



**DESB MARINE SERVICES**  
**SDN BHD.**

**PROVIDING SERVICES TO THE  
MARINE/OFFSHORE INDUSTRIES**

**M.V. "DAYANG NILAM"**

**TECHNICAL SPECIFICATIONS**

| <b>No</b> | <b>Item</b>                  | <b>Specification</b>   | <b>No</b> | <b>Item</b>                                       | <b>Specification</b>  |
|-----------|------------------------------|--|-----------|---|---|
| 01.       | <b>Vessel Name</b>           | MV Dayang Nilam Ex Vision III  | 18        | <b>Propulsion Machineries</b>                     |   |
| 02        | <b>Type of Vessel</b>        | Maintenance/ WorkVessel  | a)        | Main Engines                                      | 2 x Yanmar Diesel 6N-165-EN at 140 RPM.   |
| 03        | <b>Call Sign</b>             | 9WHS9  | b)        | Marine Gearbox                                    | 2 x Gearbox.  |
| 04        | <b>Plying Limit</b>          | Near Coastal   | c)        | Propeller   | 2 x Fixed pitch propellers.   |
| 05        | <b>Classification</b>        | Lloyds Register of Shipping.   | d)        | Bow Thruster                                      | 1 x Tunnel type of 3Ton thruster.   |
| 06        | <b>Class</b>                 | 100A1 Offshore Supply Ship.  | 19        | <b>Navigation &amp; Communication Equipments.</b> |   |
| 07        | <b>Port Of Registry</b>      | Kuching  | a)        | GMDSS   | Furuno type - Area 1 and 2.   |
| 08        | <b>Flags</b>                 | Malaysia   | b)        | Gyro Compass                                      | 1 x Gyro compass.   |
| 09        | <b>Horse Power</b>           | 2 x 800 BHP (1194Kw)   | c)        | Radar   | 2 x Furuno.   |
| 10        | <b>Cruising Speed</b>        | 8 Knots.   | d)        | Echo sounder                                      | 1 x Furuno FE700.   |
| 11        | <b>Endurance</b>             | More than 28 days/ 5000NM range.   | e)        | SART  | 2 x SART.   |
| 12        | <b>Fuel Consumption</b>      |  | f)        | EPIRB   | 1 x EPIRB.  |
|           | Cruising Speed               | approx. 200 Litres/hour  | g)        | Navtex Receiver                                   | 1 x Navtex NX500.   |
|           | Generator                    | approx. 34 Litres/hour   | h)        | Autopilot   | 1 x Auto pilot.   |
| 13        | <b>Main Characteristics.</b> |  | i)        | Speed Log   | 1 x DS 70.  |
|           | L.O.A                        | 55.00 M  | j)        | GPS Plotter                                       | 1 x Furuno GPS GP32.  |
|           | Breath Moulded               | 15.00 M  | k)        | AIS   | 1 x Furuno AIS FA100.   |
|           | Depth Moulded                | 4.60 M   | l)        | Magnetic Compass                                  | 1 x Saura, Japan M150.  |
|           | Max Draft                    | 3.60 M   | 20        | <b>Accommodation</b>                              | Fully air conditioning total 27 rooms with 80 berths, 1 x hospital, 1 x dark room, 1 x prayer, 1 x recreation/ meeting room & 1 office. |
|           | Deck Strength                | MT/sq m  | 21        | <b>Fire Fighting Equipments.</b>                  | As per Classification's & SOLAS requirements  |
|           | Clear Deck space             | Approx. 90 x 45 fts.   | 22        | <b>Life Saving Appliances.</b>                    | As per SOLAS 74/78 and amendments, Port of Registry and Classification's requirements.  |
|           | Deck Cargo                   | 1956 Ton   | 23        | <b>Other Equipments.</b>                          |   |
|           | Deadweight                   | Tonnes.  | a)        | Life Rafts  | 4 x 20 men 2 x 25 men located port & stbd side.   |
| 14        | <b>Capacity</b>              |  | b)        | Rescue Boat                                       | 1 x 6 men semi rigid type c/w davit & 30 HP outboard engine.  |
|           | Fuel Oil                     | 391 cu.m   | c)        | Manoverboard                                      | 2 x Comet.  |
|           | Fresh Water                  | 595 cu.m   | d)        | Sewage Treatment                                  | 1 x II Seung  |
|           | SWB/FW                       | 356 cu.m   | g)        | Others  | 1 x waste food grinder.   |
|           | Lub Oil Storage              | cu m   | 24        | <b>Owner</b>                                      | DESB Marine Services Sdn Bhd.   |
|           | Sewage holding tank          | cu.m   | 25        | <b>Designer</b>                                   | Sasaship Pte Ltd.   |
|           | Dirty Oil tank               | cu. m  | 26        | <b>GRT/ NRT</b>                                   | 1133/ 340   |
|           | Hydraulic Oil Tank           | cu. m  | 27        | <b>Year Build</b>                                 | 1993  |
|           | Water Maker (RO)             | 1 x 35 Tons/day.   | 28        | <b>Yard</b>                                       | Sasacom Sdn Bhd, Kuching Sarawak.   |
| 15        | <b>Auxiliaries</b>           | Main Genset.   | 29        | <b>Registered</b>                                 | 2008 -Kuching   |
|           |                              | 3 x Caterpillar 3304 @ 250 KVA.  | 30        | <b>Official Number</b>                            | 332944  |
|           |                              | Emergency Genset.  | 31        | <b>IMO No.</b>                                    | 8875281   |
|           |                              | 1 x Caterpillar 3304 @ 106 KVA   |           |   |   |
| 16        | <b>Pumps</b>                 |  |           |   |   |
|           | Drill & Ballast Pump         | 1 x 50M3/hr at 60M Head.   |           |   |   |
|           | Fuel Transfer Pumps          | 1 x 60M3 @ 60M Head.   |           |   |   |
|           | Fresh Water Pump             | 1 x 35M3/hr @ 60M Head.  |           |   |   |
| 17        | <b>Deck Machineries</b>      |  |           |   |   |
|           | Capstans                     | 2 x 10 MT hydraulic capstans.  |           |   |   |
|           | 4-point Mooring              | 4 point Mooring (Jaden)/ 4 x 18 Hydraulic Winch c/w 11/4"dia x 2500 fts wire rope, fitted with four (4) x 2500kgs Delta flipper anchors. |           |   |   |
|           | Deck Crane                   | 1 x MK-35 Marine Crane Lattice Boom Type offshore marine crane accordance to API 2C.   |           |   |   |

**Particulars Are Correct At The Time Of Printing**