

**DRAFT**

**MINISTRY OF PORTS, SHIPPING AND WATERWAYS**

**NOTIFICATION**

New Delhi, the \_\_\_\_\_ 2026

*GSR \_\_\_\_\_(E) "In exercise of the powers conferred by sections 133(2), 133(4), 133(5), 134(1), 134(2), 135(2), 136, 142(1), 143(1) and 143(2)(n) under Part VII of the Merchant Shipping Act, 2025 (24 of 2025), and in supersession of the Merchant Shipping (Prevention of Pollution by Sewage from Ships) Rules, 2010, except as respects things done or omitted to be done before such supersession, the Central Government hereby makes the following rules, namely: –"*

**1. Short title and commencement.** – (1) These rules may be called the **Merchant Shipping (Prevention of Pollution by Sewage from Ships) Rules, 2026.**

(2) They shall come into force on the date of their publication in the official gazette.

**2. Definitions.** – (1) In these rules, unless the context otherwise requires, -

- (a) "Act" means the Merchant Shipping Act, 2025 (24 of 2025);
- (b) "Annex" means Annex IV to the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 (MARPOL), as amended from time to time;
- (c) "administration" means the central government;
- (d) "anniversary date" means the day and the month of each year which corresponds to the date of expiry of the certificate;
- (e) "certificate" means certificate an Indian sewage pollution prevention certificate, issued under rule 5;
- (f) "Discharge of sewage" means discharge of sewage from ships other than passenger ships in all areas and discharge of sewage from passenger ships outside special areas.
- (g) "existing passenger ship" is a passenger ship which is not a new passenger ship.
- (h) "existing vessel" means a vessel which is not a new vessel;
- (i) "Grey water (GW)" means drainage from dishwater, galley sink,

shower, laundry, bath and washbasin drains and does not include drainage from toilets, urinals, hospitals, and animal spaces, as defined in Annex;

- (j) "holding tank" means a tank used for the collection and storage of sewage;
- (k) "international voyage" means a voyage from a country to which the convention applies to a port outside such country, or conversely;
- (l) "new passenger ship", for the application of this rule, a new passenger ship is a passenger ship:
  - (i) for which the building contract is placed or, in the absence of a building contract, the keel of which is laid, or which is in a similar stage of construction, on or after 1 January 2016; or
  - (ii) the delivery of which is two years or more after 1 January 2016.
- (m) "new ship" means a vessel-
  - (i) For which the building contract is placed, or in the absence of a building contract, the keel of which is laid, or which is at a similar stage of construction, on or after the 27th day of September, 2003; or
  - (ii) The delivery of which is three years or more after the 27th day of September, 2003;
- (n) "nearest land", has the meaning assigned in the Annex, including the special baseline off the north-eastern coast of Australia;
- (o) "Polar Code" means the International Code for Ships Operating in Polar Waters, adopted by IMO Resolutions MSC.385(94)/MEPC.264(68), as amended;
- (p) "Person" includes the member of the crew and the passenger;
- (q) "Special Area" means a sea area where, for recognized technical reasons in relation to its oceanographical and ecological condition and to the particular character of its traffic, the adoption of special mandatory methods for the prevention of pollution by sewage is required in accordance with regulation 11.3 of Annex IV to the Convention.
- (r) "Sensitive Area for Pollution Control (SAPC)" means an area declared under Rule 11;

- (s) "Treated sewage (TS)" (effluent) means treated wastewater that is produced by a sewage treatment plant in accordance with Annex;
- (t) "unmanned non-self-propelled barge" or "UNSP barge" means a barge without crew, not fitted with means of self-propulsion, and as defined in Annex;
- (u) "Untreated sewage" means sewage that has not been treated by a type approved sewage treatment plant, or that has not been comminuted and disinfected.
- (v) "sewage" shall have the meaning assigned to it in Annex;
- (2) Words and expressions used in these rules and not defined but defined in the Act shall have the meanings respectively assigned to them in the Act.

**3. Application:-** (1) Unless expressly provided otherwise, the provisions of this rule shall apply to the following vessels:-

- (a) New vessels of four hundred gross tonnage and above;
  - (b) New vessels of less than four hundred gross tonnage which are certified to carry more than fifteen persons;
  - (c) Existing vessels of four hundred gross tonnage and above, five years after the date of 27th day of September, 2003;
  - (d) Existing vessels of less than four hundred gross tonnage which are certified to carry more than fifteen persons, five years after the date of 27th day of September, 2003.
- (2) Without prejudice to sub-rule (1), vessels of gross tonnage less than four hundred and certified to carry fifteen persons or fewer, when operating within India's maritime zones, shall comply with the additional requirements specified in paragraph 5 of Schedule II.

**4. Exceptions and Exemptions** - The Director General shall ensure that existing vessels, specified under clauses (c) and (d) of sub-rule (1), the keels of which are laid or which are at a similar stage of construction before 2nd October, 1983, shall be so equipped as to discharge sewage in accordance with the requirements of rule 7:

Provided that provisions of rule 7 shall not apply to-

- (i) The discharge of sewage from a vessel is necessary for the purpose of securing the safety of the vessel and those on board, or for saving life at sea; or
  - (ii) The discharge of sewage results from damage to the vessel or its equipment provided all reasonable precautions have been taken before and after the occurrence of such damage for the purpose of preventing or minimizing the discharge.
- (2) The Director General may exempt an unmanned non self propelled barge from the requirements of paragraphs 1(1) and 2(1) of the First Schedule to this Rules, by an International Sewage Pollution Prevention Exemption Certificate for Unmanned Non Seld Propelled Barges, for a period not exceeding 5 years, provided that the barges has undergone a survey to confirm that the conditions referred to in Rule 2 (1) (t) of the rules are met

**5. Survey, Certification, endorsement and validity of the certificate: -**

The surveys of vessels, the issue and endorsement of certificates, and the duration and validity of such certificates shall be in accordance with the provisions of Schedule I.

**6. Sewage systems – (1) every vessel specified in rule 3 which is under obligation to comply with the provisions of these rules shall be equipped with one of the following sewage systems, namely:-**

- (a) a sewage treatment plant of a type approved by the Central Government, having regard to the standards and test methods developed by the IMO under Resolutions MEPC.159(55) and MEPC.227(64), as amended by MEPC.284(70), or any subsequent resolutions adopted by the Organization.; or
- (b) A sewage comminuting and disinfecting system, approved by the central government: Provided that such system shall be fitted with such facilities for temporary storage of sewage when the vessel is less than three nautical miles from the nearest land; or

- (c) A holding tank of such capacity as may be specified by the central government, for the retention of all sewage, having regard to the operation of the vessel, the number of persons on board and other relevant factors: Provided that such holding tank shall be constructed in such manner as may be specified by the central government and shall have means to indicate visually the amount of its contents.
- (2) The arrangements for vessels of gross tonnage less than four hundred and certified to carry fifteen persons or fewer shall be in accordance with paragraph 5 of Schedule II.
- (3) By derogation from sub rule (1), every passenger ship which is required to comply with the provisions of this Rules, and for which Rule 8 (3) applies while in a special area, shall be equipped with one of the following sewage systems:
  - (a) a sewage treatment plant which shall be of a type approved by the Director General, taking into account the standards and test methods developed by the Organization, or
  - (b) a holding tank of the capacity to the satisfaction of the Director General for the retention of all sewage, having regard to the operation of the ship, the number of persons on board and other relevant factors. The holding tank shall be constructed to the satisfaction of the Director General and shall have a means to indicate visually the amount of its contents."
- 7. Standard discharge connections.** – (1) to enable pipes of reception facilities to be connected with the ship's discharge pipelines, both lines shall be fitted with a standard discharge connection, in accordance with the following table, namely :-

***Table 1***

<b>Standard dimensions of flanges for discharge connections</b>
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Description	Dimension
Outside diameter	210mm
Inner diameter	According to pipe outside diameter
Bolt circle diameter	170mm
Slots in flange	4 holes, 18 mm in diameter, equidistantly placed on a bolt circle of the above diameter, slotted to the flange periphery with the slot width of 18 mm
Flange thickness	16 mm
Bolts and nuts; quantity and diameter	4, each of 16 mm in diameter and of suitable length
<p>The flange is designed to accept pipes up to a maximum internal diameter of 100mm and shall be of steel or other equivalent material having a flat face and this flange, together with a suitable gasket, shall be suitable for a service pressure of 600kpa:</p> <p>Provided that for ships having a moulded depth of 5m, and less, the inner diameter of the discharge connection may be 38mm.</p>	

- (2) For ships in dedicated trades, i.e., passenger ferries, its discharge pipeline may, alternatively, be fitted with a discharge connection such as quick connection couplings, with the approval of the central government.

**8. Discharge of sewage: - (1)** Subject to the provisions of rule 4, the discharge of sewage into the sea is prohibited, except when:

- (a) The ship is discharging treated sewage at a distance of more than 3 nautical miles from the nearest land, or untreated sewage at a distance of more than 12 nautical miles from the nearest land, provided that, in any case, the sewage that has been stored in holding tanks, or sewage originating from spaces containing living animals, shall not be discharged instantaneously but at a moderate rate when the ship is en route and proceeding at not less than 4 knots; the rate of discharge shall be approved by the central government or RO, on the basis of standards developed by the International maritime Organization; or
- (b) the ship has in operation an approved sewage treatment plant which has been certified by the Administration to meet the operational

requirements referred to in regulation 9.1 .1 of the Annex VI of the Convention, and the effluent shall not produce visible floating solids nor cause discoloration of the surrounding water. *[Type approval of STP as per the standard prescribed by the Director General]*

- (2) The provisions of sub rule (1) shall not apply to ships operating in the waters under the jurisdiction of another country while the ship is in such country's waters and are discharging sewage in accordance with such less stringent requirements as may be imposed by such country.
- (3) Subject to the provisions of rule 4, the discharge of sewage from a passenger ship within a special area shall be prohibited; except when the following conditions are satisfied:
  - (a) the ship has in operation an approved sewage treatment plant which has been certified by the Administration to meet the operational requirements referred to in rule 6(2) (a); and
  - (b) the effluent shall not produce visible floating solids nor cause discoloration of the surrounding water.
- (4) The rate of discharge of sewage under this rule shall be determined by the Director General in accordance with Schedule III to this Rule
- (5) When the sewage is mixed with wastes or waste water covered by other Annexes of the Convention, the requirements of those Annexes shall be complied with in addition to the requirements of Annex IV of the Convention.

## **9. Reception facilities. –**

- (1) The Central Government shall ensure the provision of adequate facilities at ports and terminals for the reception of sewage without causing undue delay to vessels, in accordance with section 356-I of the Act.
- (2) The Central Government may, where appropriate, participate in or recognize *Regional Reception Facilities Plans* developed in accordance with the Organization's guidelines under regulation 12 of Annex IV of the Convention.
- (3) Special arrangements shall be made for reception facilities for passenger vessels operating within *Special Areas* in accordance with regulation 12 of Annex IV of the Convention.

#### **10. Polar waters. —**

Vessels operating in polar waters shall comply with the relevant provisions of Chapter 4 of Part II-A of the Polar Code.

**11. Sensitive Areas for Pollution Control:-** (1) For the purpose of these rules, the Director General, on the recommendation of the Ministry of Environment, Forest and Climate Change (MoEFCC) or any of its designated statutory agencies, may, by notification in the Official Gazette, declare any area within India's maritime zones to be a "Sensitive Area for Pollution Control (SAPC)".

(2) A notification under sub-rule (1) shall specify—

- (a) the geographical limits of the SAPC (by coordinates or chart references), including any seasonal or time-bound applicability;
  - (b) the prescription for discharge applicable in the SAPC, which may include a zero-discharge standard (including food wastes) or any stricter restriction than those provided in the Schedule; and
  - (c) any additional operational requirements, including mandatory retention on board, delivery to reception facilities, record-keeping and reporting obligations.
- (3) In cases of urgent environmental risk, the Central Government may issue an interim order declaring a temporary SAPC for a period not exceeding ninety days, pending notification under sub-rule (1).
- (4) Prescriptions notified for a SAPC shall not be less stringent than those applicable under the Schedule for special areas, and nothing in this rule shall derogate from obligations under the Convention

**12. Control on operational requirements.-** (1) During inspection of a foreign vessel in Indian port under section 356g, the surveyor, or as the case may be, any other person authorized thereunder, has clear grounds to believe that the master or crew of that vessel are not familiar with operational requirements and procedures relating to the prevention of pollution by sewage, the director-general or any officer authorised by him, shall, on the recommendation of the surveyor or the authorized person, take such steps as provided in section 356h.

(2) Nothing in this rule shall be construed to limit the rights and obligations of the central government carrying out control over operational requirements specifically provided for in the convention.



**13. Fees.**- the fee as specified in the schedule V shall be levied for the purposes of conducting surveys under these rules.

**14. Penalty.**- whoever contravenes any of the provisions of these rules shall be punished with fine in accordance with the provisions of section 281.

## **SCHEDULE I**

**(See rule 5)**

### **Surveys and Certification**

This Schedule specifies the procedures and conditions for surveys of vessels, for the issue and endorsement of International and Indian Sewage Pollution Prevention Certificates, including exemption certificates for unmanned non-self-propelled barges, and for determining the duration and validity of such certificates under Annex IV to the Convention and these rules.

#### **1. Surveys:**

- (1) Every vessel specified under sub-rule (1) of rule 3 shall be subject to the following surveys, namely:
  - (a) An initial survey shall be conducted before the vessel is put in service or before the certificate required under rule 5 is issued for the first time and such initial survey shall include a complete survey of its structure, equipment, systems, fittings, arrangements and material so as to ensure that they fully comply with the requirements of these rules.
  - (b) A renewal survey shall be conducted at an interval not exceeding five years except where the provisions of sub-rules (2), (5), (6) and (7) of rule 8 are applicable and the renewal survey shall be such as to ensure that the structure, equipment, systems, fittings, arrangements and materials fully comply with the requirements of these rules.
  - (c) An additional survey, either general or partial, according to the circumstances, shall be conducted after a repair is required under sub-rule (4), or whenever important repairs or renewals are made and such survey shall ensure that necessary repairs or renewals have been effectively made and that the material and workmanship of such repairs or renewals are in all respect satisfactory and the vessel complies with the requirements of these rules in all respect.
- (2) The central government shall specify appropriate measures for vessels which are not subject to the provisions of sub-rule (1) in such

manner that the provisions of these rules are complied with.

- (3) The surveys of vessels for the purposes of enforcement of the provisions of these rules shall be carried out by a surveyor appointed under section 9, or a person authorized under sub-section (1) of section 356g, by the central government.
- (4) The central government shall,-
  - (a) Subject to such conditions as it deems fit, empower the surveyor or, as the case may be, the authorized person, referred to in sub-rule (3), to require repairs to a vessel and to carry out survey on the request of appropriate authorities of a state party; and
  - (b) Notify the international maritime organization of the specific responsibilities and conditions of authority so given to the surveyor or the authorized person, for circulation to the state parties, for the information of their officers.
- (5) When the surveyor or, as the case may be, the authorized person determines that the condition of the vessel or its equipment does not correspond substantially with the particulars of the certificate or is such that, the vessel is not fit to proceed to sea without presenting an unreasonable threat of harm to the marine environment, such surveyor or authorized person shall immediately ensure that corrective action is taken and shall also, in due course, report the same to the central government: Provided that where such corrective action is not taken, the certificate shall be withdrawn and the central government shall be reported of it immediately:  
Provided further that if the vessel is in a port of another state party, the appropriate authorities of that port state shall be reported immediately:  
Provided also that where the surveyor or the authorized person has reported to the appropriate authorities of the port state, the government of that port state shall give such surveyor or authorized person necessary assistance to carry out their obligations under these rules and shall ensure that such vessel shall not sail until it can proceed to sea or leave the port for the purpose of proceeding to the nearest appropriate repair yard available, without presenting any unreasonable threat of harm to the marine environment.

- (6) The central government shall, in every case, fully guarantee the completeness and efficiency of such survey and undertake to ensure necessary arrangements to satisfy such obligation.
- (7) The condition of the vessel and its equipment shall be maintained in such manner as to conform to the provisions of the convention so that the vessel shall remain, in all respects, fit to proceed to sea without presenting any unreasonable threat of harm to the marine environment.
- (8) After any survey of the vessel under sub-rule (1) has been completed, no change shall be made in the structure, equipment, systems, fittings, arrangements or material covered by such survey without the sanction of the central government except any direct replacement of such equipment and fittings.
- (9) Whenever an accident occurs to a vessel or a defect is discovered which substantially affects the integrity of the vessel or the efficiency or completeness of its equipment as required by these rules, the master or owner of the vessel shall report at the earliest opportunity to the central government, who shall cause investigations to be initiated by the surveyor or the authorized person to determine whether a survey as required by sub-rule (1) is necessary:  
  
Provided that if the vessel is in the port of another state party, the master or owner shall also report immediately to the appropriate authorities of that port state and the surveyor or the authorized person shall also ascertain that such report has been made.

## **2. Issue or endorsement of certificate:-**

- (1) After an initial survey or, as the case may be, a renewal survey in accordance with the provisions of rule 4, an certificate or an International Sewage Pollution Prevention Exemption Certificate for Unmanned Non-Self-Propelled Barges shall be issued to any vessel which is engaged in voyages to ports or offshore terminals under the jurisdiction of other state parties to the convention and in the case of existing vessels, such requirement shall apply five years after the date of 27th September, 2003.

- (2) The certificate referred to in sub-rule (1) shall be issued or endorsed by the central government and in every case; it shall assume full responsibility for such certificate.
- (3) the central government may, at the request of the government of a state party to the convention, cause survey of a vessel registered in that state and if satisfied that the provisions of the convention are complied with, issue an certificate to that vessel and a copy of the certificate and a copy of the survey report shall be transmitted as soon as possible to that government requesting the survey.
- (4) a certificate issued under sub-rule (3) shall contain a statement that it has been issued at the request of the government of the state party and such certificate shall have the same effect as if it was issued by that government.
- (5) No certificate shall be issued to a ship which is entitled to fly the flag of a state, which is not a party.
- (6) The Central Government shall issue an International Sewage Pollution Prevention Exemption Certificate to an unmanned non-self-propelled barge in accordance with regulation 7 and Appendix II of Annex IV of the Convention.
- (7) No Such Certificate shall be issued to a vessel or barge entitled to fly the flag of a State which is not a Party to the Convention.
- (8) The central government shall issue an Indian sewage pollution prevention certificate to any ship which is engaged in voyages to ports or offshore terminals in Indian waters and in the case of existing vessels, such requirement shall apply five years after the date of 27th September, 2003.
- (9) River Sea Vessels (RSV) and Inland Coastal Vessels (ICV) shall be surveyed and certified in accordance with the respective notifications applicable to such vessels, in so far as those notifications implement or supplement the requirements of Annex IV of the Convention and these rules.

### **3. Issue or endorsement of a certificate by another government. -**

- (1) The government of a state party to the convention may, on the request of the central government, cause a vessel to be surveyed and if satisfied that the provisions of the convention are complied with, issue or authorise

the issue of an certificate to that vessel and where appropriate, endorse or authorise the endorsement of that certificate on the vessel in accordance with these rules.

- (2) A copy of the certificate and a copy of the survey report shall be transmitted to the central government requesting the survey.
- (3) A certificate so issued under sub-rule (1) shall contain a statement to the effect that it has been issued at the request of the central government and it shall have the same force and receive the same recognition as the certificate issued under rule 5.
- (4) No International Sewage Pollution Prevention Certificate or UNSP Exemption Certificate shall be issued to a ship which is entitled to fly the flag of a State which is not a Party

**4. Form of certificate.** - The certificates shall be issued in the forms provided in Schedule IV to this Rule

**5. Duration and validity of certificate.** -

- (1) The certificate or, as the case may be, the Indian sewage pollution prevention certificate shall be issued valid for a maximum period of five years.
- (2) Notwithstanding anything contained in sub-rule (1), when the renewal survey is completed-
  - (a) Within three months before the expiry date of the existing certificate, the new certificate issued shall be valid from the date of completion of such renewal survey for a period of five years from the date of expiry of the existing certificate;
  - (b) After the expiry date of the existing certificate, the new certificate issued shall be valid from the date of completion of such renewal survey for a period of five years from the date of expiry of the existing certificate;
  - (c) More than three months before the expiry date of the existing certificate, the new certificate issued shall be valid from the date of completion of the renewal survey for a period of five years from the date of completion of such renewal survey.
- (3) If a renewal survey has been completed and a new certificate cannot be issued or placed on board the vessel before the expiry date of the existing

certificate, the central government may endorse the existing certificate and such certificate shall be accepted as valid for a further period of five months from the expiry date.

- (4) If, at a time when the certificate expires, a vessel is not in the port in which it is to be surveyed, or in such other cases as it deems proper and reasonable so to do, the central government may, extend the period of validity of the certificate:

Provided that such extension shall be granted only for the purpose of allowing the vessel to complete its voyage to the port in which it is to be surveyed:

Provided further that such extension shall not be granted for a period longer than three months:

Provided also that a vessel to which an extension is granted shall not, on its arrival in the port in which it is to be surveyed, be entitled to leave that port without having a new certificate and such new certificate issued after the renewal survey is completed, shall be valid for a period of five years from the date of expiry of the existing certificate before the extension was granted.

- (5) Where a certificate issued to a vessel engaged on short voyages has not been extended under the provisions of sub-rule (4), the central government may extend the period of grace up to one month from the date of its expiry and the new certificate issued after the renewal survey is completed shall be valid for a period of five years from the date of expiry of the existing certificate before the extension was granted.
- (6) Under such special circumstances as may be determined by the central government, the new certificate shall be issued for a period of five years from the date of completion of the renewal survey and not from the date of expiry of the existing certificate as provided in clause (b) of sub-rule (2), sub-rule (4) and sub-rule (5).
- (7) A certificate issued under rules 5 or 6 shall cease to be valid in the following cases, namely: -
- (a) Where the surveys specified under sub-rule (1) of rule 4 has not been completed within the period specified there under; or
  - (b) Upon a transfer of the vessel to the flag of another, state party:

- (8) Provided that no new certificate shall be issued by any government required to do so unless it is fully satisfied that the vessel is in full compliance of the requirements of sub-rules (7) and (8) of rule 4: provided further that in the case of a transfer between state parties, if a request is made within three months after such transfer has taken place, the government of the state party whose flag the vessel was formerly entitled to fly shall, as soon as possible, transmit to the central government copies of the certificate carried by the vessel before such transfer and copies of survey reports, if available.

**6. Exemptions from survey and certification requirements:-**

- (1) **General principle:** – Subject to the provisions of these rules and of the Convention, no vessel to which rule 3 applies shall be exempted from the survey and certification requirements prescribed in this Schedule, except as expressly provided in this paragraph.
- (2) **Exemptions for unmanned non-self-propelled barges:-** The Central Government may, in accordance with regulation 3.2 of Annex IV to the Convention, exempt an unmanned non-self-propelled (UNSP) barge from the survey and certification requirements of these rules, where it is satisfied, on the basis of plans, particulars and survey, that –
- (a) the barge is not propelled by mechanical means;
  - (b) the barge has neither persons nor living animals on board;
  - (c) the barge is not used for holding sewage during transport; and
  - (d) the barge has no arrangements that could produce sewage as defined in regulation 1.3 of Annex IV to the Convention.
- (3) **Procedure:-** For the purpose of sub-paragraph (2), the shipowner or operator shall apply to the Central Government or to a recognised organisation acting on its behalf, enclosing the General Arrangement Plan, Capacity Plan and such other plans or information as may be required; the Central Government or recognised organisation shall –
- (a) review the submitted plans and information to verify compliance with the conditions in sub-paragraph (2); and
  - (b) carry out a survey of the barge to confirm that the actual arrangements on board correspond to the conditions in sub-paragraph (2).



- (4) **Issue of exemption certificate:**— Where the Central Government, or a recognised organisation acting on its behalf, is satisfied that the conditions in sub-paragraphs (2) and (3) are met, it shall issue an International Sewage Pollution Prevention Exemption Certificate for Unmanned Non-Self-Propelled Barges in Form III, in accordance with regulations 3.2 and 7 of Annex IV to the Convention and rule 5.
- (5) **Loss of exemption:** —The exemption granted under this paragraph shall cease to have effect, and the exemption certificate shall be withdrawn or cancelled, where;
- (a) the barge is operated in a manner that does not comply with the conditions in sub-paragraph (2); or
  - (b) any arrangements are fitted or used which could generate sewage as defined in Annex IV, unless the barge is thereafter surveyed and certificated in accordance with paragraphs 1 to 5 of this Schedule.
- (6) **Other MARPOL exemptions:**— Nothing in this paragraph shall prejudice the power of the Central Government, in accordance with the Convention and the Act, to grant or recognise exemptions from survey and certification requirements under other Annexes of MARPOL in respect of unmanned non-self-propelled barges, where such exemptions are provided for in those Annexes; provided that any such exemption shall not diminish the level of protection of the marine environment required by these rules in relation to sewage.

## **SCHEDULE II**

**(See Rule 3, 5, 6 & 8)**

### **Sewage holding tanks (Regulation 9.1.3)**

1. Sewage holding tanks shall have following capacity for the retention of all sewage, having regard to the operation of the ship, the number of persons on board and other relevant factors.

Type of discharge Control	Liters per Person Per Day	
	Conventional System	Vacuum System
Sewage (black water)	60	25
Sewage (black and grey water)	230	185

2. Capacity of the tank should be at least sufficient to hold the sewage for one day or as per the voyage pattern of the vessel, the maximum number of days operating in areas where the discharge of untreated sewage into the sea is prohibited (minimum 1 day).
3. Sewage holding tanks shall be constructed to the satisfaction of the Recognised Organisation that classes the ship and shall have a means to indicate visually the amount of its contents (e.g. a sight glass).
4. The sewage system should not have fixed connections to ballast water systems.
5. Additional requirements for vessels of less than 400 gross tonnage and certified to carry 15 persons or fewer. –
  - (1) Every vessel of gross tonnage less than four hundred and certified to carry fifteen persons or fewer shall be provided with one of the following sewage handling arrangements:
    - (a) a sewage treatment plant of a type approved by the Central Government; or
    - (b) a sewage comminuting and disinfecting system approved by the Central Government; or

- (c) a holding tank of such capacity as is sufficient for the retention of all sewage generated on board, having regard to the number of persons carried and the vessel's service and voyage pattern.
- (2) Provision of holding tank(s) may be considered by the Central Government or a recognised organisation acting on its behalf in lieu of a sewage treatment plant where voyages to offshore or distant ports are made only occasionally, subject to the capacity of the holding tank(s) being adequate taking into account the duration of such voyages and the total number of persons carried.
- (3) Where a vessel of gross tonnage less than four hundred and certified to carry fifteen persons or fewer does not have a sewage handling system installed in accordance with sub-paragraph (1), the vessel shall –
  - (a) use onshore toilet facilities whenever possible; and/or
  - (b) use portable toilet(s) to be later emptied to a sewerage or septic system on shore; or
  - (c) retain sewage in an on-board holding tank for pumping out to shore reception facilities.
- (4) The Central Government may issue guidelines specifying detailed technical standards and operational practices for the application of this paragraph to private (non-commercial) yachts, restricted service vessels and inland coastal vessels, consistent with Annex IV of the Convention and these rules.

**SCHEDULE III**  
**(RULE 8 (4))**  
**DISCHARGE RATE**

1. (1) **Rate of Discharge** - The maximum permissible discharge rate is 1/200,000 (or one 200,000th part) of swept volume as follows:

$$DR_{\max} = 0.00926 V D B$$

Where:

DR<sub>max</sub> is maximum permissible discharge rate (m<sup>3</sup> /h)

V is ship's average speed (knots) over the period

D is Draft (m)

B is Breadth (m)

- (2) The maximum permissible discharge rate specified in paragraph (1) refers to the average rate as calculated over any 24 hour period, or the period of discharge if that is less, and may be exceeded by no more than 20% when measured on an hourly basis.

2. **Approval of Rate** –(1) The Director General shall approve the rate of discharge specified in paragraph 1 of this Schedule based upon the ship's maximum summer draft and maximum service speed. Where sewage is to be discharged at a different combination of draft and speed one or more secondary discharge rates may also be approved in accordance with the table below

DISCHARGE RATE (m <sup>3</sup> /h)					
Speed (kt)	4	6	8	10	12
Draft (m)					
5	4.63	6.94	9.26	11.57	13.89
6	5.56	8.33	11.11	13.89	16.67
7	6.48	9.72	12.96	16.20	19.45
8	7.41	11.11	14.82	18.52	22.22
9	8.33	12.50	16.67	20.83	25.00

(2) Notwithstanding anything contained in sub paragraph (1), for ships other than those having a high requirement for untreated sewage discharge, such as passenger ships and livestock carriers, the discharge rate criterion will generally not be exceeded at ship speed of 4 knots.

3. **Method of Calculation:** (1) The calculated swept volume of the ship is to be determined for drafts up to and including the summer draft assigned in accordance with Article 3 of International Convention on Load Lines, 1966.

(2) Where a ship is to discharge sewage from a holding tank using a pump calibrated at a fixed rate, the pump can either be:

(i) calibrated at a the rate permitted at 4 knots; or

(ii) calibrated for a specific minimum ship's speed in excess of 4 knots.

(3) Where the intended actual discharge rate exceeds that permissible at 4 knots, the actual discharge rate may need to be reduced or the speed increased. The Director General shall provide the rate and speed in the approval issued

4. Compliance with the rate – (1) Before undertaking a sewage discharge in accordance with this standard, the crew member responsible for sewage operations should ensure that the ship is en route, is more than 12 nautical miles from the nearest land and the navigation speed is consistent with the discharge rate that has been approved by the Director General. Ships with high discharge requirements are encouraged to keep notes of calculations of the actual discharges to demonstrate compliance with the approved rate.

## **SCHEDULE IV**

### **FORM-I**

(See rule xx)

#### **International Sewage Pollution Prevention**

Issued under the provisions of the International Convention for the Prevention of Pollution from Vessels, 1973, as modified by the Protocol of 1978 relating thereto, as amended (hereinafter referred to as "the Convention"), under the authority of the Government of India.

By

.....  
..... (full designation of the competent person or organization authorized under the provisions of the Convention)

#### **Particulars of ship<sup>1</sup>**

Name of vessel

.....  
.....

Distinctive number of letters

.....  
.....

Port of registry

.....  
.....

Gross tonnage

.....  
.....

Number of persons which the vessel is certified to carry

.....  
.....  
.....

IMO Number

New/existing vessel\*

Date on which keel was laid or vessel was at a similar stage of construction or, where applicable, date on which work for a conversion or an alteration or modification of a major character was commenced

.....  
.....

#### **THIS IS TO CERTIFY:**

1. That the vessel is equipped with a sewage treatment plant/comminuter/holding

tank\* and a discharge pipeline in compliance with regulations 9 and 10 of Annex IV of the Convention as follows:

1.1 Description of the sewage treatment plant:

Type of sewage treatment plant

.....  
Name of manufacturer  
.....  
.....

The sewage treatment plant is certified by the Central Government to meet the effluent standards as provided for in Resolutions MEPC.159(55) or MEPC.227(64) as amended, as applicable.

The sewage treatment plant is certified by the Administration to meet the effluent standards as provided for in resolution MEPC.2(VI).

1.2 Description of comminuter:

Type of comminuter

.....  
.....  
Name of manufacturer  
.....  
.....

Standard of sewage after disinfection  
.....

1.3 Description of holding tank:

Total capacity of holding tank..... m<sup>3</sup>

Location  
.....  
.....

1.4 A pipeline for the discharge of sewage to a reception facility, fitted with a standard shore connection

2. That the vessel has been surveyed in accordance with regulation 4 of Annex IV of the Convention.

3. That the survey shows that the structure, equipment, systems, fittings, arrangements, and material of the vessel and the condition thereof are in all respects satisfactory and that the vessel complies with the applicable requirements of Annex IV of the Convention.

This Certificate is valid until.....<sup>3</sup> subject to surveys in accordance with regulation 4 of

Annex IV of the Convention.

Completion date of survey on which this Certificate

is based

.....dd/mm/yyyy

y

Issued at

.....  
.....

(Place of issue of Certificate)

(dd/mm/yyyy)

.....

(Date of issue)

.....

(Signature of authorized official issuing the Certificate)

\_\_\_\_\_  
(Seal or stamp of the authority, as  
appropriate)

\*Delete as appropriate

1. Alternatively, the particulars of the vessel may be placed horizontally in boxes.
2. Refer to the IMO Vessel Identification Number Scheme adopted by the Organization by resolution A.600 (15)

Insert the date of expiry as specified by the Central Government in accordance with regulation 8.1 of Annex IV of the Convention. The day and the month of this date correspond to the anniversary date as defined in regulation 1.8 of Annex IV of the Convention.



**Endorsement to extend the Certificate if valid for less than 5 years where regulation 8.3 applies**

The vessel complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.3 of Annex IV of the Convention, be accepted as valid until

(dd/mm/yyyy):

.....  
.....

Signed:

.....  
.....

(Signature of authorized official) Place:

.....  
.....

Date(dd/mm/yyyy):

.....

(Seal or stamp of the authority, as appropriate)

**Endorsement where the renewal survey has been completed and regulation 8.4 applies**

The vessel complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.4 of Annex IV of the Convention, be accepted as valid until (dd/mm/yyyy):

.....

Signed:

.....  
.....

(Signature of authorized official)

Place:

.....  
.....

Date (dd/mm/yyyy) :

.....

(Seal or stamp of the authority, as appropriate)

**Endorsement to extend the validity of the Certificate until reaching the port  
o survey or for a period of grace where regulation  
8.5 or 8.6 applies**

This certificate shall, in accordance with regulation 8.5 or 8.6\* of Annex IV of  
the Convention, be accepted as valid until

(dd/mm/yyyy) .....

Signed:

.....  
..... (Signature  
of authorized official)  
Place :  
.....  
..... Date  
(dd/mm/yyyy) :  
.....

(Seal or stamp of the authority,  
as appropriate)

## FORM-II

(See rule xx)

### Indian Sewage Pollution Prevention Certificate

Issued under the provisions of the Merchant Shipping (Prevention of Pollution by Sewage from Ships) Rules, 2009, under the authority of the Government of India and in respect to the provisions of Annex IV of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, as amended (hereinafter referred to as "the Convention").

by

.....  
..... (full designation of the  
competent person or organization authorized under the provisions of the  
Paragraphs.)

#### Particulars of vessel<sup>1</sup>

Name of vessel

.....  
.....

Distinctive number of letters

.....  
.....

Port of registry

.....  
.....

Gross tonnage

.....  
.....

Number of persons which the vessel is certified to carry

.....

\*Delete as appropriate.

1. Alternatively, the particulars of the vessel may be  
paced horizontally in boxes. IMO Number<sup>1</sup>  
New/existing ship\*

Date on which keel was laid or vessel was at a similar stage of construction or,  
where applicable, date on which work for a conversion or an alteration or  
modification of a major character was commenced

.....

**THIS IS TO CERTIFY:**

1. That the vessel is equipped with a sewage treatment plant/comminuter/holding tank and a discharge pipeline in compliance with regulations 9 and 10 of Annex IV of the Convention as follows:

1.1 Description of the sewage treatment plant:

Type of sewage treatment plant

.....

..... Name of manufacturer

.....

.....

The sewage treatment plant is certified by the Central Government to meet the effluent standards as provided for in Resolutions MEPC.159(55) or MEPC.227(64) as amended, as applicable. .

1.2 Description of comminuter :

Type of comminuter

.....

.....

Name of manufacturer

.....

.....

Standard of sewage after disinfection

.....

....

1.3 Description of holding tank:

Total capacity of holding tank

.....

m<sup>3</sup>

Location

.....

.....

1.4 A pipeline for the discharge of sewage to a reception facility, fitted with a standard shore connection

2. That the vessel has been surveyed in accordance with regulation 4 of Annex IV of the Convention.

3. That the survey shows that the structure, equipment, systems, fittings, arrangements, and material of the vessel and the condition thereof are in all

respects satisfactory and that the vessel complies with the applicable requirements of Annex IV of the Convention.

4. Standards Applicable:

MEPC.2(VI) ☐

MEPC.159(55) ☐

MEPC.227(64) ☐

This Certificate is valid until .....<sup>3</sup> subject to surveys in accordance with regulation 4 of

Annex IV of the Convention.

Completion date of survey on which this Certificate

is based

..... dd/  
mm/yyyy

Issued at

.....  
..... (Place of issue of Certificate)

(dd/mm/yyyy)

.....  
..... (Date of  
issue)

.....  
.....

(Signature of authorized official issuing the Certificate)

\_\_\_\_\_  
(Seal or stamp of the authority, as  
appropriate)

Endorsement to extend the Certificate if valid for less than 5 years where regulation 8.3 applies

The vessel complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.3 of Annex IV of the Convention, be accepted as valid until (dd/mm/yyyy): .....

Signed: .....

(Signature of authorized official)

Place: .....

Date (dd/mm/yyyy): .....

(Seal or stamp of the authority, as appropriate)

**Endorsement where the renewal survey has been completed and regulation 8.4 applies**

The vessel complies with the relevant provisions of the Convention, and this Certificate shall, in accordance with regulation 8.4 of Annex IV of the Convention be accepted as valid until

(dd/mm/yyyy):

.....

Signed

.....

(Signature of authorized official)

Place: .....

Date (dd/mm/yyyy) : .....

.....

(Seal or stamp of the authority, as appropriate)



**Endorsement to extend the validity of the Certificate until reaching the port of survey or for a period of grace where regulation 8.5 or 8.6 applies**

This certificate shall, in accordance with regulation 8.5 or 8.6\* of Paragraph IV of the Convention, be accepted as valid until  
(dd/mm/yyyy/)

Signed:

.....

(Signature of authorized official)

Place : .....

Date (dd/mm/yyyy) : .....

(Seal or stamp of the authority, as appropriate)

\_\_\_\_\_

\*Delete as appropriate

**FORM III**

**Form of Exemption Certificate for UNSP Barges**

**INTERNATIONAL SEWAGE POLLUTION PREVENTION EXEMPTION  
CERTIFICATE FOR UNMANNED NON-SELF-PROPELLED (UNSP) BARGES**

Issued under the provisions of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978, as amended, relating thereto (hereinafter referred to as "the Convention") under the authority of the Government of:

.....

*(full designation of the country)*

by .....

*(full designation of the competent person or organization  
authorized under the provisions of the Convention)*

**Particulars of vessel**

Name                                      of                                      vessel

.....

Distinctive                      number                      or                      letters

.....

Port                                      of                                      registry

.....

Gross    tonnage

.....

**THIS IS TO CERTIFY:**

1        That the unmanned non-self-propelled (UNSP) barge has been surveyed in accordance with regulation 3.2 of Annex IV to the Convention;

2        That the survey shows that the unmanned non-self-propelled (UNSP) barge:

1. is not propelled by mechanical means;
2. has neither persons nor living animals on board;
3. is not used for holding sewage during transport; and

4. has no arrangements that could produce sewage as defined in regulation 1.3 of Annex IV to the Convention; and
- 3 That the UNSP barge is exempted, under regulation 3.2 of Annex IV to the Convention, from the certification and related survey requirements of regulations 4.1 and 5.1 of Annex IV to the Convention.

This certificate is valid until (dd/mm/yyyy)

..... subject to the exemption conditions  
being maintained.

Completion date of the survey on which this certificate is based  
(dd/mm/yyyy) .....

Issued at .....

*(place of issue of certificate)*

.....

.....

...

*(date of issue) (dd/mm/yyyy):*

*(Signature of duly  
authorized*

*official issuing the  
certificate)*

*(seal or stamp of the authority, as appropriate)*

**SCHEDULE V**  
**(See Rule 13)**  
**FEE**

<b>SR. NO.</b>	<b>ITEMS</b>	<b>CATEGORY</b>	<b>FEES</b>
1.	Survey to verify compliance with the provisions of Merchant Shipping (Prevention of Pollution by Sewage from Ships) Rules 2026.	<p>a) <u>Initial Survey</u></p> <p>(i) Vessel's Between 400 to 1000 GT</p> <p>(ii) Vessel's above 1000 GT</p> <p>b) <u>Renewal Survey</u></p> <p>(i) Vessel's Between 400 to 1000 GT</p> <p>(ii) Vessel's above 1000 GT</p> <p>b) <u>Additional Survey</u></p> <p>(i) Vessel's Between 400 to 1000 GT</p> <p>(ii) Vessel's above 1000 GT</p> <p>c) Periodical Survey</p>	<p>Rs.10,000/-</p> <p>Rs.10,000/- Plus Rs.1,000/- for every additional 500 GT or part thereof subject to maximum of Rs.40,000/-</p> <p>Rs.8,000/-</p> <p>Rs.8,000/- plus Rs.5,00/- for every additional 500 GT or Part thereof subject to maximum of Rs.35,000/-</p> <p>Rs.8,000/-</p>

SR. NO.	ITEMS	CATEGORY	FEES
		(Annual Survey/ Intermediate Survey)	Rs.8,000/- plus Rs.5,00/- for every additional 500 GT or Part thereof subject to maximum of Rs.35,000/-  75% of renewal survey fees subject to a min of Rs.6,500/-
2	Issuance of certificate		Rs.3,000/-
3	Permissions in respect of extension of surveys/ exemptions/ dispensation etc.		Rs.1,500/- perCase
4	Approval of plans related to Ballast water management system		Rs.8000/-