



All Power is within you;
you can do anything
and everything...

- Swami Vivekananda

Vivekananda

Educational Institutions

BSS - NDA - PROMOTED BY GOVERNMENT OF INDIA, NEW DELHI

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PROSPECTUS



GATEWAY OF PROFESSIONAL TRAINING

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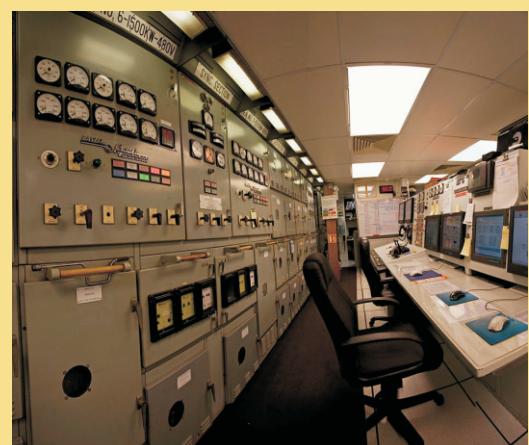
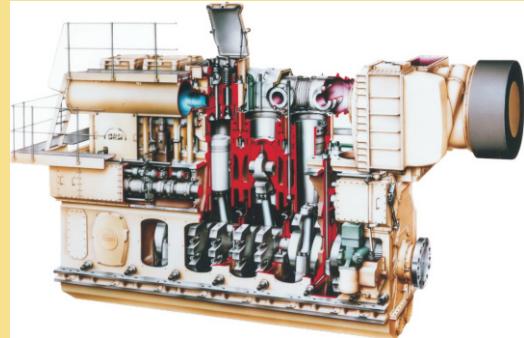
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A Corporate Member of National Safety Council

DIPLOMA IN MARINE DIESEL ENGINE MECHANIC

SYLLABUS

- 1. Classification Of Ship**
- 2. Super Structure**
- 3. Bilge & Keel**
- 4. Types Of Engine**
- 5. Parts Of Engine**
- 6. Operation System & Precaution
Should Take Before Entering In
Machinery Spaces**
- 7. Movement Control Room (m.c.r.)**
- 8. Ship Safety & Operation**
- 9. Engineering Terms**
- 10. Pressure Gauges**
- 11. Temperature**
- 12. Heat & Properties Of Gases**
- 13. Power Measurement**
- 14. Propeller & Ruder**
- 15. Steam Turbine**
- 16. Types Of Turbine**
- 17. Types Of Gearing**



18. Feed System

19. Boiler

20. Types Of Boiler

21. Properties Of Steam

22. Boiler Mounting

23. Fuel Burning

24. Distillation & Production Of Water

25. Fresh Water Generator

26. Evaporator

27. Domestic Water Treatment Plant

28. Pumps & Types Of Pumps

29. Refrigeration & Air Condition

30. Propeller & Propeller Shafting

31. Steering Gear

32. Pollution

33. Engine Room, Watch Keeping & Equipment Operaiton

34. Valves

35. Hydraulic System

36. Deck Machinery

37. Diesel Engine



38. Electrical Equipment & control System



39. Fire Fighting

40. Fire Prevention in Engine Room

41. NBCD Operaiton, (Nuclear Biological Chemical Demonstration)

42. Indicator & Diagrams

43. Engine Cycles

44. Gas Exchange Process



45. Exhaust Valves

46. Launching The Ship

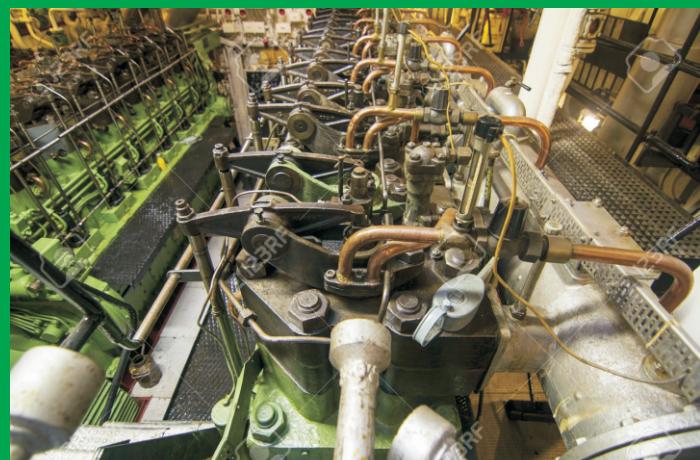
47. Ship Survey

48. Piping System

49. Bulb Carrier

50. Gas Carrier

51. Large Tankers



52. Closed Feed System

53. Warming Through a Steam Turbine

54. Marine Boilers

55. Properties of Steam

56. Purity of Boiler Feed Water

57. Water Tube Boiler

58. Fire Tube Boiler



59. Bab Cock & Willcock Y 100 & 101 Boiler



60. Package Boiler

61. Generators

62. Safety Valve

63. Main Steam Stop Valves

64. Blow Down Valves

65. Air Supply

66. Feed Supply

67. Lighting up Boiler in cold



68. Boiling Process

69. Low Pressure Evaporator

70. Domestic Water Treatment Plant



71. Pumping System

72. Advantage of the Pumps

73. Construction & Working of the Pumps

74. Prime Mover

75. Bilge System

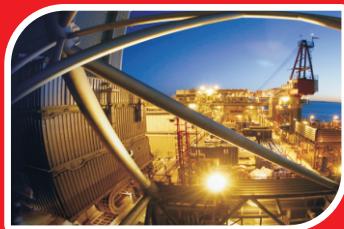
76. Ballast System

77. Gas Carrier Pumping Arrangements

78. Chemical Carrier Pumping Arrangements

79. Oil Tanker Carrier Pumping Arrangements

80. Vapour Compression System



81. Ventilation

82. Arrangements of Trust Shaft



83. Pitch Propellors & Advantage

84. Electric Stearing Gear

85. Various Emergencies in Steering System

86. Steering Gear Circuits Rules & Regulations

87. Stabilizers



88. Oil Pollution & Prevention

89. Engine Room Bigles

90. Seawage

91. Sludge Incinerator

92. Periodic Safety Routine

93. Precaution Should be Taken in Rough Weather

94. Heavy Weather Precautions

95. Basic Equipments & Circuits of Hydraulic System

96. Advantage & Disadvantage of Hydraulic System

97. Method of Operaiton in Hydraulic System

98. Cleanance in Machinary Space

99. Capstan

100. Winches for Cargo Handling

101. Cock & Valves

102. Whistle

103. Cycle & Operation in 2nd Stage Diesel Engine

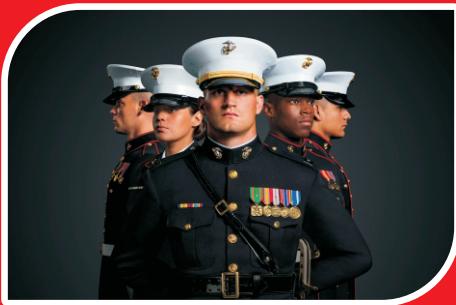
104. Fuel Injection System

105. Control Device

106. Operation & Trouble Shooting

107. Engine Starting

108. Bridge Control System





எமது பயிற்சி நிறுவனத்தின் சிறப்பு அம்சங்கள்

- * 35 வருட மூன்றாவது மூலிகைகளைக் கொண்டு வருப்புகள் நடத்தப்படுகிறது.
- * குளிர்சாதன வசதியுடன் சமீய வருப்பறைகள்.
- * முதலுகவி (FIRST AID) மற்றும் அங்கீகார சான்றிதழ் வழங்கப்படும்.
- * மிக மிக குறைவான கல்விக் கட்டணம்.
- * பயிற்சி முறையில் மத்திய ஓரசு சான்றிதழ் வழங்கப்படும்.
- * பயிற்சி முறந்தவுடன் 100% உள்ளாடு மற்றும் வெளிநாடு வேலை வாய்ப்பில் உதவி செய்யப்படும்.
- * SC/ST மாணவர்களுக்கு கட்டண சலுகை உண்டு.
- * தங்களது நன்பர்களை பயிற்சியில் சேர அழைத்து வருபவர்களுக்கு கட்டண சலுகை உண்டு.
- * தங்குமிடம் (ஹாஸ்டல்) உணவு வசதி உண்டு.