

## **MARINE CATEGORY**

(SHIP BUILDING & SHIP REPAIR)

#### **FABRICATED ITEMS**

- 1. Bollard
- 2. Bottom Plug
- 3. Cable Rack
- 4. Cable Tray, Saddle
- 5. Carbon Sleeves, Collar
- 6. Carbon Steel Caps
- 7. Deck Stand
- 8. Foundation Bolt
- 9. Gratings & Saddle Clips
- 10. Hand Grip
- 11. Hand Rails, Storm Rails
- 12. Hatch Cover
- 13. Hinge Bolt
- 14. Inclined Ladders /

Vertical Ladders / Jumping Ladders

- 15. Manhole Covers
- 16. Metal Steps
- 17. Name plates
- 18. Pipe Clamps, Pipe Hanger
- 19. Pipe Supports
- 20. Rose Box
- 21. Shore Cable Penetration Piece,
  Cable Penetrations
- 22. Sludge Tanks
- 23. U-Bolt
- 24. Weather Deck Scupper
- 25. Weather Louvers
- 26. Wire Mesh
- 27. Valve spares like Hand Wheel, Bonnet, Stem, Lid etc.

## SAFETY & FIRE FIGHTING APPLIANCES

- 1. Fire Hydrant, Fire Pump
- 2. Life Jacket
- 3. Life Saving Appliances
- 4. Personal Protective Equipment
- 5. Personal Safety Equipment

## **ACCOMMODATION ITEMS**

- 1. Captain's Chair
- 2. Cloth, Linen, Curtain Materials
- 3. Flooring Material
- 4. Galley & Laundry Equipment & Spares
- 5. Glass, Mirror
- 6. Medical Facility / Equipment
- 7. Steel Furniture
- 8. Toilet Modules / Sanitary Fittings
- 9. Window Wipers
- 10. Windows, Scuttles
- 11. Wooden Furniture
- 12. Port Holes

## **HULL OUTFITTING ITEMS**

- 1. Air Vents
- 2. Anti-shock Bulkhead Penetration
- 3. Anti-Shock Pipe Hangers
- 4. Anti-Vibration Mount
- 5. Bellows
- 6. Copper Fittings
- 7. Fenders
- 8. Ferrules
- 9. Flexible Hose
- 10. Hull Doors & Hatches
- Paint & Coating, Maintenance Primer,
   Rust Preventive Oil, Shop Primer, Thinner,
   Copper Slag, Steel Shot
- Pipe Fittings Carbon Steel (Boss, Elbow, Flange, Pad, Plugs, Reducer, Tee, Bend, Pipe Strap, Bell Mouth, Piping Components)
- 13. Pipes-Cupro-Nickel

## **CONTROL SYSTEMS**

- 1. Flow Meters
- 2. Gauges
- 3. Thermometer

## **ELECTRICAL EQUIPMENT / ITEMS**

- Battery Chargers, Distribution Boards,
   Electric Shore Supply Cabinet, Junction Boxes, Starters.
- 2. Blowers
- 3. Circuit Breakers
- Inverters, Regulated Power Supplies, SMPS, Uninterruptable Power Supply Units (UPS)
- Lighting Fixtures, Light & Lamps, Navigation Lights, Receptacles, Search Lights.
- 6. Main Switch Boards
- 7. Motors and Spares
- 8. Switches
- 9. Winding Material, Wiring Material

## **NAVIGATION & COMMUNICATION SYSTEM**

- 1. Anemometer
- 2. CCTV
- 3. Indicators
- 4. Walkie Talkies

## MISCELLANEOUS (GENERAL-ELECTRICAL)

- 1. Batteries
- 2. Brushes
- 3. Cable Fixtures, Glands, Lugs, Ties, Connectors, Heat Shrinkable Sleeves, Terminal Blocks
- 4. Capacitors
- 5. Flexible Conduits
- 6. Float Switches, Level Switches
- 7. Fuses
- 8. Hospital/Freezer Room Alarm System
- 9. Insulation Material
- 10. Insulation Tapes
- 11. Local Tank Content Meter
- 12. Relays

## **ENGINE ROOM MACHINERY / ITEMS**

- 1. Drilling & Grinding Machine
- 2. Exhaust Ventilators, Bellow
- 3. Flexible Hose & Quick Coupling
- 4. Level Gauges, Level Indicator
- 5. Sounding Cap
- 6. Strainers, Mud Boxes
- 7. Thrusters
- 8. Welding Machine
- 9. Pump Spares like Impeller, Seal etc

#### DECK MACHINERY / ITEMS

- 1. Accommodation Ladders
- 2. Bollard, Roller Fair Lead & Panama Chock
- 3. Electric Chain Hoist, Hand Operated Chain Tackle
- 4. Mooring Rope, Nylon Rope

#### MISCELLANEOUS (GENERAL-MECHANICAL)

- 1. Adhesives/Sealants/ Adhesives Tape
- 2. Belt
- 3. Chain
- 4. D Rings
- 5. Deck Covering and Components
- 6. Deck Scupper and Drain Plugs
- 7. Engineers Vice
- 8. Fasteners / Stud Bolts / Screws / Washer /U-Bolts
- 10. Filter, Duplex Filter Gaskets/
  Non-Asbestos Gasket/Neoprene Sheets
- 11. NBCD Stickers
- 12. Pipe Marking tape
- 13. Pulley
- 14. Scaffolding
- 15. Coupling
- 16. Tool Board17. Tube Fittings
- 18. Oil Seal, O-Ring



# **GENERAL CATEGORY**

#### **MECHANICAL & GENERAL ITEMS**

- 1. Fasteners (Nut, Bolt, Washers, Rivets, Screws, etc)
- 2. Hand Tools (Spanner, Hammer, Chisel, Hacksaw, etc)
- 3. Hardware (other than fasteners), Bearings, Springs etc)
- 4. Machine Tools Accessories (Allen key, Grease/Oil Gun)
- Measuring/Calibrating Instruments (Common Balance, Measuring Tape, Vernier Caliper, Micrometer etc)
- Paint & Coating (Paint, Primer, Painting Tools, Rust Preventive Oil etc)
- 7. Pipe & Pipe Fittings (MS, SS, GI, AI, Cupro Nickel)
- 8. Scaffolding
- Storage & Handling Accessories for Industrial Gases (Tanks, Cylinders, Regulators etc)
- 10. Wood/Timber
- Workshop Machineries & Accessories (Lathe, Drilling m/c, Grinding m/c, Shaper Engineers, Vice, etc)
- 12. Rubber Bush
- 13. Bull-dog Grip, Thimple
- 14. Sling
- 15. Glass Wool, Rock Wool, MFMB
- 16. Plywood, Mica
- 17. CNAF, Gland Packing Rubber, Neoprine, Yellow Paper
- 18. Rubber Beading
- 19. Adhesives/Sealants/Adhesive Tape
- 20. Belt/Chain
- 21. Gaskets/Non-Asbestos, Gasket/Neoprene Sheets
- 22. Socket Wrenches
- 23. Couplings
- 24. Tool Board
- 25. Tube Fittings
- 26. Oil Seal, O-Ring
- 27. Welding Machine
- 28. Cylindrical Sight Glass

### ACCOMMODATION / ADMINISTRATIVE ITEMS

- Canteen Equipments & Utensils (Gas Stove, Mixer, Grinder, Knife, Egg Beater etc.)
- 2. Cutlery & Crockery
- 3. Housekeeping Items
- 4. Office Stationery
- 5. Uniform & Liveries
- 6. Cloth, Linen, Curtain Materials

## PRODUCTION CONSUMABLES

- 1. Cutting Wheel/Grinding Wheel/Abrasives
- 2. Electrodes (Filler Rods, Flux etc)
- 3. Machine Cleaning Materials
  (Cotton Waste, Cleaners etc)
- Paint & Coating, Maintenance Primer, Rust Preventive Oil, Shop Primer, Thinner, Copper Slag.

## **FIRE & SAFETY APPLIANCES**

- Fire Fighting Appliances (Hydrants, Sprinklers, Fire Hose, Fire Pump etc)
- Life Saving Appliances (Lifebuoys, Jackets, Safety Belt etc)
- 3. Personal Protective Equipments
  (Safety Shoe, Helmet, Ear Muff, Gloves etc)

#### MEDICAL ITEMS

1. Medical Furniture (Structures, Wheel Chair etc)

## **ELECTRICAL ITEMS**

- 1. Cabling Equipments & Accessories
- 2. Circuit Breakers (Fuse, ELCB, MCB, etc)
- 3. Control Panel & Distribution Board Items, Relays
- 4. Electrical Appliances (Fan, Heater etc.)
- Electrical Fittings (Adaptors, Socket, Plugs, Switches, Conduit, Insulation Tapes, Ferrules, Cable Fixtures, Glands, Lugs, Ties, Connectors, Heat Shrinkable Sleeves, Terminal Blocks, Inductors, etc.)
- 6. Electrical Measuring Appliances & Instruments (Meters, Ammeter, Voltmeter, etc.)
- 7. Electrical Tools (Crimping Tool, Cutting Pliers etc)
- 8. Light & Fittings (Incandescent Lamp, CFL, LED products)
- Power Storage Equipments (Battery, UPS, Charges, Capacitors etc)
- 10. Cable Rack

#### **ELECTRONICS & COMMUNICATION ITEMS**

- Electronic Components (Resistors, Capacitors, Diodes,
   IC. Sensors, PLCs etc)
- 2. Electronic Equipments (Calculator, Stabilizers etc)
- 3. UPS
- 4. Flow Meters
- 5. Gauges



# **SERVICE CATEGORY**

#### SHIP-BUILDING OUTSOURCING WORKS

#### HULL STRUCTURAL AND OUTFITTING RELATED WORKS

- 1. Steel / Block Fabrication
- 2. Fabrication of Pipes/Clamps/Supports
- 3. Surface Preparation & Painting
- 4. Insulation Works
- 5. Joinery Works
- 6. Flooring & Tiling Works
- 7. Stainless Steel Fabrication Works
- 8. Electrical Works
- 9. Air Conditioning Works
- 10. Mechanical Ventilation
- 11. Onboard Outfitting Works
- 12. Dry Survey Works
- 13. General Cleaning
- 14. Rubber / Neoprene products-related works
- 15. Staging
- 16. Hull Erection
- 17. Grand Assembly
- 18. Outfitting
- 19. Machining

- 1. Life Raft Servicing
- 2. LSA FFA items Servicing
- 3. Drain Plug Opening / Closing / Testing
- 4. Opening / Closing of Manholes
- 5. Repair / Renewal of Portholes and its testing
- 6. APT, Hydro Test
- 7. Fitment of Sanitary Items
- 8. Air Hose Test
- 9. Repair / Renewal of Spring Loaded Hatches
- 10. Air Pressure Test of Clusters / Compartments
- 11. NDT DPT, Magnetic Particle Testing,
  - **UT Scanning, Eddy Current Test**
- 12. FRP Works
- 13. Cold Compound Works
- 14. Life Boat / RIB Repair
- 15. Sea Chest Gratings Remove I Refit / Renewal
- 16. Sea Tube Pressure Testing

- 17. Cold Room Works Puff Renewal
- 18. Repair / Renew Flooring Compound
- 19. Repair / Renew Wooden Deck
- 20. Load Testing of Deck Fittings
- 21. Load Testing of Davits and Boat
- 22. Repair / Renewal of Non Watertight Doors
- 23. Repair / Renewal of Watertight Doors
- 24. Renew / Repair of Pilot Ladders / Cargo Nets
- 25. Renew / Repair of Helonets
- 26. Load Testing of Helonets
- 27. Renewal of Anodes
- 28. Insulation and Paneling Works
- 29. Canvas Jobs in Accommodation Area and Equipment Covering
- 30. Class Survey
- 31. Surface Preparation
- 32. Painting

#### UTILITIES AND MAINTENANCE RELATED WORKS

- 1. Painting of Industrial Gas Pipelines
- 2. Transportation of Load for Statutory Testing and
- Certification of Tools and Tackles
- 3. Surface Preparation and Painting of Cranes
- and Machineries
- 4. Cleaning of Dust Collector Units of various Machineries
- 5. Annual Service Contract for Refrigeration System
- of Dehumidifiers
- 6. Telephone Connectivity Works
- 7. Annual Electrical Maintenance of Residential
- 8. Building at CSL Quarters
- 9. Comprehensive Annual Maintenance
- 10. Contract for Split / Cassete / Ductable Type
- Air Conditioning Units Installed in CSL
- 11. Electrification Works of Various Building
- 12. Laying of Pipelines and Cables
- 13. Supply and Installations MV Switchboards