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GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH
MINISTRY OF FINANCE AND PLANNING

Internal Resources Division

Customs

NOTIFICATION

Dacca, the 29th April, 1982

No. S.R.O. 132-L/82/704/Cus.—In exercise of the powers conferred by section 19 of the Customs Act, 1969 (IV of 1969), and in supersession of this Ministry's Notification No. SRO. 12-L/80/517/Cus, dated the 8th January, 1980, the Government is pleased to exempt ocean-going vessel of DWT-7000 tons and above engaged in international trade and falling under Heading No. 89.01 of the First Schedule to the said Act and other essential spares of such vessels as enumerated in the Table below not exceeding 10% of the value of a new vessel and 12% of a second hand vessel imported along with it at the time of its first importation from so much of customs duties leviable thereon as is in excess of 2½% *ad val.*—

TABLE

Sl. No.	Description of items.
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SPARE PARTS FOR MAIN ENGINE

- A. Main Bearing and Stay Bolt:
1. Main bearing 2/2.
 2. Stay bolt with nut.
 3. Thrust bearing pads.
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(991)

Price: Taka 2.50

Sl. No.	Description of items.
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B. Cylinder Liner and Cover :

1. Cylinder liner complete.
2. Non-return valve for cylinder lubricator.
3. Cylinder cover complete with valves.
4. Hydraulic ring.
5. Lubricating stud complete.
6. Cylinder lubricator.
7. Cylinder lubricator pump element.

C. Crank and X-head bearing:

1. Crank bearing with bolts 2/2.
2. Crosshead bearing with bolts 4/4.

D. Piston Rod Stuffing Box:

1. Piston rod stuffing box with rings and springs.
2. Sealing ring.
3. Sealing segments.
4. Scraper ring.

E. Piston:

1. Piston complete.
2. Piston upper part with wear ring.
3. Piston lower part.
4. Stud/screw for piston.
5. Cooling insert.
6. Piston ring.
7. Oil distributor ring.

8. Wear ring.
9. Telescopic pipe.
10. Bush for telescopic.
11. Telescopic pipe for pistons.
12. Stand pipe for telescopic pipe.
13. Guide bush for telescopic pipe.
14. Stuffing box complete for telescopic pipe.

F. Exhaust Valve:

1. Exhaust valve complete.
2. Exhaust valve spindle.
3. Exhaust valve seat.
4. Spindle guide for bush.
5. Bush.
6. Conical ring 2/2.
7. Spring guide.
8. Pull rod.
9. Roker arm.
10. Roker shaft.

Sl. No.	Description of items.
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G. Fuel Injector:

1. Fuel injector complete.
2. Spindle with guide.
3. Automiser.
4. Cap nut.
5. Stap ring.
6. Thrust spindle.
7. Thrust screw.
8. Edge type filter.
9. Nozzle complete with needles.

H. Starting Valve:

1. Starting valve complete.
2. Valve spindle.
3. Valve seat.
4. Spindle guide.
5. Bush.
6. Piston.
7. Rings.

I. Starting Air Distributor:

1. Piston.
2. Bush.
3. Guide.
4. Rings.

J. Relief Valve:

1. Relief valve complete.
2. Valve spindle.
3. Valve seat.

K. Valve Gear :

1. Push rod.
2. Pressure cylinder.
3. Non-return valve.
4. Roller guide complete.
5. Roller with needle bearing.
6. Roller arm shaft.
7. Roller arm with bush.
8. Bush.
9. Thrust piece for roller arm.
10. Scraper ring for push rod.

L. Exhaust and Fuel Cam:

1. Exhaust cam.
2. Fuel cam.
3. Air starting cam.
4. Bearing for cam.

Sl. No.	Description of items.
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M. Fuel Pump :

1. Fuel pump complete.
2. Fuel pump housing.
3. Scraper ring.
4. Regulating arm.
5. Suction valve.
6. Shock absorber.
7. Suction valve.
8. Suction valve seat.
9. Delivery valve.
10. Delivery valve seat.
11. Roller guide complete.
12. Roller with needle bearing.
13. Plunger and barrel.
14. Guide bush.
15. Spill valve.
16. Driving piston complete.
17. Guide bush.
18. Relief valve.

N. Indicator Cock:

1. Indicator cock complete.
2. Spindle.

O. Exhaust Pipe :

1. Compensator.
2. Steel grate with hole.

P. Fuel Oil Pipe:

1. High pressure fuel pipe complete for one engine.

Q. Charge Air Receiver :

1. Springs loaded valves.
2. Leaf springs.
3. Valve plates.

R. Gear Wheel:

1. Complete set of gear train, for camshaft drive mechanism.

S. Turbocharger:

1. Complete bearing unit for blower side.
2. Complete bearing unit for turbine side.
3. Sealing bush.
4. Labyrinth seal.
5. Oil pump complete.
6. Gland strips and caulking wire.

Sl. No.	Description of items.
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7. Turbine rotor.
8. Turbine nozzle ring.
9. Turbine blade.

T. Control Room:

1. Pilot air valve.
2. Valve.
3. Dirt Protector.
4. Control air valve.
5. Reducing valve.
6. Check valve.
7. Shuttle valve.
8. Bellous.
9. Pnenmatically controlled valve.
10. Shuttle valve.
11. Flow control valve.

U. Servomotor:

1. Piston assembly.
2. Disc holder assembly.
3. Cone assembly.

V. Governor

1. Governor complete.
2. Fly weight.

W. Scavage Air Pump :

1. Piston rod nut.
2. Piston rod locking plate.
3. Cylinder pin.
4. Piston rod.
5. Piston.
6. Scavage valve seat.
7. Scavage valve plates.

X. Miscellaneous :

- (i) Packings.
- (ii) Gaskets.
- (iii) Seals.
- (iv) Rubber rings 'O' rings.
- (v) Thermometers.
- (vi) Pressure gauges.
- (vii) Springs.
- (viii) Special springs.
- (ix) Ball and Roller bearing.
- (x) Rubber rings.
- (xi) Packings.
- (xii) Copper washer.
- (xiii) Copper gasket.

Sl. No.	Description of items.
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|----------|---------------------------------|
| (xiv) | Oil seal rings. |
| (xv) | Pipings. |
| (xvi) | Pins. |
| (xvii) | Bolts. |
| (xviii) | Nuts. |
| (xix) | Eight glasses. |
| (xx) | Needle bearing. |
| (xxi) | Oil seal. |
| (xxii) | Shims. |
| (xxiii) | Hydraulic tensioning type nut. |
| (xxiv) | Hydraulic tensioning type bolt. |
| (xxv) | Dowel pin. |
| (xxvi) | Bush. |
| (xxvii) | Chain. |
| (xxviii) | Sprocket. |
| (xxix) | Filter. |
| (xxx) | Mechanical seals. |
| (xxxi) | Circlip/Snap ring. |
| (xxxii) | Valve. |

7. Main Engine Pneumatic control system :

- (i) Spring.
- (ii) 'O' ring.
- (iii) Valve complete.
- (iv) Snap ring/circlip.
- (v) Washer.
- (vi) Diaphragm.
- (vii) Packing.
- (viii) Filter element.
- (ix) Seal ring.
- (x) Pressure reducing valve.
- (xi) Ring Valve.
- (xii) Piston.
- (xiii) Dust seat.
- (xiv) Piston ring.
- (xv) Piston packing.
- (xvi) 3 way valve.
- (xvii) Gasket.
- (xviii) 3 way magnetic valve.
- (xix) Bellofram.
- (xx) 4 way magnetic valve.
- (xxi) Rubber bush.
- (xxii) Oil seat.

AA. M.E. Cylindrical Lubricator :

- (i) Cylinder lubricator complete.
- (ii) Distributor.
- (iii) Double cone packing.
- (iv) Sealing ring.

Sl. No.	Description of items.
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AB. Exhaust Valve Grinder :

- (i) Anti-vibration mountings.
- (ii) Grinding wheels.

TOOLS FOR MAIN ENGINE**AC. General Tools :**

- (i) Combination spanner (various sizes)
- (ii) Single ended spanners (various sizes).
- (iii) Hammening spanner (various sizes).
- (iv) Double ended box spanner (various sizes).
- (v) Box spanner (various sizes).
- (vi) Ring spanner (various sizes).
- (vii) Socket Spanner (various sizes).
- (viii) Allen keys (various sizes).
- (ix) Screw driver (various sizes).
- (x) Angular screw driver (various sizes).
- (xi) Eye bolts (various sizes).
- (xii) Eye nuts (various sizes).
- (xiii) Grip screws (various sizes).
- (xiv) Pressing bolt (various sizes).
- (xv) Feeler gauge (various sizes).
- (xvi) Gease gun (various sizes).
- (xvii) Nose plier (various sizes).
- (xviii) Dowel pin extracting device (various sizes).
- (xix) Square hole ring spanner (various sizes).
- (xx) Tommy bar (various sizes).
- (xxi) Wire sling (various sizes).
- (xxii) Shackle (various sizes).
- (xxiii) Mandrel/Trammel gauges (various sizes).

AD. Crank Shaft and Thrust Brearing Tools :

- (i) Main bearing lifting device.
- (ii) Withdrawing device for main bearing lower half.
- (iii) Upper bearing shell lifting bracket.
- (iv) Jacking support for removing lower bearing shell.
- (v) Bearing cover lifting bracket.
- (vi) Withdrawing device for thrust bearing.
- (vii) Bridge gauge.
- (viii) Depth gauge.
- (ix) Gauge for levelling main bearing covers.
- (x) Device for dismantling main bearing shaft driving end.
- (xi) Hydraulic pulling adaptor.
- (xii) Bearing Cap Yoke.
- (xiii) Lifting riller.
- (xiv) Bracket for removal of bearing.
- (xv) Guide for bearing.
- (xvi) Tightening ring.

Sl. No.	Description of items.
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AE. Cylinder Liner Tools :

- (i) Cylinder liner removing device along with yoke and ring.
- (ii) Cylinder liner suspension pins.
- (iii) Exhaust port sealing ring.
- (iv) Inside micrometer.
- (v) Bore measuring standard gauge.
- (vi) Ladder for cylinder lines inspection.
- (vii) Liner grinding tool.
- (viii) Gauge for measuring position.

AF. Cylinder Cover Tools :

- (i) Pneumatic wrench.
- (ii) Cylinder cover lifting device.
- (iii) Spindle for cylinder head support.
- (iv) Hydraulic jack for tensioning tie rod.
- (v) Hydraulic jack.
- (vi) Grinding tool for exhaust valve.
- (vii) Grinding tool for fuel valve liner.
- (viii) Cutter for fuel valve liner.
- (ix) Fuel valve liner extractor.
- (x) Grinding tool for starting valve liner.
- (xi) Cutter for starting valve liner.
- (xii) Starting valve liner extracting device.
- (xiii) Safety valve liner grinding tool.
- (xiv) Cutter for safety valve liner.
- (xv) Extracting tool for safety valve liner.
- (xvi) Gauges/mandrel (various sizes types).

AG. Piston Tools :

- (i) Piston lifting device.
- (ii) Piston insertion cone.
- (iii) Piston rod assembly cone.
- (iv) Piston rod centering disc.
- (v) Piston crown template.
- (vi) Pressure screw.
- (vii) Piston stopper.
- (viii) Piston ring fitting and removing device.
- (ix) Taps.
- (x) Connecting pieces for telescopic pipes.
- (xi) Piston rod nut tightening device.
- (xii) Piston bolt tightening device.
- (xiii) Mandrel/Trammel gauges.
- (xiv) Bumping clearance measuring device.
- (xv) Gauge for piston rings.
- (xvi) Magnetic dial gauge.
- (xvii) Piston rod gland blanks.
- (xviii) Thread protecting caps.
- (xix) Hydraulic tightening and dismantling device including hydraulic
- (xx) Lifting tool for piston rod.
- (xxi) Tuning tool for piston rod.

Sl. No.	Description of items.
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AH. Piston Telescopic Pipe Seal Tools:

- (i) Pipe aligning pin.
- (ii) Sliding gague.
- (iii) Sealing plug.
- (iv) Telescopic pipe support bracket.
- (v) Sealing pieces.

AI. Crosshead Tools:

- (i) Holding pin for crosshead slipper.
- (ii) Crosshead suspension device.

AJ. Connecting Rod Tools:

- (i) Bracket for supporting con rod.
- (ii) Bracket for holding con rod.
- (iii) Con rod suspension device.
- (iv) Tensioning jacks for con rod bolts.
- (v) Cross head bearing dismantling device.
- (vi) con rod fixing device.
- (vii) Con rod support.

AK. Fuel Injector Tools:

- (i) Fuel injector testing pump.
- (ii) Gauge for checking nozzle holes.
- (iii) Tool for fitting and removing injector seat.
- (iv) Torque wrench.
- (v) Fuel valve drawing device.

AL. Starting Air Valve Tools:

- (i) Valve spring dismantling device.
- (ii) Valve seat tightening device.
- (iii) Valve with drawing device.
- (iv) Test bed.

AM. Camshaft and Camshaft Drive Tools:

- (i) Supports for camshaft dismantling.
- (ii) Hook spanner.
- (iii) Camshaft coupling extracting device.
- (iv) Adjusting and assembling device for camshaft drive.

AN. Fuel Pump Tools:

- (i) Dial gauges.
- (ii) Spill valve drawing device.
- (iii) Suction valve drawing device.
- (iv) Delivery valve drawing device.
- (v) Surface grinder.
- (vi) Plenger and barrel removing device.
- (vii) Pump lift.
- (viii) Grinding tool.
- (ix) Cutting tool.

Sl. No.	Description of items.
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AO. Miscellaneous:

- (i) Blank flanges.
- (ii) Tensioning belt.
- (iii) Indicator valve grinding tool.
- (iv) Indicator valve grinding tool.
- (v) Cap seal.
- (vi) Turbochanger blank flanges.
- (vii) Roller stand.
- (viii) Fit insert shelf.
- (ix) Feeler gauge.
- (x) Bolts.
- (xi) High Pressure hand pump.
- (xii) Adaptor for hand pump.
- (xiii) Branch piece for hydraulic tool.
- (xiv) High pressure hose.
- (xv) H.P. Coupling.
- (xvi) Planimeter.
- (xvii) Pressure gauge.
- (xviii) Trammel gauge.
- (xix) Sparrers (various sizes).
- (xx) Socket wrench set.
- (xxi) Alien keys.
- (xxii) Hydraulic pulling apparatus.
- (xxiii) Strong/back/yoke.

AP. Turbo Charger Tools:

- (i) Guide piece, tube and plate.
- (ii) Extension piece.
- (iii) Bearing extractor.
- (iv) Sleeve.
- (v) Rotor locking device.
- (vi) Lifting device.
- (vii) Rotor fixing tools.
- (viii) Hook spanner.

AQ. Auxiliary Blower:

- (i) Impeller removing device.

AR. Exhaust Valve Tools:

- (i) Lifting device for exhaust valve.
- (ii) Lifting device for valve seat.
- (iii) Grinding ring for exhaust valve.
- (iv) Exhaust valve grinding machine.
- (v) Setting and removal device for exhaust valve.
- (vi) Working stand for exhaust valve.
- (vii) Extracting tool for spindle guide.
- (viii) Neck band for exhaust valve spindle.
- (ix) Tightening gauge.
- (x) Ganges/Mandrel (various sizes).

Sl. No. Description of items.

2. SPARE PARTS FOR AUXILIARY ENGINE

1. Frame:

- (i) Main bearing in 2/2.
- (ii) Crank bearing in 2/2.
- (iii) Main bearing bolt assembly.
- (iv) Crank pin bearing bolt assembly.
- (v) Thrust bearing.

2. Crankshaft :

- (i) Gear Wheel.
- (ii) Oil throw ring in 2/2.

3. Cylinder Liner and Cylinder Cover :

- (i) Cylinder liner.
- (ii) Cylinder cover with studs, valve seats.
- (iii) Indicator valve.
- (iv) Spindle for same.
- (v) Valve seat.
- (vi) Liner for fuel valve.
- (vii) Valve guide.
- (viii) Starting valve complete.
- (ix) Starting valve spindle.
- (x) Zinc protection valves.

4. Piston and Connecting Rod :

- (i) Piston complete with connecting rod.
- (ii) Piston ring.
- (iii) Scraper ring, spring loaded.
- (iv) Scraper ring, normal dimension.
- (v) Piston pin.
- (vi) Connecting rod without bearing shells.
- (vii) Crank bearing/bearing shells.
- (viii) Bush for same.
- (ix) Bolt with nut/screw.

5. Camshaft :

- (i) Camshaft bearing AFT.
- (ii) Camshaft bearing intermediate.
- (iii) Coupling.
- (iv) Gearwheel.

6. Valve Gear :

- (i) Push rod.
- (ii) Rocker arm (exhaust).

Sl. No.	Description of items.
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| | (iii) Bush for rocker arm. |
| | (iv) Rocker arm (inlet). |
| | (v) Bush for rocker arm. |
| | (vi) Thrust screw (bullet) with nut. |
| | (vii) Shaft for rocker arm. |
| | (viii) Bracket for same (outlet). |
| | (ix) Bracker for same (Inlet). |
| | (x) Roller Guide complete. |
| | (xi) Aoller for same. |
| | (xii) Pin for same. |
| | (xiii) Bush for same. |
| | (xiv) Top shield. |

7. Turbo Charger :

- (i) Rotor.
- (ii) Nozzle ring.
- (iii) Bearings.

8. Inlet and Exhaust Valve Spindle :

- (i) Exhaust valve complete.
- (ii) Exhaust valve spring.
- (iii) Inlet valve complete.
- (iv) Inlet valve spindle.
- (v) Conical ring.
- (vi) Spring retainer.
- (vii) Aotocap.

9. Fuel Pump :

- (i) Fuel pump complete.
- (ii) Plunger and barrel.
- (iii) Regulating arm.
- (iv) Non-return valve.
- (v) Roller guide complete.
- (vi) Roller for same.
- (vii) Pin for same.
- (viii) Bush for same.
- (ix) Thrust piece for roller guide.
- (x) Delivery valve.

10. Fuel Valve :

- (i) Fuel valve complete.
- (ii) Atomizer.
- (iii) Union.
- (iv) Adjusting screen.
- (v) Thrust spindle.
- (vi) Edge type filter.
- (vii) Pipe connection.
- (viii) Thrust spindle.
- (ix) Fuel valve nozzle.

Sl. No.	Description of items.
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11. Relief Valve :

- (i) Relief valve complete.
- (ii) Relief valve spindle.

12. Fuel Oil Primary Pump :

- (i) Rotating packing for fuel oil primary pump.
- (ii) Fuel oil filter insert.
- (iii) Overflow valve complete.
- (iv) Shaft w. gear wheel.
- (v) Bush for same.
- (vi) Shaft w. gear wheel.

13. Lubricant Oil Pump :

- (i) Bush.
- (ii) Relief valve complete.
- (iii) Pump complete.
- (iv) Gear for pump.

14. Lubricant Oil System :

- (i) Filter insert.
- (ii) Filter element.
- (iii) Oil thrower.
- (iv) Luboil pump.

15. Miscellaneous :

For use in the auxiliary engines irrespective of type and size.

- (i) High temperature thermometers.
- (ii) Low temperature thermometers.
- (iii) Oil seals.
- (iv) Mechanical seals.
- (v) Mouth rings/wear ring.
- (vi) Springs.
- (vii) 'O' rings.
- (viii) Gaskets.
- (ix) Ball/Roller bearings.
- (x) Bolts.
- (xi) Studs.
- (xii) Brusting disc/safety plug.
- (xiii) Packings.
- (xiv) Valves.
- (xv) Valve shaft.
- (xvi) Valve bush.
- (xvii) Small cylinders.
- (xviii) Small pistons.
- (xix) Washer.

Sl. No.	Description of items.
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- (xx) Zinc protection.
- (xxi) Copper washer.
- (xxii) Diaphragm.
- (xxiii) Circlip/Snap ring.
- (xxiv) Filter element.
- (xxv) Pressure reducing valve assembly.
- (xxvi) Seal rings.

16. Turbo Charger Spares:

- (i) Bearing unit (blower side).
- (ii) Bearing unit (turbine side).
- (iii) Sealing bush.
- (iv) Gland strip and canking wire.
- (v) Spring washer.

17. Woodward Governor :

- (i) Pin.
- (ii) Thrust bearing.
- (iii) Oil seal.
- (iv) Washer.
- (v) Circlip.
- (vi) Flyweight.
- (vii) Sleeve.
- (viii) Spindle.

18. Tools for Auxiliary Engines :

- (i) Eye bolt (various sizes and types).
- (ii) Spanners (various sizes and types).
- (iii) Plier.
- (iv) Screw driver (various sizes).
- (v) Hammer (various sizes).
- (vi) Tommy bar.
- (vii) Nozzle cleaning tool.
- (viii) Insert/pull device for cylinder liners.
- (ix) Piston lifting device.
- (x) Piston insert device.
- (xi) Band for piston pin cap.
- (xii) Cylinder head lifting device.
- (xiii) Valve cage removing device.
- (xiv) Valve spring removing device.
- (xv) Inlet/exhaust valve grinding tool.
- (xvi) Fuel oil priming liner.
- (xvii) Hook spanner for camnut.
- (xviii) Fuel pump delivery valve extractor.
- (xix) Circlip remover.
- (xx) Turbocharger blank plate assembly.
- (xxi) Peak pressure gauge.
- (xxii) Fuel valve testing pump.
- (xxiii) Deflection gauge.

Sl. No.	Description of items.
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| (xxiv) | Bridge gauge. |
| (xxv) | Inside micrometer. |
| (xxvi) | Position gauge. |
| (xxvii) | Feeler gauge. |
| (xxviii) | Torque wrench. |
| (xxix) | Mainbearing insert cap. |
| (xxx) | Mandrel/Trammel gauges. |

19. Turbo Charger Tools (in Tool Box):

- (i) Spanners (various types and sizes).
- (ii) Mandrel/Trammel gauges.
- (iii) Bearing extractor.
- (iv) Rotor fixings tool.
- (v) Distance piece.
- (vi) Bolts.
- (vii) Eye bolt/nut.

3. SPARES FOR SMALL DIESEL ENGINES USUALLY FITTED IN LIFEBOAT EMERGENCY FIRE PUMP, EMERGENCY COMPRESSORS

- (i) Cylinder cover.
- (ii) Cylinder liner.
- (iii) Piston.
- (iv) Packings.
- (v) Jointings.
- (vi) Springs.
- (vii) Nuts.
- (viii) Bolts.
- (ix) Studs.
- (x) Ball bearings/Roller bearing.
- (xi) Main bearing.
- (xii) Connecting rod bottom end bearing.
- (xiii) Piston pin.
- (xiv) Piston bush.
- (xv) Thrust bearing.
- (xvi) Inlet valve.
- (xvii) Exhaust valve.
- (xviii) Gaskets.
- (xix) Piston rings.
- (xx) Fuel pump.
- (xxi) Fuel pump punjar and barrel.
- (xxii) Fuel pump delivery valve.
- (xxiii) Fuel injection valve.
- (xxiv) Fuel injection pipe.
- (xxv) Valve seat for inlet valve.
- (xxvi) Valve seat for exhaust valve.
- (xxvii) Collet.

Sl. No.	Description of items.
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4. AIR COMPRESSORS

(Main, Control and Emergency)

- (i) L. P. Suction and delivery valve complete.
- (ii) L. P. Suction valve complete.
- (iii) I. P. Delivery valve complete.
- (iv) H. P. Suction valve complete.
- (v) H. P. Delivery valve complete. Leaf spring for valve.
- (vi) L. P. Piston rings.
- (vii) I. P. Piston rings.
- (viii) H. P. Piston rings.
- (ix) Rider ring.
- (x) Expender ring.
- (xi) Oil scraper ring.
- (xii) Connecting rod.
- (xiii) Connecting rod top end bush.
- (xiv) Piston pin.
- (xv) Connecting rod bottom end bearing.
- (xvi) Main bearing.
- (xvii) Thurst bearing.
- (xviii) Inter cooler elements.
- (xix) L. P. safety valve.
- (xx) I. P. safety valve.
- (xxi) H. P. safety valve.
- (xxii) Suction strainer.
- (xxiii) Valve disc. for magnet valve.
- (xxiv) Bolts.
- (xxv) Nuts.
- (xxvi) Stud.
- (xxvii) Springs.
- (xxviii) Gaskets.
- (xxix) 'O' ring/rubber ring.
- (xxx) Oil strainer.
- (xxxi) Oil seal.
- (xxxii) Valve plate.

5. AUXILIARY BOILER

- (i) Plain tube.
- (ii) Stay tube.
- (iii) Manhole door gasket.
- (iv) Refractory.
- (v) Fire brick.
- (vi) Anchor.
- (vii) Boiler gauge glass.
- (viii) Boiler gauge glass cover.
- (ix) Reflex glass.
- (x) Atomiser.
- (xi) Sprayer.
- (xii) Valve for sprayer.

Sl. No.	Description of items.
(xiii)	Fuel oil pump.
(xiv)	Motor for fuel pump.
(xv)	Motor for forced draft fan.
(xvi)	Ignition electrode.
(xvii)	Plug for stay tube.
(xviii)	Plug for plain tube.
(xix)	Boiler water telt kit complete with chemicals.
(xx)	Screw down check valves.
(xxi)	Springs.
(xxii)	Gaskets.
(xxiii)	Gland packing.
(xxiv)	'O' ring.
(xxv)	Rubber coupling.
(xxvi)	Straners.
(xxvii)	Ball/Roller bearings.
(xxviii)	Coil.
(xxix)	Magnetic valve.
(xxx)	Heater element.
(xxxi)	Filter.
(xxxii)	Diaphragm.
(xxxiii)	Pressure gauge.
(xxxiv)	Test gag.
(xxxv)	Spring block.
(xxxvi)	Disc and seat for check valve.
(xxxvii)	Sleeve packing.
(xxxviii)	Salinity cell.
(xxxix)	Pilot burner.
(xl)	Sprayer body.

Tools for Aux Boiler :

- (i) Spanners various types and sizes.
- (ii) Scraper.
- (iii) Hammer.
- (iv) Wire brush.
- (v) Tube expander.
- (vi) Ratchet handle.
- (vii) Nozzle seat dismantling device.
- (viii) Lapping tool.
- (ix) Test gag.
- (x) Hand lance for tube element.
- (xi) Cleaning brush.
- (xii) Scaling brush.
- (xiii) Hydrometer.

6. EXHAUST GAS ECONOMISER

- (i) Heating tube element.
- (ii) Test gag for safety valve.
- (iii) Lapping tool for safety valve.
- (iv) Packings.

Sl. No.	Description of items.
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- (v) Joints.
- (vi) Springs.
- (vii) Test gag.
- (viii) Plug.
- (ix) Spring block.

7. Centrifugal Pump

Following spares for each centrifugal pump on board:

- (i) Shaft assembly complete.
- (ii) Impeller.
- (iii) Metal bearings.
- (iv) Wear ring/mouth ring.
- (v) Vane for air extraction unit.
- (vi) Rotor for air extraction unit.
- (vii) Shaft for air extraction unit.
- (viii) Coupling bolt complete with ring and nut.
- (ix) Sleeve.
- (x) Gland packing.
- (xi) Mechanical seal.
- (xii) Ball bearings.
- (xiii) Oil seal.
- (xiv) Spring.
- (xv) Bush.
- (xvi) Submerged bearing.
- (xvii) Felt ring.
- (xviii) Nuts.

8. RECIPROCATING PURE SPARES (FOR EACH RECIPROCATING PUMP)

- (i) Suction delivery valve assembly.
- (ii) Bucket ring.
- (iii) Bucket.
- (iv) Bucket rod.
- (v) Connecting rod.
- (vi) Crosshead assembly.
- (vii) Crank bearings.
- (viii) Reamer bolts.
- (ix) Tolls supplied by manufacturer.
- (x) Valve guard.
- (xi) Valve spring.
- (xii) Delivery valve.
- (xiii) Valve seat disc.
- (xiv) Suction valve.
- (xv) Cylinder liner.
- (xvi) Lift bolt.
- (xvii) Ball bearing/Roller bearings.
- (xviii) Springs.
- (xix) Metal bearings.
- (xx) Felt ring.
- (xxi) oil seal.

Sl. No.	Description of items.
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9. GEAR PUMP

(Spares for each gear pump on board)

- (i) Driving gear assembly.
- (ii) Driven gear assembly/idler gear assembly.
- (iii) Coupling bolt assembly.
- (iv) Relief valve complete.
- (v) Metal bearing/bush.
- (vi) Shaft.
- (vii) Bearing bush.
- (viii) Ball bearings.
- (ix) Gland bearings.
- (x) Oil seal.
- (xi) Mechanical seal.
- (xii) 'O' rings.
- (xiii) Gasket.
- (xiv) Roller bearings.
- (xv) Thrust bearings.
- (xvi) Springs.
- (xvii) Thrust washer.

10. SCREW PUMP

Following spares for each screw pump in US.

- (i) Driving screw assembly.
- (ii) Driver screw assembly.
- (iii) Metal bearing/bush.
- (iv) Relief valve assembly.
- (v) Coupling bolt assembly.
- (vi) Bearing bush.
- (vii) Bearing seal.
- (viii) Balance piston.
- (ix) Thrust seal.
- (x) Sleeve.
- (xi) Coupling bolt with ring and nut.
- (xii) Mechanical seal.
- (xiii) Spring.
- (xiv) Side plate.
- (xv) Needle bearings.
- (xvi) Pump Shaft.
- (xvii) Bearing sleeve.
- (xviii) Gear wheel.

11. MOHNO PUMP

Following spares for each Mohno type on board.

- (i) Stator.
- (ii) Rotor.
- (iii) Safety valve complete.

Sl. No.	Description of items.
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- (iv) Gland packing.
- (v) Sleeve bearing.
- (vi) Tools supplied by manufacturers.
- (vii) Ball bearings.
- (viii) 'O' ring.
- (ix) 'V' belt.

12. PURIFIERS (for fuel oil, Diesel oil and Lub. oil)

Following spares for each centrifugal purifier on board:

- (i) Gravity disc.
- (ii) Gear bush.
- (iii) Gear pump.
- (iv) Friction block.
- (v) Rubber rings.
- (vi) 'O' rings.
- (vii) Brake lining.
- (viii) Packings.
- (ix) Gaskets.
- (x) Disc.
- (xi) Springs.
- (xii) Ball bearings.
- (xiii) Washer.
- (xiv) Oil seal.
- (xv) Bush.
- (xvi) Spiral gear.
- (xvii) Bowl bush.
- (xviii) Drive shaft.
- (xix) Diaphragm assembly.
- (xx) Sparing disc.
- (xxi) Gear.
- (xxii) Vertical shaft.
- (xxiii) Gear bush.

Tools for Purifier

- (i) Spanner for bowl nut.
- (ii) Circular handle.
- (iii) Bowl hood lifting tool.
- (iv) Bowl body lifting tool.
- (v) Lower bearing lifting tool.
- (vi) Jack.
- (vii) Bolt.
- (viii) Push plate for jack.
- (ix) Push bar.
- (x) Pin spanner.
- (xi) Cap nut.
- (xii) Lifting tools.
- (xiii) Push plate.
- (xiv) Dismantling stand.

Sl. No.	Description of items.
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- (xv) Allen keys.
- (xvi) Hook spanners.
- (xvii) Spanners.

13. OILY WATER SEPARATOR

- (i) Prefilter cartridge.
- (ii) Coalser cartridge.
- (iii) Cover ring.
- (iv) Pressure gauge.
- (v) Cone assembly.
- (vi) Springs.
- (vii) Cone assembly.
- (viii) Springs.
- (ix) Gasket.
- (x) Diaphragm.

14. LATHE/UNIVERSAL MACHINE

- (i) Gears.
- (ii) Follow rest.
- (iii) Steady rest.
- (iv) Face.
- (v) Dog plate.
- (vi) Four jam check.
- (vii) Three jam check.
- (viii) Centre.
- (ix) 'T' socket wrench.
- (x) Set of lathe tools.
- (xi) Thread gauge.
- (xii) Dog.
- (xiii) Scriber block.
- (xiv) Outside compass.
- (xv) Inside compass.
- (xvi) Wrench.

15. DRILLING MACHINE

- (i) Drift.
- (ii) Shank for drill check.
- (iii) Set of drills.
- (iv) Drill sleeve.
- (v) 'V' block.
- (vi) Swivel nice.
- (vii) Drill chuck.
- (viii) Swivel vice.
- (ix) Handle.

16. MILLING MACHINE

- (i) Cutter.
- (ii) Metal saw.
- (iii) Side cutter.
- (iv) Arbor.

Sl. No.	Description of items.
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17. BENCH GRINDER

- (i) Stone (Grinding).
- (ii) Safety cover.

18. FRESH WATER GENERATOR

- (i) Heating tube.
- (ii) Cooling tube.
- (iii) Nozzle for ejector.
- (iv) Level glass.
- (v) Screw for filters.
- (vi) Spring.
- (vii) Packing.
- (viii) Corrosion plate.
- (ix) Solenoid valve.
- (x) Solenoid valve seat.

19. HEAT EXCHANGERS

- (i) Cooling tube.
- (ii) Flaring tools.
- (iii) Tube removing tool.
- (iv) Tube cleaner.
- (v) Plate for plate type heat exchanger.
- (vi) Corrosion plate.
- (vii) Packings.
- (viii) Joints.

Tools For Heat Exchanger

- (i) Tube expander.
- (ii) Flaring tool.
- (iii) Tube removing tool.
- (iv) Tube cleaner.
- (v) Steam valve.
- (vi) Soda valve.
- (vii) Hopper.

20. ENGINE ROOM VENT FAN

- (i) Ball bearings.
- (ii) Impeller.
- (iii) Puller.

21. INCIDENTOR

- (i) Bearing.
- (ii) Pressure gauge.
- (iii) Strainer.
- (iv) Electrode.
- (v) Nozzle tip.
- (vi) Solenoid valve.
- (vii) Packing.
- (viii) Jointing.

Sl. No. Description of items.

22. OVERHEAD CRANE

- (i) Rack.
- (ii) Massanger wire.
- (iii) Eye plate.
- (iv) Turnckle.
- (v) Cable hanger.
- (vi) Thimble.
- (vii) Wire clip.
- (viii) Motor pinion.
- (ix) Friction ring.
- (x) Friction ring.
- (xi) Maanetic brake disc.
- (xii) Stationery plate.
- (xiii) Wire rope.
- (xiv) Ball berings.
- (xv) Magnetic coil.
- (xvi) Spring.
- (xvii) Bolt.

Tools

- (i) Puller.
- (ii) Extracting plate.
- (iii) Hammer.
- (iv) Wrench.
- (v) Spanner.

23. CONTROL AIR DRIER

- (i) Pilot valve assembly.
- (ii) 'O' ring.
- (iii) Gasket.
- (iv) Disc.
- (v) Sleeve seal.
- (vi) Piston seal.
- (vii) Piston.
- (viii) Pin.
- (ix) Cartridge filter.
- (x) Gromet.
- (xi) Charging connection.
- (xii) Valves.

24. AIR HORN

- (i) Magnet valve.
- (ii) Spring.
- (iii) Diaphragm.
- (iv) Valve disc.

25. STERILISER

- (i) Chorine injection valve.
- (ii) Mixing bar.
- (iii) Chlorine testing kit.

Sl. No.	Description of items.
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Tools

- (i) Wrench.
- (ii) Spanner.
- (iii) Firebox.

26. STEAM TRAP**27. MINI FILTERS**

- (i) Teflon ring.
- (ii) 'O' ring.
- (iii) Spring.
- (iv) Filter case.
- (v) Filter element.

28. STRAINER AND MUD BOX

- (i) Filter drum (various sizes).
- (ii) 'O' ring.
- (iii) Gaskets.
- (iv) Wire net.
- (v) Mud box.

29. TEMPERATURE AND PRESSURE CONTROL VALVES

- (i) Diaphragm assembly
- (ii) Diaphragm.
- (iii) 'O' ring.
- (iv) Diaphragm for pilot valves.
- (v) Scree/Strainer.
- (vi) Piston ring.
- (vii) Spring.
- (viii) Thermo bullos.

30. REDUCING VALVE

- (i) Spring.
- (ii) Diaphragm.
- (iii) Filter.
- (iv) Gasket.

31. PROPELLER AND SHAFTING

- (i) Propeller.
- (ii) Propeller nut.
- (iii) Coupling bolt and nut.
- (iv) Jack bolt.
- (v) Chain block.
- (vi) Tailshaft.
- (vii) Hydraulic tightening unit.
- (viii) 'C' Spanner.

Sl. No.	Description of items.
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32. SIMPLEX SEAL

- (i) Rubber ring.
- (ii) Flange packing.
- (iii) Wear down gauge.
- (iv) Mounting strap.
- (v) Transport tool.
- (vi) Drawing bolt/jack bolt.

33. GENERAL TOOLS

- (i) Dial gauge.
- (ii) Outside micrometer.
- (iii) Vernier callipers.
- (iv) Inside micrometer.
- (v) Tachometer.
- (vi) Surface gauge.
- (vii) Straight edge.
- (viii) Square.
- (ix) Feeler gauge.
- (x) Outside callipers.
- (xi) Inside callipers.
- (xii) Steel scale.
- (xiii) Sounding tape.
- (xiv) Thermometer holder.
- (xv) Thermometer.
- (xvi) Spring balance.
- (xvii) Portable electric grinder.
- (xviii) Set of drills.
- (xix) Single ended open spanner.
- (xx) Double ended open spanner.
- (xxi) Box spanner.
- (xxii) Adjustable wrench.
- (xxiii) Pipe wrench.
- (xxiv) Screw driver.
- (xxv) File.
- (xxvi) Files.
- (xxvii) File handles.
- (xxviii) Hammer handle.
- (xxix) Chipping hammer.
- (xxx) Scraper.
- (xxxi) Centre punch.
- (xxxii) Hole punch.
- (xxxiii) Chisels.
- (xxxiv) Scissors.
- (xxxv) Hacksaw frame.
- (xxxvi) Hacksaw blade.
- (xxxvii) Packing tool.
- (xxxviii) Oil stone.
- (xxxix) Blow lamp.
- (xl) Flashlight.

Sl. No.	Description of items.
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- | | |
|-----------|----------------------------|
| (ixl) | Oil feeder. |
| (viii) | Grease gum. |
| (viii) | Wire brush. |
| (vii) | Paint brush. |
| (vi) | Shackle. |
| (iv) | Wedge. |
| (iii) | Eye bolt. |
| (iii) | Steel washer. |
| (ii) | Split pin. |
| (i) | Taps dies with case. |
| (li) | Lead hammer. |
| (lii) | Sledge hammer. |
| (liii) | Oil pin. |
| (liv) | Oil hopper/Funnel. |
| (lv) | Crow bar. |
| (lvi) | Surface plate. |
| (lvii) | Anvil. |
| (lviii) | Screw jack. |
| (lix) | Kettle. |
| (lx) | Bucket. |
| (lxi) | Paint pot. |
| (lxii) | Beam grab. |
| (lxiii) | Aluminium foot stool. |
| (lxiv) | Tackle and fall. |
| (lxv) | Wire sling. |
| (lxvi) | Rope sling. |
| (lxvii) | Rubber hose with coupling. |
| (lxviii) | Flexible metal hose. |
| (lxix) | Steel plate. |
| (lxx) | G. I. plate. |
| (lxxi) | Steel wire. |
| (lxxiii) | Copper plate. |
| (lxxiv) | Asbestos sheet. |
| (lxxv) | File brush. |
| (lxxvi) | Listening rod. |
| (lxxvii) | Valve spanner. |
| (lxxviii) | Chain block. |
| (lxxix) | Smith tong. |

34. GAS WELDING AND CUTTING APPARATUS

- | | |
|-------|-------------------------|
| (i) | Oxygen gas cylinder. |
| (ii) | Acetelene gas cylinder. |
| (iii) | Cutting torch. |
| (iv) | Welding torch. |
| (v) | Welding nozzle. |

35. AIR CONDITIONING UNIT

- | | |
|------|---------------------------|
| (i) | Discharge valve complete. |
| (ii) | Suction valve complete. |

Sl. No. Description of items.

- (iii) Piston ring.
- (iv) Brush bearing.
- (v) Strainers.
- (vi) Relief valve.
- (vii) Crank case heater.
- (viii) Connecting rod assembly.
- (ix) Valve cage.
- (x) Valve seat.
- (xi) Piston.
- (xii) Piston pin.
- (xiii) Cylinder liner.
- (xiv) Crankshaft.
- (xv) Oil pump assembly.
- (xvi) Capacity control valve.
- (xvii) Unloader power unit.
- (xviii) Unloader sleeve.
- (xix) Dual pressure switch.
- (xx) Water pressure switch.
- (xxi) Oil pressure switch.
- (xxii) Thermostat.
- (xxiii) Condenser bulb.
- (xxiv) Safety valve.
- (xxv) Drier cartridge.
- (xxvi) Steam regulator.
- (xxvii) Expansion valve.
- (xxviii) Gas leak detector.
- (xxix) Alcohol.
- (xxx) Refrigerant charging pipe.
- (xxxi) Shaft seal.
- (xxxii) Solenoid valve.
- (xxxiii) Hand regulating valve.
- (xxxiv) Strainer.
- (xxxv) Dial thermometer.
- (xxxvi) Defrost heater.
- (xxxvii) Drain pipe heater.
- (xxxviii) Bearing base.
- (xxxix) Bearing plate.
- (xl) Bearing tube.
- (ixl) Metal bearing.
- (viii) Spring.
- (viii) Packing.
- (vii) Gasket.
- (vi) 'V' belt.
- (iv) Pressre gauge.
- (iii) Thermometer.
- (ii) Zinc protector.
- (il) Condenser tube.
- (l) Ball bearing.
- (li) Air filter.

Sl. No.	Description of items.
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Tools.

- (i) Tube expander.
- (ii) Leak detector.
- (iii) Tube stopper.
- (iv) Charging unit.

36. DOMESTIC AND REEFER CARGO PLANT

- (i) Thrust bearing.
- (ii) Shaft seal assembly.
- (iii) Oil pump assembly.
- (iv) Piston complete.
- (v) Piston ring.
- (vi) Piston pin.
- (vii) Piston pin bush.
- (viii) Connecting rod complete.
- (ix) Bottom end bearing.
- (x) Suction valve assembly.
- (xi) Discharge valve assembly.
- (xii) Plate valve assembly.
- (xiii) Sleeve bearing.
- (xiv) Crank case heater.
- (xv) Crankshaft.
- (xvi) Dual pressure switch.
- (xvii) Oil protection switch.
- (xviii) Pressure switches for capacity unloader.
- (xix) Condenser tube.
- (xx) Evaporator press. regulating valve.
- (xxi) Pilot valve.
- (xxii) P.I. regulator.
- (xxiii) Expansion valve.
- (xxiv) Solenoid valve.
- (xxv) Liquid injection valve.
- (xxvi) Packingless valve.
- (xxvii) Copper pipe.
- (xxviii) Axial fan assembly.
- (xxix) Silicon grease.
- (xxx) Unloader sleeve.
- (xxxi) Tube plug.
- (xxxii) Thermometer.
- (xxxiii) Pressure gauge.
- (xxxiv) Gaskets.
- (xxxv) Joints.
- (xxxvi) 'O' rings.
- (xxxvii) Spring.
- (xxxviii) Ball bearing/Roller bearings.
- (xxxix) Mechanical seal.

37. SEWAGE TREATMENT PLANT

- (i) Air diffuser.
- (ii) Sampling test kit.

Sl. No.	Description of items.
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- (iii) Tablet container.
- (iv) Tabletse.
- (v) Discharge pump complete.
- (vi) Seal assembly.
- (vii) Impeller.
- (viii) Shaft.
- (ix) Vane.
- (x) Filter.

38. STEERING GEAR

- (i) Safety valve.
- (ii) Backup ring for safety valve.
- (iii) Ball for safety valve.
- (iv) Flexible hose.
- (v) Scraper/ring for hydraulic cylinder.
- (vi) Piston packing.
- (vii) Rod packing.
- (viii) Shaft seal for vane pump.
- (ix) Solenoid.
- (x) Packing for hydraulic cylinder.
- (xi) Packing.
- (xii) Springs.
- (xiii) Rubber rings.
- (xiv) 'O' ring.
- (xv) Conrod and piston.
- (xvi) Thrust bearing.
- (xvii) Radial bearing.
- (xviii) Needle bearing.
- (xix) Ball bearing.
- (xx) Oil seal.
- (xxi) Snaprin /airclip.
- (xxii) Tools as supplied by manufacturer.

39. WINDLESS SPARES

- (i) Brake linings.
- (ii) Slipping clutch disc. spring.
- (iii) Slipping clutch brake lining.
- (iv) Roller chain.
- (v) Oil seal.
- (vi) Seal packings.
- (vii) Pinion bush.
- (viii) Tools for torque setting.
- (ix) Springs.
- (x) Washer.
- (xi) 'O' ring.
- (xii) Hock valve.
- (xiii) Filter element.
- (xiv) Circlip/snapring.

Tools:

As supplied by manufacturers.

Sl. No.	Description of items.
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40. MOORING WINCH

- (i) Brake lining.
- (ii) Oil seal.
- (iii) Seal packing.
- (iv) Springs.
- (v) Washer.
- (vi) 'O' ring.
- (vii) Filter.
- (viii) Circlip.
- (ix) Rubber rings.
- (x) Jointing.
- (xi) Packing.
- (xii) Oil seal.
- (xiii) Ball/Roller bearings.

Tools:

As supplied by manufacturers.

41. WINCH

- (i) Brake lining.
- (ii) Brake assembly.
- (iii) Oil seal.
- (iv) Metal bearing.
- (v) Brake oil.

Tools :

As supplied by makers.

42. DECK CRANE

- (i) Brushes.
- (ii) Brush holder.
- (iii) Friction pad.
- (iv) Adjusting key.
- (v) Flexible shaft.
- (vi) Oil seal.
- (vii) Springs.
- (viii) Bolt.
- (ix) Pressure pad assembly.
- (x) Locking plate.
- (xi) Flexible hose.
- (xii) 'O' ring.
- (xiii) Snap ring.
- (xiv) Check valve.
- (xv) Solenoid valve.
- (xvi) Filter.

Tools :

As supplied by makers.

Sl. No. Description of items.

43. (A) COODING EQUIPMENT DISPOSER

- (i) Crushing blade.
- (ii) Inner tooth with lock washer.
- (iii) Revolving knife.
- (iv) Blade disc puller.
- (v) Ball bearings.

(B) ELECTRIC RANGE BAKE OVERN

- (i) Pans.
- (ii) Hot plate.
- (iii) Heater.

(C) ELECTRIC WATER BOILER

- (i) Heating element.

(D) DOUGH MIXER

- (i) Ball bearing.
- (ii) 'V' belt.

(E) POTATO PEELER

- (i) Ball bearing.
- (ii) 'V' belt.

(F) UNIVERSAL COOKING MACHINE

- (i) Chopper.
- (ii) Stick.
- (iii) Knife.
- (iv) Chopper plate.
- (v) Coffee mill.
- (vi) Hopper.
- (vii) Mixing bowl.
- (viii) Flat beater.
- (ix) Anchor hook.
- (x) Whip.
- (xi) Case.
- (xii) Quarter plate.
- (xiii) Shoulder plate.
- (xiv) Juliene plate.
- (xv) French fry plate.
- (xvi) Slicer plate.
- (xvii) Shaft.
- (xviii) Ball bearing.

(G) COFEE URN.

- (i) Heater.
- (ii) Thermotal.

Sl. No.	Description of items.
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(H) TOASTER.

(i) Element.

44. MOORING FITTINGS.

- (i) Anchor.
- (ii) Stream anchor.
- (iii) Anchor chain cable.
- (iv) Tow line.
- (v) Hawser.
- (vi) Mooring rope.
- (vii) Mooring wire.
- (viii) Stream anchor wire.
- (ix) Anchor shackle.
- (x) Joining shackle.
- (xi) Disengaging device for joining shackle.
- (xii) Anchor buoy.
- (xiii) Market buoy.
- (xiv) Anchor stopper.
- (xv) Chain stopper.
- (xvi) Heaving line.
- (xvii) Steel snatch block.
- (xviii) Oval link.
- (xix) Joining shackle.
- (xx) Kenter shackle.
- (xxi) Buoy shackle.
- (xxii) Buoy hook.
- (xxiii) Anchor buoy.
- (xxiv) Chain hook.
- (xxv) Pin punch.
- (xxvi) Hammer.

45. NAUTICAL INSTRUMENT.

- (i) Compass.
- (ii) Azimuth.
- (iii) Chronometer.
- (iv) Clock.
- (v) Barometer.
- (vi) Sextant.
- (vii) Fog horn.
- (viii) Bell.
- (ix) Gong.
- (x) Hand leads.
- (xi) Thermometer.
- (xii) Parallel rulers.
- (xiii) Set squares.
- (xiv) Dividers.
- (xv) International code books.
- (xvi) International code of signals.
- (xvii) Set of ensign flags.

Sl. No. Description of items.

46. MISCELLANEOUS DECK ITEMS.

- (i) Steel snatch block.
- (ii) Wooden blocks.
- (iii) Pilot ladder.
- (iv) Chain block.
- (v) Rope net.
- (vi) Wooden plug for pipe.
- (vii) Plug handle.
- (viii) Sounding tape.
- (ix) Stop watches.
- (x) Megaphone.
- (xi) Mosquito screen.
- (xii) Glass for porthole.
- (xiii) Cargo block.
- (xiv) Cargo block sheave.

47. SPARES FOR HATCH COVERS.

- (i) Pads.
- (ii) Dog belt.
- (iii) Rubber joining compound.
- (iv) Dog belt handle.
- (v) Running roller.
- (vi) Cleat.
- (viii) Clamp.

48. LIFE SAVING ITEMS

- (i) Inflatable life raft.
- (ii) Life jackets.
- (iii) Life buoys.
- (iv) Life line throwing line.
- (v) Self activating smoke signal.
- (vi) Self igniting lights.
- (vii) Parachute distress signal.

49. FIRE-FIGHTING ITEMS

- (i) Portable fire extinguisher.
- (ii) Spare charges.
- (iii) CO₂ type fire extinguisher.
- (iv) Hose mask with helmet.
- (v) Self-contained breathing apparatus.
- (vi) Safety lamp.
- (vii) Fire axe.
- (viii) Fire bucket.
- (ix) Hoses with nozzle.
- (x) Hose adopter.
- (xi) International shore connection.

Sl. No. Description of items.

50. CO₂ FIRE EXTINGUISHING SYSTEM

- (i) Heating element for soap kettle.
- (ii) Heating element for water boiler.
- (iii) Heating element for coffee user.
- (iv) Heating element for toaster.
- (v) Heating element for hot press.
- (vi) Audio lamp socket.
- (vii) Flare stopper.
- (viii) Detecting box.
- (ix) Lens Fixture.
- (x) Ball bearings.
- (xi) Cds Cell.
- (xii) Weighing device.
- (xiii) Charging tool.
- (xiv) Plug.
- (xv) Cylinder cap.

51. BOAT WINCH

- (i) Ball bearings.
- (ii) Oil seal.
- (iii) Spring.
- (iv) Brake lining.
- (v) Tools as supplied by maker.
- (vi) Hoisting liner.

52. LIFE BOAT

- (i) Oar.
- (ii) Crutch.
- (iii) Boat hook.
- (iv) Plug.
- (v) Bailer.
- (vi) Rudder and tiller.
- (vii) Lamp.
- (viii) Match box.
- (ix) Oil.
- (x) Compass.
- (xi) Mast and seal.
- (xii) Life line.
- (xiii) Sea anchor.
- (xiv) Food ration.
- (xv) First aid kit.
- (xvi) Grab line.
- (xvii) Flash light.
- (xviii) Signalling mirror.
- (xix) Jack knife.
- (xx) Bearing line.
- (xxi) Manual pump.
- (xxii) Locker.

Sl. No.	Description of items.
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- (xxiii) Fishing tackle.
- (xxiv) Tarpauline cover.
- (xxv) Jacob ladder.
- (xxvi) Fire extinguisher.
- (xxvii) Tools for engine.
- (xxviii) Lubricating oil.

Steam Turbines (used for turbo alternator, Cargo Pump windlass, etc.).

- (1) Turbine rotor.
- (2) Labyrinth Seals.
- (3) Solenoid valves.
- (4) High Pressure steam valves.
- (5) Ball bearings.
- (6) Metal bearings.
- (7) Reduction gears.
- (8) Turbine blades.
- (9) Joints.
- (10) Packings.
- (11) Seals.
- (12) Governor.
- (13) Safety trips and tripping mechanisms.
- (14) Turbine Nozzles.

STEAM RECIPROCATING PUMP

- (i) Piston rings.
- (ii) Bucket rings.
- (iii) Suction valves.
- (iv) Suction valve spring.
- (v) Suction valve.
- (vi) Delivery valve.
- (vii) Delivery valve spring.
- (viii) Delivery valve spring.
- (ix) Locating bolts.
- (x) Bushes.
- (xi) Valve rod and valve.
- (xii) Cross head.
- (xiii) Relief valve spring.
- (xiv) Neck bush.
- (xv) Plunger Ring.
- (xvi) Cross head links.
- (xvii) Joints.
- (xviii) Gaskets.
- (xix) Oil Seal.
- (xx) Bucket.
- (xxi) Bucker rod.
- (xxii) Piston rod.
- (xxiii) Valve rod.
- (xxiv) Steam slide valve.
- (xxv) Metal bearings.

Sl. No.	Description of items.
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|----------|----------------|
| (xxvi) | Springs. |
| (xxvii) | Packings. |
| (xxviii) | Joints. |
| (xxix) | Ball bearings. |

By order of the
Chief Martial Law Administrator

A. S. RASHEED

Joint Secretary.

[C. No. 7(9)Cus-VIII/81]

NOTIFICATIONS

Dacca, the 29th April, 1982

No. S.R.O. 133-L/82/708/Cus.—In exercise of the powers conferred by sub-section (7) of section 25 of the Customs Act, 1969 (IV of 1969), the Government is pleased to make the following amendment in this Ministry's Notification No. S.R.O. 48-L/82/690/Cus., dated the 25th January, 1982, namely:—

In the aforesaid Notification, in the Table, for serial Nos. 6 to 13 in column (1) and the entries relating thereto in columns (2) and (3) the following shall be *substituted*, namely:

“6.	Cloves	..	1,62,947-00
7.	Cassia	..	63,204-00
8.	Black Pepper	..	32,589-00
9.	Cummin Seeds	..	29,231-00
10.	Nutmeg	..	27,652-00
11.	Poppy Seeds	..	14,616-00
12.	Sago Seeds	..	5,925-00
13.	Coconut Oil	..	15,796-00.”

[C.No. 10(5P)Cus.I/81/Pt.]

No. S.R.O. 134-L/82/709/Cus.—In exercise of the powers conferred by sub-section (7) of section 25 of the Customs Act, 1969 (IV of 1969), the Government is pleased to rescind this Ministry's Notification No. S.R.O. 390-L/81/675/Cus., dated the 4th December, 1981, provided that the consignments of fents for the importation of which letters of credit have been established through a scheduled bank on or before the date of publication of this Notification shall be governed by the Notification which has been rescinded.

[C. No. 10(5P)Cus.I/81/Pt.]

No. S.R.O. 135-L/82/710/Cus.—In exercise of the powers conferred by section 19 of the Customs Act, 1969 (IV of 1969), the Government is pleased to rescind the following Notifications, namely :

1. No. S.R.O. 192-L/81/643/Cus., dated the 6th June, 1981.
2. No. S.R.O. 193-L/81/644/Cus., dated the 6th June, 1981.

[C. No. 10(5P)Cus.I/81/Pt.]

No. S.R.O. 136-L/82/711/Cus.—In exercise of the powers conferred by section 19 of the Customs Act, 1969 (IV of 1969), and section 7 of the Sales Tax Act, 1951 (III of 1951), the Government is pleased to make the following further amendment in this Ministry's notification No. S.R.O. 111-L/81/632/Cus., dated the 9th April, 1981, namely :—

In the aforesaid Notification, in Table II, in Part B, paragraph (d) shall be *omitted*.

By order of the
Chief Martial Law Administrator
A. K. M. WALIUL ISLAM
Additional Secretary.

[C. No. 10(5P)Cus.I/81/Pt.]