

MINISTRY OF SURFACE TRANSPORT

(Shipping Wing)

New Delhi the 24th October, 1994

G.S.R. 555— In exercise of the powers conferred by Section 172 read with section 457 of the Merchant Shipping Act, 1958 (44 of 1958) and in supersession of the Merchant Shipping (Medicines, Medical Stores and Appliances) Rules, 1966, 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, commencement and application.**

- (1) **These rules may be called the Merchant Shipping (Medicines, Medical Stores and Appliances) Rules 1994.**
- (2) They shall come into force on publication in the Official Gazette.
- (3) They shall apply to all foreign going Indian vessel and all home trade Indian ships of two hundred tones gross or more.

2. **Definition**—In these rules, unless the context otherwise requires –

- (a) “Act” means the Merchant Shipping Act, 1958 (44 of 1958).
- (b) “EM Schedules” means the Emergency Schedules for vessels carrying dangerous goods prescribed by the International Maritime Organization and as revised from time to time.
- (c) “IMDG Cod” means the International Maritime Dangerous Goods Code prescribed by the International Maritime Organization and as revised from time to time.
- (d) “MFA guide” means Medical First Aid Guide prescribed by the International Maritime Organization and revised from time to time.
- (e) “Medical Guide” means the ship Captain's Medical Guide published by the International Maritime Organization and the World Health Organization and revised from time to time.
- (f) “Medical Officer” means a person possessing a degree in Medicine and Surgery of any recognized University and enrolled as a Medical Practitioner on the register of the Medical Council of any State and also holds a valid license issued by the Port Health Officer of the port of departure of the vessel in the form prescribed under the Merchant Shipping 9 Carriage of Medical Officer) Rules, 1961.
- (g) “Official Pharmacopoeia” means the Indian Pharmacopoeia (I.P.), the National Formulary of Indian (N.F.I.), the British Pharmaceuticals Code (B.P.C) and U.S. Pharmacopoeia (U.S.P.).
- (h) “person” in relation to these rules means any person above the age of one year and include ship's crew and officers.
- (i) “Port Health Officer” means any person appointed by the Central government either by name or by virtue of his office, to be the health officer of a port and includes—
 - (i) An Additional. Deputy or Assistant Port Health Officer, or any officer appointed by the Central Government, either by name or by virtue of his office, to perform any/or all duties of a health officer of a port; and
 - (ii) A person appointed by the Central Government under sub-section (3) of section 172 of the Act to inspect the medicines, medical stores and appliances with which a vessel or ship is required to be provided;
- (j) “Schedule” means the Schedule appended to these rules.

3. **Scale of Medicines etc.**—(1) all “ships” shall carry medicines, medical, stores and appliances hereinafter referred to as “Medicines etc”. as specified in the **First Schedule** to these rules.

(2) The tables given in the **First Schedule** Specify the

- (i) Medicines in Part I:
- (ii) Medical stores and appliances in Part II
- (iii) Publications in Part III;
- (iv) Instruments in Part IV:
- (v) Bandages etc. in Part V; and

(vi) Disinfectants in Part VI.

(3) Every Cargo ship on foreign going voyages and passenger ships shall carry the scales of medicines etc., as prescribed in sub-column (a) of column (2) of the **First Schedule**. Where the total number of persons on board exceeds forty on any such ship one set of each of the items listed in sub column (b) of column (2) of the said Schedule shall be, carried for each additional forty persons or party thereof.

(4) Where the ships are required to carry a Medical Officer in accordance with the provisions of section 173 of the Act, the scales of medicines etc. shall be carried so as to be sufficient for 99 persons and the Medical Officer shall determine the additional medicines required to be carried, taking into account the duration of the voyage and the area of the operation, subject to the approval of the Port Health Officer at the port of departure.

(5) Every cargo ship on home trade voyages, where voyage exceeds more than Nineteen Six shall carry the scales of medicines etc.. as specified in column (3) of the said Schedule.

(6) Every cargo ship on home trade voyages of ninety-six hours or less duration shall carry the scales of medicines etc.. is specified in column (4) of the said schedule.

(7) All ships shall carry medicines etc., prescribed under column (5) of **First Schedule**. Such medicines etc. shall be kept in doctors attached case. Such an attach case shall be locked and the key shall be kept in the custody of the person authorized by the Master of the vessel. Medicines in such attach case shall be used only by a qualified medical practitioner. The medicines etc., specified in column (5) shall be in addition to those prescribed under columns 2 to 4 (both inclusive)

(8) (1) Medicines etc., recommended to be used under the instructions of a qualified medical practitioner by Radio Medical Advice are administered as per the instructions and not otherwise.

(2) Enough care is taken so that medicines etc., which have to be used only by a qualified medical practitioner would not fall into the hands of non-medical practitioners

4. Scale of Medicines for special vessels—(1) All cargo ships carrying chemicals as a whole or part of a cargo or the residues of the earlier cargo in quantity in excess of those defined in Vol. 1 of the IMDG Code shall carry on board medicines as specified in EMS & reproduced in the Second Schedule. These shall be in addition to those specified in the First Schedule and shall be stored separately there from.

(2) The recommended quantities of medicines specified in, the **Second Schedule** are generally considered to be sufficient according to instructions given in MFRG. to treat : (i) in case of inhalation—

(a) a crew complement of about 24, in the event of a major emergency (e.g. explosion) for a period of 24 hours by which time either evacuation can be expected to have been completed or additional supplies of medicines to have been brought in by the rescue services.

(b) Few persons exposed in a lesser emergency until the vessel reaches the next port or some other assistance is received.

(ii) In case of ingestion or eye contact one or two persons until landed or cured ; and

(iii) in case of skin contact (leakage or spillage) four persons, until landed or cured.

(3) Where the total persons on board exceed twenty four but do not exceed fifty, the scale of medicines given in the **Second Schedule** should be increased by a factor of 1.5. Where the persons of board exceed fifty the scale of medicines given in the second schedule should be increased by a factor of 2.0.

5. Standards of Medicines—(1) All such medicines medical stores etc. shall conform to the specifications as laid down in the current issue of the official pharmacopoeias applicable in each case.

(2) All tablets and capsules should as far as possible be in proper moisture resistant packaging in order to avoid deterioration due to humid conditions prevalent on board.

6. Labels—(1) All labels on containers or wrapping shall be rendered resistant to moisture by the use of an efficient labels varnish or by some other suitable means.

(2) All labels shall indicate—

(a) the generic name of the preparation as given in the official pharmacopoeia in

English,

(b) the prescribed dose (maximum and minimum), strength of each medicine its batch No., date of manufacture date of expiry as well as name and address of the manufacturer.

(c) the article to be used externally only shall have on the container or wrapping a label bearing the words "for external use only".

7. Position : every medicine indicated as a "Poison" "Controlled substances" respectively printed thereon in capital letters either in red lettering or on red back ground.

(2) All such medicines shall be kept under lock and key in separate cabinet or chest and the key of the cabinet chest shall be kept by the officer authorized by the Master of the vessel.

8. Record Book : (1) The master shall maintain an up to date record of medicines, medical stores and appliances available on board. The stock of medicines and such records shall be available for inspection of the Port Health Officer at any time.

(2) The medicines, medical stores and appliances on board every vessel as well as the record thereof be inspected once in twelve months by the Port Health Officer. After inspection the Port Health Officer shall issue the certificate in the format prescribed in the **Third Schedule**.

(3) Where a vessel is not likely to return to the Indian Port within a period of twelve months from the last inspection by the Port Health Officer, the Master shall procure sufficient medicines, enter the details of voyage and certify that he has fully complied with the rules and enter the same in a separate register.

(4) Separate register must be maintained for 'poisons' and 'controlled substances'.

9. Substitutes- any particular item of medicine or medical store mentioned in the First or Second Schedule is not as a substance having closely similar pharmacological

action or, in the case of prescribed preparations or formulations, similar preparations or formulations which comply with the standards laid down thereof in official pharmacopoeia, may be substituted after obtaining the sanction of the Port Health Officer.

10. Publications—The Master of every vessel shall in use of these medicines, medical stores and appliances be guided by the latest edition of the publication enumerated in Part I of the **First Schedule**.

11. Special Precautions in endemic/epidemic areas—Master of every vessel entering an endemic /epidemic area shall carry adequate quantity of preventive and curative medicines as per the advice of the Port Health Officer from the Port of departure.

12. Disposal—(I) All intact sterile disposable packages should be replaced as and when considered unusable by the Port Health Officer or on the expiry date marked on the packages, whichever is earlier.

(2) Medicines: Medical Stores and appliances shall be replaced on the advice of the Port Health Officer.

13. Replacement of medicine- (1) All medicines consumed in the course of the voyages shall be replaced in the next major port of call.

(2) Medicines, which are not due to expire at least within one year from the date of purchase, shall only be used for replacement.

14. Storage —(I) All medicines shall be stored in proper lockers or medicine chests so as to prevent displacement when the vessel is at sea.

(2) Each category of medicines such as injections, ointments tablets syrups etc., should be stored on separate shelves in the medicine chest.

(3) All medicines should be properly labelled with generic names, dosage, strength, date of manufacture and date of expiry. The medicines should preferably be arranged in such a way that they can be identified without any loss of time.

(4) The principle of FIFO (First in – first out) should invariably be followed for storage of medicines.

15. Reactions- Before giving any drug, drug sensitivity of the individual for a particular drug should be verbally ascertained. Whenever any adverse type of reaction is reported by an individual after consumption of medicines supplied from the medicine chest, the consumption of such medicines by the individual should be stopped forthwith. In case more people are also affected by the same drug, the whole batch of the concerned medicine should be sealed and the details of such reactions along with the samples of medicines used should be handed over to the Port Health Officer, of the next immediate port for further necessary action. The remaining stock of such medicines shall only be used if so permitted by the Port Health Officer, after his report or instructions.

16. Carriage of additional persons/ supernumeraries- when supernumeraries are carried on board, the Master shall ensure that special medicines, if any, required for the use of such supernumeraries (such as wives and children) should be procured and made available on board in consultation with the Port Health Officer.

17. Special precautions regarding infectious persons on board- A. if a case of any infectious is detected on board, following measures should be taken, namely :-

(a) Give treatment to the sick person:

(b) Isolate the sick person;

- (c) Take adequate measures to stop spread of infection:
- (d) Keep a watch on the appearance of the symptoms amongst the contacts.
- (e) To ensure sanitary disposal of excreta in case of Cholera : and
- (f) Report the case to the Port Health Officer of the next port of call.

B. If a case of AIDS is detected on board, following measurements should be adopted, namely :-

- (1) The patient should be kept under close surveillance particularly in respect of his sexual habits;
- (2) All seranges and needles used on AIDS case should be discarded after boiling for 20 minutes;
- (3) Persons handling the AIDS case should take care regarding personal protective devices e.g.;
 - (a) while handling the AIDS case all personnel protective measures like wearing of gloves etc. are used:
 - for disinfections:
 - (b) aseptic disposal of infected material and body fluids be carried out :and
- (4) report the case to the port Health Officer of the next port of call.

18. Exemptions --- (1) The Port Health Officer at any of the major ports may, by order in writing and upon such conditions, if any, as he may think fit to impose and for reasons to be recorded, exempt any vessel from carrying onboard any particular item required by these rules to be carried thereon.

(2) These exemption order shall be in the form set out in **Fourth Schedule**.

THE FIRST SCHEDULED

(See rule 3)

PART I

MEDICINES FOR THE SHIPS MEDICINES CHEST

Item No	Description of item (1)	Foreign going (2)		Home Trade (3)	Home Trade (4)	(5) (5)	Remakes
		(a)	(b)				
1	Acetylsalicylic acid 300 mg tablets	800	200	200	100	-	Aspirin not to be taken on empty stomach
2.	Alcohol, Rubbing, (70% ethyl alcohol (in ml)	4000	1000	1000	500	20	Spirit for external use only.
3.	Aluminium acetate, ear drops, 13% solution in 20 ml bottle with dropper (in ml).	8	-	2	1	-	Ear drops for earache
4.	Aluminium acetate powder, 2 gms, packets for making equivalent aluminium acetate solution (Borrow's) (in ml)	2	1	-	-	-	For external use only for skin inflammation.
5.	Aluminium hydroxide ge, with magnesium hydroxide or magnesium trisilicate, oral suspension, (in kl) (Antacid) 360 ml.	4000	2000	1000	500	-	Antacid/Anti flatulent
6.	Aluminium hydroxide, with magnesium hydroxide or magnesium trisilicate, 1- g tablets.	1000	250	250	100	-	Antacid/anti flatulent
7.	Aminophylline tablets, 500 mgs. ((Radio Medical Advice)	2	12	6	6	-	Refrigerate – Asthma
8	Amitriptyline tablets, 25 mg (Radio Medical Advice)	100	25	25	10	-	Avoid Alcohol Depression.
9	Ampicillin Capsules 250 mg. (Radio Medical Advice)	1000	200	200	100	-	Antibiotics.
10	Antihemorrhoidal suppositories	150	25	75	75	-	Refrigeration preferable / for Piles
11	Ascorbic acid tablets (vitamin C) 100 mg.	75	-	25	10	-	Vitamin C deficiency.
12	Atropine sulfate injection, 0.5 mg/ml, 1 ml ampules (Radio Medical Advice)	100	25	75	50	-	For insecticide poisoning
13	Benzedrine Benzylpenicillin, injection, 2.4 million units per S ml. vial (Radio Medical Advice)	20	-	10	5	-	Antibiotic

14	Benzoic and Salicylin acid Ointment, 30g tube.	4	2	2	1	-	Fungal skin infection.
15	Calamine lotion, plain (in ml)	1000	500	500	250	-	Soothing Ointment.
16	Calcium gluconate, effervescent tablets, 1g.	100	25	-	-	-	For oxal acid or sodium fluoride poisoning. Avoid alcohol/Anti
17	Cotrimide 40% Solution, 500 ml (disinfectant) (in ml)	3000	2000	1000	500	-	For external use only.
	Note :—This is a concentrated (stock) solution when 1 % centrimide is mentioned the stock solution should be diluted.					-	
18	Charcoal, activated, powder (in gms)	250	-	150	50	-	Antidote for poisoning.
19	Chloroquine Phosphate tablets, 250 mg. (C) Not : & the suppression and treatment of Malaria.	100	-	100	50	-	(*)Note to be taken on empty stomach.
20	Chlor-phenamine maleate tablets, 4 mg	60	20	20	20	-	Avoid alcohol/Anti allergic
21	Chlorpheniramine Hydrochloride injection, 10 mg. 1—ml ampoules.	20	15	10	5	-	Avoid alcohol/Anti allergic
22	Chlorpromazine Hydrochloride tablets, 25 mg. (Radio Medical Advice).	100	50	50	20	-	Avoid alcohol/Anti-emetic anti anxiety.
23	Chlorpromazine hy injection 25 mg in 1—ml ampoules.	20	-	10	5	10	Avoid alcohol /Anti-emetic Anti- anxiety.
24	Clove Oil (in ml)	50	-	30	10	-	Tooth-ache.
25	Codiline phosphate linetuss in nil 15 mg/5 ml.	3000	1000	50	50	-	Controlled substances-dry cough.
26	Cyclizine hydrochloride tablets, 50 mg.	400	200	150	50	-	Antiemetic, for motion sickness.
27	27. Dextran injection 6% and sodium Chloride 0.9	8	2				Intravenous fluids. Do not use turbid solution.

28	Diazepam injection, 5 mg/ml, 2nd ampoules (Radio Medical Advice)	30	10	10	5	5	Controlled substance Sedative Avoid alcohol Tranquiliqer
29	Diazepam tablets 5 mg.	300	100	100	50	-	— -do- - do-
30	Dimercaprolfjnjecti 100 mg in 21 ml impulse (Radio Medical Advice)	75	25	10	10	-	Antidote in metal poisoning
31	Do, hydrochloride tablets 10 mg	200	50	50	25	-	Antibiotic
32	Ephedrine sulphate tablets 25 mg (Radio Medical Advice)	200	100	50	50	-	Asthma
33	Eponephrine hydrochloride injection 1 : 1000 1 ml. ampoules (Radio Medical Advice)	20	10	10	10	5	Asthma
34	Ergometrine maleate injection 0.2 mg, 1 ml. ampoules	10	-	5	2	-	To stop bleeding after delivery
35	Erythromycin (stearate or ethylsuccinate) tablets 25 mg. (Radio Medical Advice)	750	250	200	100	-	Anti-biotic.
36	Eye anaesthetic drops 0.5% solution of tetracaine in hydrochloride in dropper bottles 10 ml.	4	2	1	1	-	Should be marked "For external use".
37	Eye anti-infective drops, 1% tetracycline hydrochloride 4 grams tube.	20	8	8	2	-	For eye infection.
38	Eye ointment 1% tetracycline hydrochloride 4 grams tube.	2	8	8	2	-	For eye infection.
39	Eye-wash or eye irritation solution, isotonic sterile, in plastic squeeze bottle 12 ml.	10	2	2	1	-	
40	Flourescein sodium ophthalmic strips, sterile (1% on paper applications) (strips) (Radio Medical Advice)	200	-	50	25	-	To detect corneal ulcer.
41	Furosemide tablets, 40 mg. (Radio Medical Advice).	100	25	75	20	-	Accelerates urine formation
42	Glyceryl trinitrate tablets 0.5 mg. (or isosorbide dinitrate tablets 10 mg.) (Radio Medical Advice)	200	50	50	50	-	Keep bottle tight- Chest pain closed store in (Cardiac) temperature of 0.25°C store in dark place.

43	Hydrocortisene sodium succinate (100 mg. via for injection intravenous of intramuscular. (Radio Medical Advice)	8	2	2	1	2	Shock
44	Hydrocortisone ointment 1% 30g. tube with rectalip.	15	4	2	1	-	Skin allergies
45	Ichthmol and glucerine oinement (Itchthamol 10% glycerine, soft paraffin wool for 90 % in 100g. in gms.	5	2	3	3	-	For boils
46	Inspect repellent (diethyltoluamide solution) 50 ml. (or ointment).	40	10	12	12	-	
47	Iodine 2.5% solution, in 100ml. bottles with glass stopper.	4	2	3	2	-	Bottle should be marked – Antiseptic "POISON" for external use only.
48	Lidocaine hydrochloride injection 1% 2ml. ampoules. (Radio Medical Advice).	12	-	4	2	-	Local anesthetic.
49	Lindane cream 1% 60g tube.	12	-	4	2	-	For external use. for scabies & (lice).
50	Magnesium hydroxide suspension 550mg. 10ml (in ml.)	5000	1000	3000	1000	-	Laxative.
51	Matronidasole tablets 400 mg.	750	250	300	200	-	Avoid alcohol – Dysentery.
52	Miconazole nitrate 2% vaginal cream with application in 80 g container (in Gms).	5	3	2	-	-	Anti-fungal.
53	Miconazalenitrate 100 mg. pessary and inserter.	20	-	5	2	-	Anti-fungal
54	Mineral oil (Liquid petroleum) (in 1000 ml. bottles)	2	-	1	1	-	For cleaning of skin.
55	Morphine sulfate injection 10mg/ml. 1ml. ampoules. (Radio Medical Advice)	20	-	10	5	-	Controlled substances. Pain killer substitute with pebtazocine hydrochloride when Morphine not available 30 mg/ml.
56	Naloxone Hydrochloride injection 0.4 mg/ml. 1 ml. (Radio Medical Advice)	6	-	3	2	-	Required with – Antidote to morphine only Morphine.
57	Neomycine + bacitracin ointment (5 mg. neomycin + 500 IU bacitracin Zinc per g) 30g. tube.	25	10	15	10	-	Keep at temprature - Local skin infection at 2-20°C

58	Oral Rehydration salts (sodium chloride 3.5g sodium bicarbonate 2.5g) Potassium chloride 1.5 g glucose 20g in water proof bags/sachets.	6	15	20	10	-	One bag/sachet should – DIARRHOEA be dissolved on 1 litre of boiled cooled – solution be boiled.
59	Oxygen size E tank	2	1	-	-	-	The tank should – keep away always be full from fire of oxygen.
60	Paracetamol 500 mg tablets.	1000	300	300	100	-	Aches & Pains
61	Petrolatum white 60-g tube.	12		4	2	-	Cracked soles dressing.
62	Phenobarbital tablets 30 mg.	300	-	100	25	-	Controlled substance— Sedative for
63	Phenoxymethyl penicilline (RMA) potassium tablets 250 mg.	500	-	200	100	-	Antibiotic
64	Pilocarpine hydrochloride eye (RMA) drops 2% ISml. drpper bottle	4	-	1	1	-	For glaucoma.
65	Potassium permanganate (in Gms)	200	-	100	50	-	For external use
66	Prob tablets 500 mg. (RMA)	250	-	100	50	-	To use with Penicillin
67	Procaine b sterile suspension injection 6,00,000 units/ml. 1 ml. vials (RMAI)	40	-	10	5	-	Antibiotic Refrigerate
68	PrDguanil tablets 100 mg.	100	-	100	100	-	Malaria Prevention
69	Pyrantel tablets 250 mg.ation 70. Quinine sulfate tablets 300 mg.	200	-	150	100	-	Worms
70	Quinine sulfate tables 300 mg.	100	-	50	2	-	Malaria
71	Quinine dihydrochloride, injection 300 mg/ml.2-ml ampoules.	10	-	3	2	-	Malaria
72	Salbutamol aerosol inhaler unit	6	2	2	2	-	Asthma
73	Sodium chloride injection 0.9 1000 ml. 1000	6	-	3	2	-	Administration Set should be obtained from the manufacturer of the intravenous solution
74	Sodium chloride tablets 1g.	2000	1000	500	200	-	For Heat exhaustion.
75	Spactionomycin hydrochloride injection 2-g Per 5 ml vial(Radio Medical Advice)	20	15	-	-	-	Antibiotic
76	Sulfarne thoxazole + trim thoprim (400 mg + 80 mg) tablets (Radio Medical Advice)	1000	250	200	100	-	Antibiotic
77	Talc (talcum Powder) (in Gms)	1000	750	500	250	-	

78	Tetanus immune human globulin 250 fltS. vial or ampules.	10	-	3	2	-	Refrigerate do not freeze Note : this drug should be carried only on ships that carry cattle horses or hides— Titanus Prevention. Antibiotic Pain termin
79	Tetanus toxide absorbed single dose ampdules mm l 0	Mm10	-	6	4	-	Refrigerate do Tetanus not freeze Prevention
80	Tetracyline ear-drops 1 % tetracyline sOlution in dropper bottle 10 mL.	20	-	6	4	-	Antibiotic
81	Tetracylin hydrochloride Capsules 250 ng. (Radio Medical Advice)	100	-	200	100	-	Antibiotic
82	w S 5i-nl. ampOules	150	40	30	20	-	Antiseptic
83	ZincOXide paste 30 g. tube	12	8	6	4	--	Skin Ointment

PART-II

MEDICAL STORES AND APPLIANCES

Remarks

Item no.	(1)	(2)		(3)		(4)	Remarks
		(a)	(b)	(a)	(b)		
1	Besin, emesin kidney shape, Stainless steel	1	-	1	1	-	
2	Basin, wash with rim stainless steel	1	-	1	1	-	
3	Bed pen enamel	1	-	-	-	-	
4	Cane with rubber tip	1	-	-	-	-	
5	Cruch, adjustable, wood with rubber tip	1	1	-	-	-	
6	Eye cup, for eye irrigation	2	1	1	1	--	made of glass or plastic that not affected by boiling
7	Funnel enamel 12-cm diameter	2	-	1	1	-	
8	Glass cylinder, 50 ml graduated	2	-	1	1	-	for measuring liquid
9	Glass cylinder, 500 cm graduated	2	-	1	1	-	for measuring liquid (to prepare 1% centimeter solution from stock solution)
10.	Heating-pad, electric water proof A/C D/C	2	..	1	1	..	
11.	hot-water/ice bag, rubber stopperless typoe	2	..	1	1	..	
12.	Litter, stockes	2	..	1	1	..	
13.	Magnifying glass (x8/loupe)	1	..	1	1	..	
14.	Neil-Robertsen Stretchor	2	1	1	1	..	

15.	Oxygen unit, portable without size E oxygen Cylinder, adult face mask, regulator, tubing wrench, instruction books (all in self-contained carrying case)	2	..	1		..	
16.	Spare oxygen cylinder size E for item 15 (filled with oxygen)	1	1	..	..	..
17	Refrigerator about 60 litre capacity with inside thermometer cyclamatic automatic defrosting to operate on ship's electrical current, and fitted with a lock	1	..	1	1	..	
18	Cuffs, leather or cloth for restraining	2	1	..	..	..	Restraints may be improvised from bed sheets
19.	Mummy restraint (whole body restraint)	2	1	..	..	..
20	Side-board		2	2..	..	..
21.	Resuscitator, hand-operated with excess pressure relief device, inlet check valve with nipple for optional connection to low-pressure oxygen line	2	..	1	1	..	Consist of a compressible bag with a check valve storage bag grommets, adult face mask, and a non-re-breathing valve
22.	Rubber inflatable ring-pad	1	..	..	..	..
23.	Scales, adult, weighing, clinical capacity 150 kg.	1	..	1	1	..	
24	Sphygmomanometer, electronic	2	..	1	1	1	Instrument for taking blood pressure
25.	Splints, inflatable, arm, for above/below elbow, assorted sizes 6 S	2	..	1	1	..	
26.	Splints, finger, aluminium, padded, assorted sizes 6s.	2	..	1	1	..	
27.	Splints, inflatable, leg for above/below knee assorted sizes 6s.	2	..	1	1	..	
28.	Sterilizer, steam pressure type for dressing and instruments	1	..	1	1	..	Should be of a type with a drying phase.
29.	Steriliser, water type-3 litre capacity, electric (chamber approximately 28 X 14 X 10 cm)	1	..	1	1	..	Preferably with automatic cut-off, when there is insufficient water.
30.	Stethoscope, disc-diaphragm type	2	..	1	1	1	
31.	Thermometer, bath	2	..	1	11	1	
32.	Tray, with cover, for sterilization of small instruments	2	..	1	1	..	To be a component of the sterilizer : must fit inside sterilizer compartment.
33	Urinal, male	2	..	1	1	..	
34.	Receptacle, with pedal-operated lid 12 litre capacity.	1	..	1	1	..	

LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS

Item No.	(1)	(2)		(3)		(4)	Remarks
		(a)	(b)	(a)	(b)		
1	International medical guide for ships	1	..	1	1	..	
2	Medical first aid guide for use in accidents involving dangerous goods	1	..	1	1	..	
3	International Health Regulations	1	..	1	1	..	
4	Vaccination certificate requirements and health advice for international travel	1	..	1	1	..	
5	Merchant Shipping Act	1	..	1	1	..	
6	Merchant Shipping (M Medical stores and appliances) Rules	1	..	1	1	..	
7	Indian Port Health Rules	1	..	1	1	..	
8	Indian Ports Act	1	..	1	1	..	
9	A Pocket guide to cold water survival IMO, London	1	..	1	1	..	
10	Guidelines for drinking-water quality Vol. 1 Recommendations, Geneva, W.H.O.	1	..	1	1	..	

PART-IV

INSTRUMENTS

		(2)		(3)		4	Remarks
		(a)	(b)	(a)	(b)		
1	Airway Pharyngeal plastic adult and child sizes (Disposable)	2	..	1	1	1	
2	Blades surgical knife detachable small tang, sterile (a) No.10 (b) No.15	1					
		1	1	..	..	..
		1	1	..	..	..
3	Forceps dressing bayonet shaped, adson I 8 cm.	1	1	1	1	..	
4	Forceps, haemostat, straight spencer wells 2 15 cm.	2	..	1	1	..	
5	Forceps, haemostat, curved, Haistead mosquito 2 15 cm.	2	..	..	..	..
6	Forceps, hemostat, curved Kelly, I 5 cm.	2	..	..	..	..
7	Forceps, splinter tweezers 10 cm.	1	..	1	1	..	
8	Forceps, tissue. 2-3-dents (a) 13 cm. (b) 18cm.	1	..	1	1	..	
		1	..	1	1	..	
		1	..	1	1	..	
9	Handles knife (scalpel) No. 3	2	..	..	..	..	For detachable surgical knife blades.
10	Scissors, bandage, lister, angular, one point, sharp One point blunt, 20 cm.	3	..	1	1	..	

11	Scissors, surgical straight, 15 cm.	2	..	1	1	..	
12	Hammer, reflex-testing, 20 cm	1	..	1	1	..	
13	Needle-holder, suture, Hegar-mayo 14 cm	2	..	1	1	..	For suturing wounds.

PART V
BANDAGES ETC.

Item NO	(1)	(2)		(3)		(4)	Remarks
		(a)	(b)	(a)	(b)		
1	Adhesive tape, surgical (a) 5cm x 5 M rolls (b) 2cm x 5Mroils	6 6	.. --	2 2	2 2	-- --	
2.	Administration set, intravenous, with butterfly hub needle l mmx 40mm, sterile disposable	5	2	3	2	-	Procure from the manufacturer that supplies the intravenous fluids.
3	Applicators, wood cotton-tipped ends, sterile 2 mm x 15 mm	200	150	100	50	-	
4.	Bandage, cotton, elastic, rubberless. (a) 10 cm X 5m roll (b) 8 cm X 5 m roll (c) 5 cm X 5m roll	12 12 12 12	- 4 4 4	- 8 8 12	- 4 4 6	- - - -	
5.	Bandage, gauze, roller sterile 3cm X10 m two-ply, clinging, 2 safety-pins.	12	4	12	6	-	elastic gauze bandage
6.	Bandage, gauze, roller sterile (a) 10 cm by 5 m (b) 12 cm by 5 m	60 40	10 10	30 20	30 10	- -	Individually wrapped Individually wrapped
7.	Bandage, absorbant, adhesive, 5 cm X 5 m	200	100	50	25	-	Absorbant bandage with adhesive
8.	Casualty dressing, adhesive, individually wrapped, sterile (a) 9 cm X 6 cm (b) 18cm X 9 cm	30 20	15 10	15 10	10 5	- -	
9.	Bandage, muslin, triangular, folded, with 2 safety-pins 90 X 130 cm.	4	1	2	1	-	
10	Tube-gauze-type bandage for finger.	10	2	4	2	-	
11.	Spray dressing,120 ml	8	2	2	1	-	
12.	Petrolatum-gauze burn- and wound dressing various sizes individually packed sterile.	20	15	10	5	-	

13.	First aid emergency dressing (pad with 30 cm open swave gauze tail, sterile) (a) small size (b) medium size (c) large size	10 20 20	10 10 10	5 10 10	5 10 5	- - -	
14.	Bottle, vial, amber, 50 ml. glass or plastic for capsule or tablets Blood lancets, sterile	50 -	30 -	20 -	10 -	- 10	Self –sticking labels should be procured & kept with these bottles.
15.	Catheter, double-eye, pointed. Robinson sterile, disposable, (a) 6 French (2 mm) (b) 8 French (3 mm) (c) 12 French (4 mm) (d) 14 French (5 mm) (e) 16 French (5.5 mm)	 2 2 2 2 2	 - - - - -	 1 1 - - -	 1 1 - - -	 - - - - -	(for urinary catheterization) (6 French and 8 French catheters, can be used or pharyngeal suction)
16.	Catheterization tray, sterile. Disposable regular type: 14 French straight catheter sterile gloves, small forceps cotton ball lubricant, antiseptic solution, underpad and drops, specimen container, and label	3	-	1	1	-	
17.	Clinical record chart	40	-	-	-	-	As per International Medical guide for ships.
18.	Temperature/pulse chart	40	20	-	-	-	
19.	Medical report form for seafarers.	100	50	-	-	-	
20.	Collar, cervical, with trap	1	1	1	1	-	
21.	Clinical record chart pad	1	1	1	1	-	
22.	Cotton, absorbent (a) 50 g roll (b) 200 g roll	20 10	10 5	5 5	3 3	- -	
23.	Cotton absorbent sterile 100g	3	1	1	1	1	
24.	Finger cots, rubber, assorted sizes	12	-	6	6	-	

25	Flashlight (penlight type) with replacement batteries 2 sets each	2	-	1	1	-	
26	Gauze bandage, tubular, 2 cm by 5cm rolled with applicator	5	-	1	1	-	Covering bandage for finger and toes.
27	Gloves, surgical, sterile, disposable large size (7-1/2 or 8), (pairs)	12	-	4	2	-	
28	Gowns, surgical	5	-	-	-	-	

29	Medicine cup waxed paper. or plastic 30 ml graduated, disposable.	100	-	50	50	-	
30	Mask, face disposable	100	20	50	50	-	
31	Microscope slide	100	-	20	20	-	
32	Mortuary transfer bag, leak-2 proof.	2	1	1	1	-	
33	Needle, hypodermic, 0.5 mmx 36 16 mm sterile	36	18	12	6	-	Needles to fit into the type of syringes carried on board.
34	Needle intravenous injection 1 mm, 5cm	18	12	6	6	-	
35	Need intravenous injection 1.1mm, 3cm	12	9	6	6	-	
36	Occult blood detection tablet, with 60 filter papers.	60	40	50	25	-	For detection of occult blood in farces or Sputum follow Instruction for use given by the manufacturer
37	Pad, abdominal, sterile combined 6 dressing gauze, 20cm x 20cm individually sealed.	6	4	3	2	-	
38	Pad cotton eye sterile, Individually sealed.	12	6	12	12	-	
39	Pad, non-adherent sterile dressing non-woven cotton and rayon fabric with performed plastic cover, individually sealed 8cm x 10cm)	100	50	40	20	-	dry dressing material for Wounds
40	Safety-pin rustless (Brass 100 coated)	100	-	40	20	-	Assorted sizes
41	Scrubbing-brush, hand	3	-	2	2	-	
42	Self stitching labels (a) 1"x 1" (b) 1"x 2" (c) 2"x 3"	300 300 500	- - -	100 100 100	50 50 50	- - -	
43	Sheath rubber (condom) 5s (NIRODH)	1000	250	200	100	-	
44	Sheet, waterproof, 110cm x 180 cm	2	-	1	1	-	
45	Skin closure, adhesive surgical 50 sterile (butterfly closure) 6mm.	50	-	25	25	-	to close wounds in place of sutures when feasible.
46	Skin closure adhesive suturless 10 sterile 10cm x 8cm.	10	-	3	3	-	
47	Suture, tapered, 1/2 circle non-traumatic needle, 28mm, absorbable non-boilable 70 cm long size 00, sterile, individually sealed.	12	-	3	3	-	

48.	Suture, armed ½ circle, 25 mm non-traumatic needle, non-absorbable, silk, braided 45 cm long size 000, sterile individually scaled	24	-	6	3	-	
49.	Suture armed 3/8 circle, 20mm needle, size 000 sterile absorbable, individually sealed.						
50	Suture, armed non-absorbable polyester 3/8 circle, 13mm needles with non-traumatic, point size 5.0 sterile sealed.	12	6	3	1	-	
51.	Suture removable, containing suture-removing forceps, sterile, and suture removal scissors, sterile.	12	-	1	1	-	
52.	Syringe glass (a) 2ml. (b) 5ml. (c) 20 ml.	6 2 2	- - -	2 - 1	1 1 1	- - -	Injection needles should fit the type of syringes carried glass Syringes. May be used when disposable syringes are not available
53.	Syringes, plastic disposable Sterile individually sealed with injection needle: (a) 2ml with hypodermic needle ½ mm 16 mm (b) 2ml with intramuscularly, needle 1 mm, 5 cm. (c) 5ml, with intramuscular needle 1 mm 5 cm (d) 20 ml & IV needle 1mm, 5 cm	75 75 50 -	25 25 25 -	10 10 10 -	10 10 10 -	2 2 2 2	
54.	Test strip and colour chart. Combined sugar (urinary, blood glucose, ketone, protein, bilirubin and PH) strips	100	50	50	50	-	
55	Test tablets, kit, glucose reducing sugar in urine, individually sealed.	100	50	25	25	10	
56.	Tissues, facial Boxes	6	4	3	1	-	
57	Thermometer clinical fever	6	-	4	4	-	
58.	Tourniquets, non-pneumatic, blood taking type, composed, of gum rubber with electrotape fastener.	4	2	2	2	-	
59	Tongue- depressor wooden	50	25	20	10	-	
60	Towels, paper, sterile disposable individually wrapped	30	-	15	5	-	
61	Towels, surgical cotton	25	-	15	5	-	
62	Wrapping material, cotton	15	10	5	5	-	

PART VI
DISINFECTANTS

Item No.	1	2		3		4	5 Remarks
		(a)	(b)	(a)	(b)		
1	<p>Chlorinated lime, 2 Use :As a disinfectant and deodorant for ceases, urine, glass and earthenware (Not for disinfecting metal instruments or rubbers articles). It is sprinkled liberally over the substances to be disinfected., mixed thoroughly (if indicated) by stirring with a wooden tongue depressor or suitable implements, and allowed to stand for atleast 1 hour. A small amount of water may be added to facilitate mixing, if necessary.</p> <p>Caution : Open container Cautiously, away from face and eyes. Replaced immediately after use to prevent loss of chlorine, chlorinated lime. loses such or its activity, even with careful storage, in year) Keep separate from internal medicines,</p>	10	-	10	10	-	
2	<p>High test calcium hypochlorite, 1 -liter, in granular form. containing about 70% available chlorine.</p> <p>Use: (1) For disinfecting water and(2) for the disinfections of smooth hard surfaced objects in the dietary area, and cutlery. For this purpose a solution with 100 parts per million available chlorine should be used (take 1.5g of granuales of calcium hypochlo rite io 10 liters of water) Caution : Same as for chlorinated lime.</p> <p>Note— 70 g of high-test calcium hypochlorite will is infect 100 liters (1 tome) of p0- table water.</p>	15	5	5	5	-	Keep separate from internal
3	<p>Sodium Hypochlorite 10% solution, 1-litre. Use: For disinfecting smooth. hard surfaces and objects (tablets, dishes, cutlery, etc..) in dietary area. Dissolve 40 ml of the solution in 10 liters. Of potable water.</p> <p>Caution : Keep separate from internal medicines. Label the bottles ('DISINFECTANT')</p>	10	10	5	5	-	
4.	<p>Aquous phenolic 30 solution 1- litre</p> <p>Use : as a disinfectant for smooth hard surfaced objects in non-dietary area: walls floors etc. Before use, dilute with water 1:10 to obtain the 3% solution used for disinfections.</p> <p>Caution : open bottlies cautiously away from eyes and face. Avoid contamination of skin. Pjenol is a highly toxic substance. Keep separate from internal medicines. Label the bottles 'POISON'</p>	4	2	2	1	-	

**The Second Schedule
(See rule 4)**

LIST OF MEDICINES

(1)	(2)	(3)	(4)
Aminophylline	360 mg	Suppository	60
Ampicillin	500 mg	Capsules	100
Ampicillin	500 mg	Ampoule	100
Amylnitrate	0.17 mg in 0.2 ml.	Ampoules	96
Ascorbic acid (vitamin C)	1 g	Tablets	120
Ascorbic acid (vitamin C)	500 mg in 5 ml	Ampoule	20
Atropine sulphate	1 mg in 1 ml	Ampoule	200
Calcium gluconate 2	25 mg	Tube	6
Calcium Gluconate effervescent	1 g	Tablets	10
Charcole activated	5 g	Sachet or powder	10
Chlorphenamine (Chlorpherinamine)	10 mg in 1 ml	Ampoule	20
Chlorpromazine	25 mg in 1 ml	Ampoules	80
Diazepam	10 mg in 2 ml	Ampoule	60
Dimercaprol	100 mg in 2 ml	Ampoule	160
Methyl alcohol 10% solution	500 ml	Bottle	4
Fluorescein sodium 1% or 2%		Eye test strip	100
Furosimide (frusemide)	20 mg in ml	Ampoule	40
Furosimide (frusemide)	40 mg	Tablets	80
Glucose	500 mg	Powder	1
Macrogol 300 (polyethylene glycol m.w.300)	1litre	Bottle	2
Magenesium trisilicate compound	250 mg	Tablet	40
Methylene blue 1%	10 ml	Ampoule	40
Metoclopramide hydrochlorine	10 mg in 2 ml	Ampoule	60

THE THIRD SCHEDULE

[See rule 8(3)]

Certificate of Inspection of Medicines, Medical store and appliances

(1) Name of the Ship

(2) Owner's name

(3) No. of Crews

(4) No. of Passengers

(5) Class of Ship

(6) Medical Officer

(7) I have this day inspected the medicines, med stores and appliances on board the above mentioned ship and find that the same with the MS. (Medicine, Medical Stores and appliances) Rule, 1994. This certificate shall be valid for a period of twelve months or until it is cancelled by a Port Health Officer after a due inspection, whichever is earlier.

OR

I have examined the medicines, medical stores and appliances on board the above mentioned ship and find that the same is deficient with respect to the following , namely:— . . .

(a)

(b)

(c)

As the above deficiencies cannot be made good in this port, the vessel is permitted to sail for a period of months in which time the Master is advised to make good the above deficiencies.

Dated

Port Health Officer
Port of

THE FOURTH SCHEDULE

[See rule 18(2)]

CERTIFICATE OF EXEMPTION

The S.S./ M.V. " "is hereby exempted from the requirements of the Merchant Shipping (Medicines, Medical Stores and Appliances) Rule, 1994. to the extent and subject to the conditions indicated below: .

This certificate shall remain in force until the _____ day of _____ 19

(Name of Port)

Dated the _____ day of _____ 19

((Signature)

(—————)

(Designation)

Note : The Master, the Agent and the Owner of the Vessel shall be responsible for the implementation of the Merchant Shipping (Medicines, Medical Stores and Appliances) Rules, 1994.

Any contravention of these rules shall attract punitive action under the Merchant Shipping Act, 1958 (44 of 1958).

[No. SR-11013/4/91 - MA]

O.P. MAHEY, Under Secy.

Foot Note : The Principle rules were published in the Gazette of India vide GSR No. 1573, dated 07-6-1966 and were subsequently amended vide :—

(1) G.S.R. No. Nil, dated 23-3-1967.

(2) G.S.R. No. 1384, dated 09-10-1972.