

LIST OF MAJOR EQUIPMENT AND MATERIAL FOR 33M (65T)
ASD TUG

| No. | Type | Model |
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| 1 | 2 X Units Marine Propulsion Diesel Engine, 2200HP | Cummins /USA |
| 2 | 2 X Units Stern Thruster (Azimuth, FPP type) | SRP 1010 FP/Germany Or Ulsten Aquamaster US 155FP/ Finland |
| 4 | 2 X Units Diesel Generator, 200kVA, 160kW, 440/3/50 | Deutz/ Cummins China or equal |
| 5 | 1 x Emergency / Harbour Genset 30 kW, 440/3/60 | Deutz/ Cummins China or equal |
| 6 | Deck machinery and 2t@4m crane | China |
| 7 | CO2 and smoke & heat detection /general alarm system | China |
| 8 | Oil dispersant | Aylex or equal |
| 9 | Bilge / Ballast pump 50m ³ /hr @ 50m HEAD | V-FLO |
| 10 | G.S / Fire Pump 50m ³ /hr @ 50m HEAD | V-FLO |
| 11 | Fuel Oil Pump 8m ³ /hr @ 18m HEAD | V-FLO |
| 12 | Emergency Fire Pump 25m ³ /hr @ 30m HEAD | V-FLO |
| 13 | Dirty Oil Pump 3m ³ /hr @ 15m HEAD | V-FLO |
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| 14 | Fresh Water Pressure Set 2m ³ /hr @ 25m HEAD | China |
| 15 | Sea Water Pressure Set 2m ³ /hr @ 25m HEAD | China |
| 16 | Air Compressor, 24m ³ /h @ 30 Bar + Emergency air compressor | China |
| 17 | Air Bottle, 2 x abt 300 L @ 3 Bar | China |
| 18 | Lub. Purifier, 1 x 10,000 L/day | China |
| 19 | Fire Monitors, 2 x 360m ³ /h @ 100m water/foam dual purpose, electric or electro-hydraulic controlled | Unitor, Hamworthy, Skum or equal |
| 20 | External Fire Pump, 1 x 750m ³ /h @ 120m | V-FLO |
| 21 | Diesel engine for F-F system | Caterpillar, Cummins, Volvo or equal |
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| 22 | Sewage Treatment Plant, 12-man | CW-20,China |
| 23 | Oily Water Separator 0.5m ³ /hr | China |
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| 24 | Air Condition Machinery (Central System) | Daikin, Carrier or equal |
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| 25 | Standard Magnetic Compass | Saura MR-150 or equal |
| 26 | Gyro Compass | Tokimec TG 8000 or equal |
| 27 | Radar No.1 | Furuno FR-1510 Mk3 or equal |
| 28 | Radar No.2 | Furuno FR-7062 or equal |
| 29 | Echo Sound | Furuno FE-700 or equal |
| 30 | Speed Log | Thomas Walker 4020 or equal |
| 31 | GPS Navigators | Furuno GP-90 or equal |
| 32 | AIS (Automatic Identification System) | McMurdo MT-1 or equal |
| 33 | GMDSS Radio Communication Sea Area 3 | Furuno RC-1800T or equal |
| 34 | 2-Way Handheld VHF Radio | McMurdo R2 or equal |
| 35 | Epirb | McMurdo E3 or equal |
| 36 | Sart | McMurdo S4 RESCUE or equal |
| 37 | Navtex Receiver | McMurdo Nav-5 or equal |
| 38 | Portable Loud Hailer | ER-2015 or equal |
| 39 | Vingtor VSP System | Vingtor or equal |
| 40 | PA System | China |
| 42 | Weather Fax | Furuno FAX-207 or equal |
| 43 | Wind Anemometer | RM Young or equal |

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| 44 | TV Antenna | China |
| 45 | Main switch Board, 24V Nav. panel etc. | Siyang-Inteschalt China, ABB/China |
| 46 | Navigation and search Light | Aqua Sign (the other is China) |
| 47 | Rescue cum work boat with davit | China |
| 48 | Safety equipment | China |
| 49 | Painting | IP, Sigama or equal |
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Remark:

The each item price is just budget and V-FLO will choose which model is the final order!