia.gov.in

सं. नं. ENG/OPP-MARPOL-88(5)/04.PT.II

Date: 20.11.2018

Circular No. 06 of 2018

Utilization of Centralized Port Reception Facility Portal: Swachh Sagar

1. Introduction:

India being a signatory to MARPOL Convention is obliged to provide adequate waste reception facilities in its ports for various ship generated wastes. The Merchant Shipping Act, 1958, mandates and imposes responsibility for the ports to provide in their own capacity such facilities to the satisfaction of Central Government. Notwithstanding the foregoing, the Directorate General of Shipping being the Indian Administration under Merchant Shipping Act, 1958 is responsible to International Maritime Organization and hence obligated to deal with any reported inadequacies of such port reception facility. Over the years, the Directorate has been answering a number of complaints registered on IMO GISIS Website by foreign ships on inadequacy of reception facility in Indian ports.

An assessment of port reception facilities provided by various Indian ports was carried out and it has been noted that many factors such as lack of advance notification, non-availability of details of port reception facility providers on port website, non-availability of port reception facilities for various ship generated waste in prime ports and other administrative issues caused inadequacies in service delivery.

In order to facilitate ships and to help Indian ports ensure an efficient, effective and transparent port reception service delivery, the Directorate has developed an on-line Centralized Port Reception Facility portal. This portal, the link of which is available on DGS Website, is known as "Swachh Sagar". Apart from easing the provision of port reception facility, the portal will capture data to provide following other services in due course:

- a) Provision of adequate port reception facilities depending upon type of ships entering a port and the waste type given to shore facility.
- b) Tracking of and disposal of waste collected for compliance to National and local laws.
- c) Setting up of infrastructure for shore electric power supply by calculating electric power demand in various ports to control air pollution.

2. Swachh Sagar: Web Portal

The portal is designed to capture the inventory of ship generated waste on any ship on arriving at an Indian port. The ship captain/master/manager/agent is required to access the portal and fill up certain required information irrespective of whether they require port reception facility or not. If the port reception facility is required, this necessary advance notification for the same can be raised through this portal. Subsequently portal will connect the captain/owner/manager/agent requesting for port reception facility with all port approved vendors of arrival port to negotiate and fix a suitable vendor and date and time for disposal of ship generated waste. All these communications are visible to port authority as well as DG shipping. Apart from handing over shore reception receipt to Master, a copy of the same will be uploaded by the vendor on the portal. The master/owner/manager/agent can also lodge a complaint regarding inadequate service delivery or non-availability of shore reception facility via the portal. In case of any complaints, communication done on this platform will only be considered as formal for investigation. Therefore, it is mandatory for ports, ships, vendors to use this platform for all MARPOL discharge related requests.

3. Application

This circular is applicable to following Indian ports and Indian and foreign flag ships from the date of issue of this circular or 1st December 2018 whichever is earlier:

- a) Ports in the Union list of Constitution of India.
- b) Ports in the Concurrent list of Constitution of India.
- c) Foreign ships during each visit to any Indian port, anchorage, roadstead etc whether or not port reception facility is required.
- d) Indian ships registered under Merchant Shipping Act, 1958 during each visit to any Indian port, anchorage, roadstead etc whether or not port reception facility is required.

4. Requirements

A) Ships

- a) All ships visiting any Indian port or anchorage should access the web portal and give details as stated there including inventory of ship generated waste on board whether or not a port reception facility is required.
- b) If the ships are at anchorages such details are to be filled up weekly.
- c) In case port reception facilities are required, then the same is to be preferably requested 24 hours or more prior arrival.

B) Ports

- a) Ports are required to create identification data of all approved vendors and issue user id and password to each of such vendor. To do the same it is required that an admin page for each port is created and user id and password is given to each port. Each port is required to contact Directorate at psc-dgs@nic.in to create admin page with the following information:

Name of Port; Name of Port Representative looking after PRF portal; Mobile no.; Office contact no.

The above is to be completed as soon as possible and a circular to be issued by each port so that all ships visiting the said port fill up the details and if required request for port reception through the Swachh Sagar Web-site from 1st December 2018. Port authorities are required to deny entry of ships in their ports in case of non-compliance, that is, in case requisite data is not filled up (whether or not port reception facilities are required). List of ports which have already furnished the requisite information is attached as annexure to this circular and they should start compliance from 1st December 2018.

- b) Ports to monitor the performance of vendors and complaints as same will be a parameter during conduct of assessment of port reception facility by Administration Surveyors.

C) Mercantile Marine Departments

- a) Each MMD will be given access to monitor the performance of ports under their jurisdiction.
- b) MMD's to ensure compliance with this circular by all ports under their jurisdiction by 1st November 2018. A report stating the compliance achieved to be forwarded to the Directorate by 1st November 2018.
- c) Assessment by MMDs of individual ports to include the performance as monitored through the online portal.

Sd.

Y. Prasad Rao

Engineer & Ship Surveyor-in-charge-DGS, Tech



भारत सरकार / GOVERNMENT OF INDIA
पोत परिवहन मंत्रालय / MINISTRY OF SHIPPING

नौवहन महानिदेशालय, मुंबई
DIRECTORATE GENERAL OF SHIPPING, MUMBAI

F.No. ENG.OPP-38(02)/19

Dated 16th October, 2019

DGS Order No. 05 of 2019

Sub.: Prohibition on use of Single Use Plastics

Introduction:

Whereas the object of the Merchant Shipping Act, 1958, as amended is to foster the development of shipping and ensure the safe & efficient Indian mercantile marine in a manner best suited to serve the national interests;

2. Whereas the Directorate General of Shipping [DGS], Ministry of Shipping, Govt. of India is the designated maritime administration of the country to administer the Merchant Shipping Act, 1958, as amended, as facilitator and regulator of the merchant shipping in India;

3. Whereas, the United Nations Environment Programme (UNEP) is the leading global environmental authority that sets the global environmental agenda, promotes the coherent implementation of the environmental dimension of sustainable development within the United Nations system, and serves as an authoritative advocate for the global environment;

4. Whereas, over the years India has actively collaborated in the work of the UNEP, including for the prevention of marine pollution;

5. Whereas, as per the 2018 UNEP report titled 'Single-use plastics - A Roadmap for Sustainability', single-use plastics are also known as disposable plastics like plastic bags, straws, coffee stirrers, soda and water bottles and food packaging, which are used only once before they are thrown away or recycled;

6. Whereas, the aforesaid report highlighted the ubiquitous nature of plastic for being one of the greatest environmental challenges that chokes marine life transforming some marine areas into a plastic soup;

बीटा बिल्डिंग, 9वीं मंजिल, आई थिंक टेक्नो कैंपस, कांजूर गाँव रोड, कांजूरमार्ग (पूर्व) मुंबई-400042

9th Floor, BETA Building, I-Think Techno Campus, Kanjur Village Road, Kanjurnarg (E), Mumbai-400042

फोन/Tel No.: +91-22-2575 2040/1/2/3 फैक्स/Fax.: +91-22-2575 2029/35 ई-मेल/Email: dashio-das@nic.in वेबसाइट/Website: www.dashionline.gov.in

7. According to International Clean-up Report, 2017, the most common finds during international coastal clean-ups are, in order of magnitude, cigarette butts, plastic beverage bottles, plastic bottle caps, food wrappers, plastic grocery bags, plastic lids, straws and stirrers, glass beverage bottles, other kinds of plastic bags, and foam take-away containers. Single-use plastics took most of the spots in this list of top ten.

8. Whereas, as per the 2018 UNEP report, *Single-use plastics - A Roadmap for Sustainability*: "Plastic pollution is a defining challenge of our times....Single-use throw away plastics are the biggest contributor every year, millions of plastic bags end up in the environment, thus polluting soil, water bodies, rivers oceans."

9. Whereas, according to International Maritime Organization, Marine litter presents a huge problem in our oceans, with some scientists warning that, by 2050, the quantity of plastics in the oceans will outweigh fish.

10. Whereas prohibition of discharging plastic at sea is not alien to maritime regulatory frameworks.

11. Whereas anecdotal accounts suggest the prevalence of wilful dumping of litter (plastic bottles, bags etc.) overboard by seafarers and that the lack of proper education and management has lead the seafarers to inevitably use single-use plastic products and discard them in a non-responsible manner;

12. Whereas, to avoid such practices IMO adopted Resolution MEPC.295(71)/2017: Guidelines for the implementation of MARPOL ANNEX V on 7th July 2017.

13. Whereas during the Independence Day speech on Aug. 15,2019, Hon'ble Prime Minister had urged people and government agencies to "**take the first big step**" on **October 2, 2019** towards freeing India of single-use plastic.

14. Whereas in-line with the Hon'ble Prime Minister's call to the people and the government agencies, the Director General of Shipping decided to examine the issue of prohibiting the usage of single-use plastics on Indian ships and foreign ships while such ships are in Indian waters.

15. Whereas, a stakeholders meeting was convened at Directorate on 29th August 2019 under the chairmanship of Director General of Shipping and Additional Secretary to Govt. of India. The meeting was attended by representatives of Indian National Ship Owner Association, Indian Coastal Shipping Association and Recognized Organizations.

16. Whereas in the said meeting it was decided that with effect from 2nd October 2019 all possible efforts will be made by the Indian shipping to contribute towards achieving the goal of making India and Indian waters free from Single use plastic.

17. Now therefore, in larger public interest a ban is imposed on single use plastic on Indian ships and foreign ships while in Indian waters, as per terms and conditions mentioned under succeeding paragraphs.

18. Applicability of ban:

18.1. All Ships which are deemed to be Indian Ships under Merchant Shipping Act, 1958.

18.2. Foreign ships in any port or place in India.

19. Prohibitions:

19.1. Items prohibited w.e.f. 01.01.2020:

Following Single use plastics are prohibited to be used on board Indian ships and foreign ships when such ships are at a port or place in India with effect from 1st January 2020:

19.1.1. Bags, trays, containers, food packaging film;

19.1.2. Milk bottles, freezer bags, shampoo bottles, ice cream containers;

19.1.3. Bottles for water and other drinks, dispensing containers for cleaning fluids, biscuit trays;

19.1.4. Hot drink cups, insulated food packaging, protective packaging for fragile items;

19.1.5. Microwave dishes, ice cream tubs, potato chip bags, bottle caps;

19.2. Items prohibited with Immediate effect

19.2.1. Cutlery, plates and cups;

19.2.2. Up-to 10 litres bottles for water and other drinks;

19.2.3. Garbage and shopping bags, and

19.2.4. Dispensing containers for cleaning fluids which are less than 10 litres volume.

20. Enforcement:

20.1. All Recognized Organizations are hereby directed to ensure during surveys, inspection and audits of Indian ships that:

20.1.1. Single use plastics are not found used/stored on board any Indian ship. A Memo to the same effect to be inserted in the Survey status of ships.

20.2 Administration Surveyors while conducting Flag State Inspection/Audit/Survey of Indian ships to verify that Single use plastics are neither used and nor available on Indian ships. In case of non-compliance, a deficiency raised to be rectified prior departure under Code 99103 (Other MARPOL Operational). If same deficiency is repeated during next inspection, it may be taken as a clear ground for detention under ISM Code.

20.3. Administration Surveyors while carrying out Port State Inspection of foreign flag vessels to ensure that Single use plastics are not in use and are kept locked in a store during their stay in Indian ports and on their passage through the territorial waters of India. A foreign ships intending to enter an Indian port (as defined in Article 11 of UNCLOS), is required to make a log entry identifying the "Single Use Plastic Items" on board the ship and stating the time, latitude and longitude "when" along with the location of the store where these items are stored prior entering Indian territorial waters. Further no single use plastic items to be discharged to port reception facility at an Indian port; same to be verified during Port State Inspections.

20.4. No detention of foreign ships to be enforced. In case it is found necessary, after uploading all other deficiencies on IOCIS website, a handwritten deficiency in the printed PSC Form 'B' to be rectified prior departure may be issued; however, no such deficiency to be uploaded on IOCIS.

21. The foregoing measures have been put in place to ensure safe, secure, environmentally sound, sustainable shipping and in public interest.
22. This order shall come into force with immediate effect.


(Amitabh Kumar)
Director General of Shipping
& Additional Secretary to the Govt.

APPENDIX - 4 List of the vendors for utilizations backup facilities

A. List of Plastic Waste Recyclers Registered in CPCB EPR Portal as on 30.09.2022				
Sl. No	Name of the industry	Registration Issued Date	Registration Number	Validity
1	M/s. Hajira Enterprises., No.324 2nd Phase Harohalli Industrial Area, Ramanagara District	25.07.2022	PR-24-KAR-07- ADUPA2427N-22	25.07.2023
2	M/s. Wisebin, tc 203, Rusthumji Layout, Whitefield, Bengaluru	25.07.2022		25.07.2023
3	D N M Enterprises Plot No. 189, KIADB Industrial Area, 3RD Phase, Obadenahalli, Doddaballapur	12.08.2022	PR-12-KAR-08- AKNPM2178G-22	12.08.2023
4	D.K.S ENTERPRISES UNIT-1 #273-B, 2nd Phase, KIADB Industrial Area, Harohalli Village, Kanakapura Taluk	12.08.2022	PR-12-KAR-08- AMJPP4555E-22	12.08.2023
5	M/s.Vaibhav Mokshith Enterprises No.271, Sridhargudda Road, Kodipalya Village, Kengeri Hobli, Bengaluru South, Bengaluru - 560060	12.08.2022	PR-10-KAR-08- AQXPM1543R-22	12.08.2023
6	Sri Lakshmi Polytech, NO.121/44,Opp Maney Estate,2nd Cross,Kumbalgud Industrial Area,	12.08.2022	PR-10-KAR-08- BDUPS5521C-22	12.08.2023
7	Green Recycloplast Solutions Private Limited, Khata 1660,Hirehalli Gram Panchayat Tumkur,	12.08.2022	PR-10-KAR-08- ABFPN3669J-22	12.08.2023
8	Garuda Industries , Sy No 117 Ramohally Chikkallure Road Karnataka	12.08.2022	PR-10-KAR-08- CAHPS9924C-22	12.08.2023
9	M S Metals & Steels Private limited, Sy. No. 27/19, Billakempanahalli Village,Bidadi hobli, Ramanagaram Taluk	12.08.2022	PR-12-KAR-08- ADGPR3898A-22	12.08.2023
10	Moogambikai Metal Refineries Plot No. 124 A & 124 B, Industrial Area, Baikampady, Mangaluru	12.08.2022	PR-10-KAR-08- AJBPH1549R-22	12.08.2023

A. List of Plastic Waste Recyclers Registered in CPCB EPR Portal as on 30.09.2022				
Sl. No	Name of the industry	Registration Issued Date	Registration Number	Validity
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2	M/s. Wisebin, tc 203, Rusthumji Layout, Whitefield, Bengaluru	25.07.2022		25.07.2023
3	D N M Enterprises Plot No. 189, KIADB Industrial Area, 3RD Phase, Obadenahalli, Doddaballapur	12.08.2022	PR-12-KAR-08- AKNPM2178G-22	12.08.2023
4	D.K.S ENTERPRISES UNIT-1 #273-B, 2nd Phase, KIADB Industrial Area, Harohalli Village, Kanakapura Taluk	12.08.2022	PR-12-KAR-08- AMJPP4555E-22	12.08.2023
5	M/s.Vaibhav Mokshith Enterprises No.271, Sridhargudda Road, Kodipalya Village, Kengeri Hobli, Bengaluru South, Bengaluru - 560060	12.08.2022	PR-10-KAR-08- AQXPM1543R-22	12.08.2023
6	Sri Lakshmi Polytech, NO.121/44,Opp Maney Estate,2nd Cross,Kumbalgud Industrial Area,	12.08.2022	PR-10-KAR-08- BDUPS5521C-22	12.08.2023
7	Green Recycloplast Solutions Private Limited, Khata 1660,Hirehalli Gram Panchayat Tumkur,	12.08.2022	PR-10-KAR-08- ABFPN3669J-22	12.08.2023
8	Garuda Industries , Sy No 117 Ramohally Chikkallure Road Karnataka	12.08.2022	PR-10-KAR-08- CAHPS9924C-22	12.08.2023
9	M S Metals & Steels Private limited, Sy. No. 27/19, Billakempanahalli Village,Bidadi hobli, Ramanagaram Taluk	12.08.2022	PR-12-KAR-08- ADGPR3898A-22	12.08.2023
10	Moogambikai Metal Refineries Plot No. 124 A & 124 B, Industrial Area, Baikampady, Mangaluru	12.08.2022	PR-10-KAR-08- AJBPH1549R-22	12.08.2023

11	Shree Thirumala #46 SY NO 61/94 KIADB Sompura Industrial Area Dabaspete	12.08.2022	PR-10-KAR-08- AHVPA7060Q-22	12.08.2023
12	Sri Sainath Plastic Industry, Sy. No. 4, Near BDA Complex, Koorandahalli Village, Kasaba Hobli, Malur, Kolar Karnataka 563130	12.08.2022		12.08.2023
13	SRI Lakshmi Poly Pack, NO.121/45,Opp Maney Estate,2nd Cross,Kumbalgud Industrial Area, Karnataka	12.08.2022	PR-10-KAR-08- BNEPR0761F-22	12.08.2023
14	D.K.S Enterprises Unit-2, #255- A, 2nd Phase, KIADB Industrial Area, Harohalli Village, Kanakapura Tq	20.08.2022	PR-12-KAR-08- AWMPP3822F-22	20.08.2023
15	Sri Manjunathaswamy Traders Plot No. 156 & 157, KIADB Jakkasandra Industrial Area, Malur Taluk, Kolar District	23.08.2022	PR-23-KAR-08- AXVPA3281H-22	23.08.2023
16	K H Enterprises Plot No. 310-F2, Sy no 529, KIADB 2nd Phase, Harohalli Industrial Area, Harohalli Tq, Ramanagar, Karnataka	23.08.2022	PR-12-KAR-08- ALAPV4505C-22	23.08.2023
17	Yumna Traders, Sy. No 100, Malur Road, Kattigenahalli Village, Jadeganahalli Hobli, Hoskote Taluk, Bengaluru	23.08.2022	PR-23-KAR-08- AZPPK1295F-22	23.08.2023
18	MKH Industries Unit 2 , Plot no 274/A Part KIADB Harohalli industrial Area, Ramanagara, 18 - 562112	23.08.2022	PR-12-KAR-08- BOUPA9527F-22	23.08.2023
19	Swachha Eco Solutions, # 1022, 6th Block, HMT Layout, Vidyaranyaपुरa, Bengaluru - 560097	01.09.2022	PR-23-KAR-08- AMIPD0574G-22	01.09.2023
20	Indian Environment Plant, Sy. No. 40/8 Kannamangala Gate, Madhure Hobli, Doddaballapur, Bengaluru rural-561203	01.09.2022	PR-23-KAR-08- AKFPP9347L-22	01.09.2023

31	Sri ram enterprises, No 141/41, 42,43 opp maaney industrial estate kumbalgodu mysore road cross.	17.09.2022	PR-17-KAR-09-AVHPR0740E-22	17.09.2023
32	R V Polymers, 44/1, Hanumanthappa Industrial Layout, Nayandanahalli, Mysuru Road, Bengaluru	19.09.2022	PR-19-KAR-09-ADSPV2165J-22	19.09.2023
33	NP ewaste Pivate Limited.,Unit II Plot No. 96/1, Koorgalli Industrial Area, Belavadi Post, Mysuru, Karnataka-570018.	21.09.2022	PR-21-KAR-09-AAHCN8278M-22	21.09.2023
34	Ayan Plastic Industries, Plot no 700, Kanbargi Industrial area, Auto Nagar, Belgavi	21.09.2022	PR-21-KAR-09-APCPC4918E-22	21.09.2023
35	A.G.Traders, Plot 240, KIADB Industrial area, Autonagar Belgaum.	29.09.2022	PR-29-KAR-09-ANMPG6144Q-22	29.09.2023
36	S.G.Polymers, 9, Behind Reddy Complex, Mahadevapura Post, Whitefield Road, Bengaluru - 560048	29.09.2022	PR-29-KAR-09-ASSPS8848N-22	29.09.2023
37	A TO Z PLASTICS, No.14 Behind Reddy complex Mahadevapura Post Whitefield Road Bengaluru-560048	29.09.2022	PR-29-KAR-09-AEDPG8262P-22	29.09.2023
38	Anwar Enterprises, Plot No. 9 A Block, Opp.MEI, Raghavendra Layout, Tumkuru Road, Yeshwanthpur, Bengaluru-560022	29.09.2022	PR-29-KAR-09-ACNPK9135H-22	29.09.2023
39	Parag Plastic Industries, 13/9-4 H.S.M.Industrial Estate, Okalipuram Bengaluru	29.09.2022	PR-29-KAR-09-AAYPK8639B-22	29.09.2023
40	Sri Kavitha Polymers, NO.121/58,Opp Maney Estate,2nd Cross,Kumbalgud Industrial Area,	29.09.2022	PR-29-KAR-09-BURPK4122K-22	29.09.2023
41	Sri Lakshmi Polymers, Sy.No. 55/9, Katha No. 123 & 64, Machohalli Village, Dasanapura Hobli, Bangalore North taluk, Bengaluru-560091	29.09.2022	PR-29-KAR-09-AHMPR7602Q-22	29.09.2023

42	Sree Lakshmi Traders, Survey No.89/2A1 , Shed No.3, Harohalli I.A Phase I,Medamaranahalli Village,Kanakapura Taluk, Ramanagara Dicstrict	30.09.2022	PR-30-KAR-09-ACSPN6908J-22	30.09.2023
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B. List of Waste to Energy Recyclers Registered in CPCB EPR Portal as on 30.09.2022

Sl. No	Name of the industry	Registration Issued Date	Registration Number	Validity
1	Sunrays Composts , No 53, 17th KM, Machohalli Industrial Area, Magadi main road, Bangalore, Bangalore North, Karnataka -560091	16.09.2022	PR-16-KAR-09-AFWPA9384A-22	16.09.2023

NOTE:

1. The above authorized recyclers shall submit monthly returns on the details of plastic waste procured, waste processed and recycled products sold(with GST details) and energy meter reading in both hard and soft copies(hwm.kspcb@gmail.com & mrmurthykspcb@gmail.com) to KSPCB without fail.
2. The PIBOs shall only deal with above authorized plastic waste recyclers registered through CPCB online portal regrading plastic waste.


SENIOR ENVIRONMENTAL OFFICER
 Waste Management Cell
 Karnataka State Pollution Control Board
 Bengaluru - 560 001. 

**LIST OF PRO'S UNDER E-WASTE (MANAGEMENT) RULES, 2016 REGISTERED
BY THE CPCB (AS ON 18.02.2022)**

Sl.No	Registered PRO	Issued PRO Certificate
1	M/s. Attero Recycling Private Limited, H-59, Sector 63, Noida, UP-201301	11.10.2018
2	M/s. Auctus E Recycling Solutions Pvt. Ltd. A-58, Udyog Kendra-1, Ecotech-III, Village Habibpur, Noida- Dadri Road, Surajpur, Greater Noida (UP) 201306	12.11.2018
3	M/s Earth Sense Recycle Pvt. Ltd., Plot No:37, TSIIC Industrial Park, Mankhal, Maheshwaram Mandal, Rangareddy Dist., Telangana-501359	11.10.2018
4	M/s EPR Compliance Pvt. Ltd., 422, The Summit Business Bay, Andheri Kurla Road, Near WEH Metro Station, Andheri (East), Mumbai-93	12.11.2018
5	M/s Hulladek Recycling Pvt. Ltd., 4 D.L. Khan Road, Block B, Flat-401, 4th Floor, Kolkata-700025	12.11.2018
6	M/s Karo Sambhav Private Limited, 408-409, Fourth Floor, Suncity Business Tower, Sector-54, Golf Course Road, Gurugram-122002, Haryana	29.08.2018
7	M/s Mahalaxmi Metalloys India Private Limited, Plot No. 87, 91/92, Sikhera Road Industrial Area, Modinagar, Dist. Ghaziabad (U.P.)201204	23.10.2018
8	M/s Pegasus Support System Pvt. Ltd, F- 6, 1st Floor, 4648/1, 21, Ansari Road, Daryaganj, New Delhi 110002	14.09.2018
9	M/s Pro Connect, G-7, New Market, Near Khasa Kothi Circle, Jaipur-302016 Rajasthan	12.11.2018
10	M/s R2 PRO Pvt. Ltd., B03-Jain Height-Altura, Kalkondrahalli, Sarjapur Road, Bangalore-560102	23.10.2018
11	M/s RLG Reverse Logistics India Private Limited, Assotech Business Cresterra, Upper Ground Floor, Tower 2, Plot No. 22. G01, Sector-135, Noida, Gautam Budha Nagar (U. P).	29.08.2018

12	M/s Saahas Waste Management Private Limited, #21, Ground Floor, MCHS Colony, 5th C Cross, 16th Main, BTM Layout 2nd Stage, Bangalore- 560076	06.09.2018
13	M/s Terrapro Recycling Solutions Private Limited, RZ-83 B, Dabri Extension, Dabri Palam Road, Opp. Dada Dev Govt. Hospital, New Delhi-110045	29.08.2018
14	M/s TES-AMM (India) Private Limited, A18, SIPCOT Industrial Growth Centre, Panrutti 'A' Village, Oragadam, Sriperumbudur Taluk, Kanchipuram District, Tamilnadu-631604	11.10.2018
15	M/s Vardhman Sales Agency, 1A/255, Neelam Bata Road NIT, Faridabad-121001 Haryana	30.10.2018
16	M/s WEEE CARE, B-42/21, Ground Floor, Jhilmil Industrial Area, Delhi- 110095	16.01.2019
17	M/s E-Waste Recyclers India, EWRI House, A-46, Okhla Phase-1, New Delhi- 110020	16.01.2019
18	M/s Reteck Envirotech Pvt. Ltd., 1005, Cyber One Plot No. 4 &6, Sector 30A, Vashi Navi Mumbai- 400703	16.01.2019
19	M/s Cerebra Integrated Technologies Limited, S5, Off 3rd Cross, 1st Stage, Peenya Industrial Estate, Bangalore 560658	28.01.2019
20	M/s Rapidue Technologies Pvt. Ltd., #205, Krishna Plaza, Khairtabad, Hyderabad, Telangana State Pin Code-500004	26.02.2019
21	M/s Nirvana Recycling Pvt. Ltd., Plot No.-D-6, Udyog Vihar Phase-IV, Sector-37, Gurugram, Haryana	26.02.2019
22	M/s Rightway Solutions, C-102 & 103, Sahani Tower, Sec-5, Rajender Nagar, Ghaziabad-201005	12.03.2019
23	M/s Horizon Recycling Pvt. Ltd., Khasra No. 35, Dehradun Road, Kumar Hera, Saharanpur, Uttar Pradesh- 247001	01.05.2019

24	M/s Fabshop Technologies Pvt. Ltd., 1462, 2nd Floor, Above Indian Overseas Bank, East End Main Road, Jayanagar 9th Block, Bangalore - 560011	01.05.2019
25	M/s. Vincular Testing Labs India Private Limited, 3rd Floor, Surya Building, 27th Main 1st Cross HSR Layout, Bangalore, Karnataka, India-560102	24.05.2019
26	M/s R Planet Integrated Solution Pvt. Ltd, A-811, Safal Pegasus, Prahlad Nagar, Ahmedabad, Gujarat-380015	29.05.2019
27	M/s Green Planet, 17-D, 105, Konark Enclave, Vasundhra, Ghaziabad (U.P.)- 201012	08.07.2019
28	M/s Exigo Recycling Private Limited, Opposite Kirpal Ashram, Barsat Road, Panipat, Haryana- 132103	07.08.2019
29	M/s Ecyclear (The Green Medium), 1103, Sovereign C. H. S, Hiranandani Gardens, Powai, Mumbai- 400076	07.08.2019
30	M/s Eyantram Waste Management Pvt. Ltd., 677, 1st Floor, Suite 217, 13th Cross, HSR Layout, Sector-1, Bangalore, Karnataka- 560102	16.08.2019
31	M/s Tirupati Metal, Near Popular Dharamkanta, Delhi Meerut Road, Modinagar, Distt. Ghaziabad, Uttar Pradesh- 201204	16.08.2019
32	M/s Sarthak Samudayak Vikas Evam Jan Kalyan Sanstha, 597, New Categorized Market, Near Bagai Golden Transport, Berasia Road, Bhopal- 462018 Madhya Pradesh	21.11.2019
33	M/s. Hindustan E-Waste Management (P) Ltd., Basement, 8, Central Road, Bhogal, Jangpura, New Delhi- 110014	21.11.2019
34	M/s Global Waste Solution, S. F, Unit No. 2017, Aggarwal City Mall, Plot No. -4, C. C. Road No. 44, Pitam Pura Delhi, North West Delhi- 110034	15.01.2020
35	M/s. K. J. Recyclers, C-38, Sanjay Gandhi Nagar , Industrial Area, Jalandhar, Punjab – 144004	16.03.2020

36	M/s. Vans Chemistry Pvt. Ltd., No. 94/5, Shed No. 13R14, SSR Industrial Layout, Kannalli, Kodigehalli Post, Yeswanthpura Hobli, Bangalore- 560112 Karnataka	16.06.2020
37	M/s. Bluemonk Recycling Private Limited, Unit / Plot No. 1X-7B, ILD Trade Centre, Sohna Road, Sector- 47, Gurgaon, Haryana – 122001	16.06.2020
38	M/s. Sogo Synergy Pvt. Ltd., D-1/1, Hayes Road, 11/9, Hayes Court, 3rd Floor, Richmond Town, Bengaluru- 560025	16.06.2020
39	M/s. Croissance PRO and E-Waste Management Private Limited, Ground Floor House No. 412/13, Laxminia Kunj Near NDPL Office Burari North Delhi - 110084	04.08.2020
40	M/s. Nala Enterprise LLP, A-602, 6th Floor, IT Square, Beside Bikanerwala, K.P.-III, Greater Noida- 201306	10.08.2020
41	M/s. Resource Waste Managers LLP, 6th Floor, A601, Krishana Apra Plaza, Sector-18, Noida, Gautam Buddha Nagar, Uttar Pradesh- 201301	10.08.2020
42	M/s. E-Frontline Recycling Pvt. Ltd., C1/B-905/9, Panoli, GIDC, Ankleshwar, Gujarat – 394116	05.10.2020
43	M/s Star EEE PRO LLP, Plot 17A, Upper G/F, Bharat Vihar, Kakrola, New Delhi- 110078	19.10.2020
44	M/s Aggarwal E-Waste Solutions Private Limited, 2nd Floor, House No. 11, Blk A, Derawal Nagar, Delhi, North Delhi- 110009	03.11.2020
45	M/s. Kar Parivartan LLP, Plot No. 18, A-402, Fakhruddin Memorial CGHS Ltd., Dwarka, Sector-10, South West Delhi, Delhi-110075	25.02.2021
46	M/s. Vidhi Enterprises, House No. 5, BLK-HD, Pitam Pura, North West Delhi- 110034	25.02.2021
47	M/s. Green Advanced Resource Conservation Services, 332D Gaur Cascade Rajnagar Extension, Ghaziabad, Uttar Pradesh – 201017	25.02.2021

48	M/s. Vinayak E-Waste Management, 15, Rishabh Vihar, Shahdara, North East Delhi, Delhi- 110092	25.02.2021
49	M/s. E-Coli Waste Management Pvt. Ltd., 203, Trade Square, Opp. Torrent Power House, Sabarmati, Ahmedabad, Gujarat – 380005	18.03.2021
50	M/s. Eprocycle Waste Management, H23A, Basement, Kalkaji, New Delhi- 110019	18.03.2021
51	M/s. Blueberry Associates Pvt. Ltd., A-118, Ground Floor, New Friends Colony, New Delhi- 110065	18.03.2021
52	M/s. TVS Electronics Ltd., Arihant E-Park, 9th Floor, no. 117/1, L. B. Road, Adyar, Chennai - 600020	15.06.2021
53	M/s. S. K. Refrigeration, Near New Grain Market, Jind Road, Julana, Haryana- 126101	15.06.2021
54	M/s. WEEE-PRO Resource Recovery Solutions Private Limited, Flat No. 702, Tower-6, Unitech Horizon, Sector PI-2, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh - 201310	15.06.2021
55	M/s. Eco Fly E Waste Recycling Private Limited, Khasra No. 26, Village Pipli Khera, Bhamanpura Road Industrial Area, Phaphunda, Meerut, Uttar Pradesh- 250002	15.06.2021
56	M/s. Endeavor Recyclers India Pvt. Ltd., 28 Old No. -23, St No. -5, Ambedkar Basti, Maujpur, Delhi- 110053	15.06.2021
57	M/s. Earth Zone Recycling, Plot No. 11, Pargana Hazipur, Hapur Road, Meerut, Uttar Pradesh- 250004	15.06.2021
58	M/s. Ecosense Enterprises LLP, Flat No. 487, Sector-19, Pocket-2, Dwarka, New Delhi, South West Delhi, Delhi- 110075	31.08.2021
59	M/s. Vasoo Infracon Pvt. Ltd., 30/26, 1st Floor, Shakti Nagar, New Delhi- 110007	31.08.2021

60	M/s. Rekart Innovations Private Limited, A132, Sector 27, Golf Course Road, Gurugram, Haryana- 122009	31.08.2021
61	M/s. Ecoverva E Waste Recycling Private Limited, First Floor, STS 132, DLF Star Tower, Silokhera, Sector-30, Gurgaon, Haryana- 122001	31.08.2021
62	M/s. Adlib Ewaste Recycling, #433, HSIIDC, Phase-I, Barhi Ganaur, Sonipat, Haryana- 131101	09.09.2021
63	M/s. Ye Prayas Pvt. Ltd., Near Prajapati Dharamshala, Kadarpur Road, Badshapur, Gurugram, Haryana- 122101	23.09.2021
64	M/s. Ozone Waste LLP, 440 , Patel Marg, Ghaziabad, Ghaziabad, Uttar Pradesh- 201001	04.10.2021
65	M/s. Swach Enviro E Waste India Pvt. Ltd., Plot No.- 13, 3rd Floor, Pitampura, New Delhi- 110034	26.10.2021
66	M/s. Green Enviro Ewaste India Private Limited, HN 13, Block-24, Shakti Nagar, New Delhi- 110007	27.10.2021
67	M/s. Relectro Green Private Limited, Shop No. 5, Plot No. 002, Devla, Gautam Buddha Nagar, Uttar Pradesh- 201301	27.10.2021
68	M/s. Synergy E Waste Solution, Plot No. 29, Sector 142, Noida, GB Nagar, Uttar Pradesh- 201301	27.10.2021
69	M/s. Sky Green Waste Recycling Management, Khasra No. 51, 53,54,, 66, 20-21, Industrial Area, Piplikhera Meerut, Uttar Pradesh- 250002	28.01.2022
70	M/s. Sai Sri Waste Management Pvt. Ltd., 54 Nehru Nagar Palipalyam, Namakkal, Tamil Nadu- 638006	28.01.2022
71	M/s. Rinavaa Technologies Pvt. Ltd., Plot No. 137AB, 3rd and 4th Floor, Kandivali Co Op Industrial Estate Limited, Charkop, Kandivali West, Mumbai City, Maharashtra – 400067	28.01.2022

72	M/s. Equal Apple Consulting, J 42, Ground Floor, Saket, North Delhi – 110017	07.02.2022
73	M/s. Greenrth Waste Recycler Private Limited, Tower-B, 1036 Ithum Tower, Block A, Sector 62, Noida, Gautam Buddha Nagar, Uttar Pradesh- 201301	07.02.2022
74	M/s. Infotel Access Enterprises Private Limited, Plot No. 45-46, Udyog Vihar, Phase-1, Gurgaon, Haryana - 122016	07.02.2022

Note: CPCB Authorized PRO can collect the E-waste anywhere in India.

Sd/-

**SENIOR ENVIRONMENTAL OFFICER
WASTE MANAGEMENT CELL**

LIST OF ONE TIME REGISTRATION ISSUED TO USED LEAD ACID BATTERY RECYCLING UNITS UNDER THE BATTERY WASTE MANAGEMENT RULES, 2022 (AS ON 21.01.2023)			
Sl.No	Name of the industry	Registration Number	Consented capacity (MT/A)
1	M/s. Eswari Global Metal Industries Pvt Ltd (Unit-1), Plot No.101A & B, Industrial Area, Baikampady, Mangaluru-575011	KSPCB/BAT-WM/2022/001 dt:05.01.2023	60,000
2	M/s. Eswari Global Metal Industries Pvt Ltd (Unit-2) ., Plot No.96 & 97 Industrial Area, Baikampady, Mangaluru-575011	KSPCB/BAT-WM/2022/002 dt:05.01.2023	12,000
3	M/s. Eswari Global Metal Industries Pvt Ltd (Unit-3), Plot No.415 & 416, Industrial Area, Baikampady, Mangaluru-575011	KSPCB/BAT-WM/2022/003 dt:05.01.2023	60,000

SENIOR ENVIRONMENTAL OFFICER WASTE MANAGEMENT

LIST OF USED OIL RE-PROCESSOR

Sl. No.	Name & Address of unit	Quantity
1	M/s. Sri Balaji Refineries, B-5&6, Veerasandra Industrial Area, Anekal Taluk, Bangalore.	5.1- Used Oil-1100 KL/A
2	M/s. Alfa Refineries, Plot No. 310-H, Harohalli, 2nd Phase Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District	5.1-Used oil-5004 KL/A
3	Bharani Refineries, Plot-No. 324/P, 2nd Stage, Harohalli Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District - 562 112.	5.1-3600KL/A
4	M/s. S.B. Refineries, Plot No. 81, 4th Phase, Bommasandra Industrial Area, Anekal Taluk, Bengaluru-560099	5.1-300 KL/M
5	M/s. H.N. Petrochem Industry, Sy. No. 29/2, Tajultanpur Industrial Area, Kalburagi	3600 KL/A
6	M/s. Balaji Industries, Plot No. 20/A, KIADB Indl Area, Machohalli, Shivamogga	1200 KL/A
7	M/s. Special Oils, No 202/2, Kuruvinakoppa, Post B, Gudhihal - 581 204, Kalaghatgi Taluk, Dharwad.	1440 T/A
8	M/s. Shanthadurga Petrochemicals, No 701 Shedegalli Manturga Post, Khanapur Belgaum	500 KL/A
9	M/s. Ammar Industries, Plot No. 338, Belur Industrial Area, Dharwad.	200 KL/M
10	M/s. Nakoda Petro Chemicals, Plot no.8, KIADB Ind. area, Sathyamangala, Tumkur.	1800 KL/A
11	M/s. S.M Enterprises, Shed No. 4911, M.C. Road, Mandya	4200 KL/A
12	M/s. Arun Industries, B-64, III Stage, PIE, Bangalore-58	360 KL/A
13	M/s. Evolve Oil Refining Industry, Hebbal Industrial Area, Mysore	150 T/M

Sd/-

Senior Environmental Officer

LIST OF WASTE OIL & USED OIL RE-PROCESSOR

Sl. No.	Name & Address of unit	Quantity (KLA) -KILO LTS /ANNUM	
		Used oil	Waste oil
1	M/s. Bharath Lubricants, B-36, KSSIDC Industrial Estate, Veerasandra, Hosur Road, Bangalore - 560 100.	6000	3000
2	M/s. Century Refineries (Used Oil), Plot no. 17-I & J, KIADB Industrial area, Hoskote Taluk, Bangalore - 562 114.	8496	
3	M/s. MVR Chemicals & Oils, Sy. No. 400, Sarjapura Village, Sarjapura-Attibele Road, Anekal Taluk, Bangalore District.		25000
4	M/s. K.M. Oils Pvt Ltd., Plot No. 75, 76 & 77 A (Part), 2nd Phase, Kapnoor Industrial Area, Kalburagi.	3600	5000
5	M/s. Merlyn Hydrocarbons Pvt. Ltd, No 366 Hassan Growth Centre HN Pura Rd,Hassan.		7200
6	Mandya Refinearies, Plot-No. 59, Part-II-A Phase, KIADB Industrial Area, Tubinakere, Mandya Taluk & District.	7200	3600
7	M/s. Mahalakshmi Industries,Plot No. 218, KIADB Ind. Area, Vasanthnarasapura, Tumkur-572 138	1800	1800
8	M/s. F.A. Refineries,Plot No.92-B KIADB Industrial Area, Ist Phase, Vasanthanarasapura, Tumkur.	5004	5004
9	M/s. Sampath Refinery Pvt Ltd., Plot No. 64A-65D, KIADB Industrial Area, Tubinakere, Mandya	3600	3600
10	M/s. Jonas Petro Products Pvt. Ltd, Plot No. 277, Baikampady Industrial Area, Mangalore - 575 011.		12000
11	M/s. Sri Balaji Refineries, B-5&6, Veerasandra Industrial Area, Anekal Taluk, Bangalore.	1100	
12	M/s. Alfa Refineries, Plot No. 310-H, Harohalli, 2nd Phase Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District	5004	

13	Bharani Refineries, Plot-No. 324/P, 2nd Stage, Harohalli Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District - 562 112.	3600	
14	M/s. S.B. Refineries, Plot No. 81, 4th Phase, Bommasandra Industrial Area, Anekal Taluk, Bengaluru-560099	3600	
15	M/s. H.N. Petrochem Industry, Sy. No. 29/2, Tajultanpur Industrial Area, Kalburagi	3600	
16	M/s. Balaji Industries, Plot No. 20/A, KIADB Indl Area, Machohalli, Shivamogga	1200	
17	M/s. Special Oils, No 202/2, Kuruvinkoppa, Post B, Gudhihal - 581 204, Kalaghatgi Taluk, Dharwad.	1440	
18	M/s. Shanthadurga Petrochemicals, No 701 Shedegalli Manturga Post, Khanapur Belgaum	500	
19	M/s. Ammar Industries, Plot No. 338, Belur Industrial Area., Dharwad.	2400	
20	M/s. Nakoda Petro Chemicals, Plot no.8, KIADB Indl area, Sathyamangala, Tumkur.	1800	
21	M/s. S.M Enterprises, Shed No. 4911, M.C. Road, Mandya	4200	
22	M/s. Merlyn Hydrocarbons Pvt. Ltd, No 367, Hassan Growth Centre HN Pura Rd, Hassan.	4500	
23	M/s. Ganapathy Refineries Pvt. Ltd., Shed No. 9 & 10, Dr B R Ambedkar Indl Estate, 2nd Cross, KSSIDC Jigani Indl Area, 1st Phase, Jigani Anekal Taluk, Bengaluru-560105	2244	
24	M/s. VBS Petrochemicals, Plot No. 29 P2, Hirehalli Industrial Area, Hirehalli, Tumkur.	8400 MT/A	19980 KL/A
25	M/s. M-Tech Petroleum Pvt Ltd Plot No.192-F, Vasanthnarasapura Industrial Area, I Phase, Vasanthanarasapura, Tumkuru-572138	6300 KL/A	
26	M/s. Sri Lakshmi Refineries Industries, No. IP-34, Kudumalakunte, KIADB Industrial Area, Gauribidanur Taluk, Chikkaballapura Dist.	5000 KL/A	3500 KL/A

Sd/-

Senior Environmental Officer



