

## Sapura Samudra



### GENERAL

Built:	1975 (Rebuilt 1984)
Port of Registry:	Port Klang
Call Sign:	9MBD4
Builder:	Shipyards Waterhuizen, Groningen
Class Certificates:	DNV + A1 SUPPLY VESSEL s-dk (+)
G.R.T:	1061 T
N.R.T:	319 T
MGO:	451 m
Fresh Water:	284 m
Water Maker:	8000 l/day
Accommodation:	45 pax
Sea Endurance:	30 days

### MARINE SPECIFICATIONS

Length:	58.95 m
Breadth:	12.5 m
Depth Moulded:	5.90 m
Draft Max.:	5.50 m
Draft Min.:	4.10 m

### MACHINERY

Engine Propulsion:	B&W Alpha Marine Diesel 10V 23 LVO (2 x 1550 hp) = 3100 hp
Max Speed:	8 Knots
Cruising Speed:	6 Knots
Bow Thruster Pull:	1 x KSB PBO 1400 CAT D343
Gear Box:	2 x B&W Alpha 4.0
Main Generator:	2 x CAT D343
Ratio:	2 x 275HP 1800 RPM
Emergency Generator:	1 x CAT D3406
Crane:	Knuckle Boom 5T max. reach

### POSITIONING SYSTEM

4 Point Mooring:	Four (4) x 1400 m x 32 mm x 3.5T DFA
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### COMMUNICATION

Mini V-Sat:	Sailor Thrane & Thrane TT303 b
Fleet77 (Data and Voice):	TT3622B Satblast
VHF 1:	JRC JHS 32A
VHF 2:	ICOM VHF JC M304

### DERRICK

Height:	80 ft (drill floor to crown)
Static Hook Load:	30 T
Base Dimension:	3 m

TOP DRIVE:	Dando 1000
Quill Stem Bore Size:	4.5"

### TRAVELLING BLOCK

Capacity:	60T
Type:	Split, 1.5 m x 1.4 m x 4.0 m

### DRILL STRING

Size:	5 1/2 OD x 4 1/2 IDW/5 1/2
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### WINCHES

Drawworks:	18 T, Single steel drum, hydraulic motor
Headline:	3 T, Pullmaster, hydraulic motor
Tailline:	3 T, Pullmaster, hydraulic motor
Sampling:	1.5 T, Single steel drum, hydraulic motor
Seabed Frame:	20T, Single steel drum with automatic spooling

### MUD PUMP SYSTEM

Brand / Maker:	Duplex Gaso Tulsa
Mud Tank Volume:	5,000 Gallons
Mud Tank Dimension:	11 m x 2.5 m x 2.4 m

Mud Tank (2 Unit Systems) Volume:	5,000 Gallons
Mud Mixing Tank Dimension:	23 ft x 8 ft x 8 ft (H)
Circulating Pumping System:	10 ft x 8 ft x 8 ft (H)

### SEABED FRAME

Type:	10T Heave Compensated
Dimension:	2.5 m x 2.5m
Weight:	10 T
BOP:	Shaeffer Single - Shear Ram
Pressure Rating:	5,000 psi
Accumulator Type:	Triplex Hydraulic Pump

### DOWNHOLE SAMPLING AND TESTING

Type:	WISON - APB
Rating:	600 m

### SEABED SAMPLING AND TESTING

Type:	ROSON 40 kN
Rating:	Max. water depth 2,000 m
Type:	ROSON 100 kN
Rating:	Max. water depth 2,000 m

### OPTIONAL

- Wireline MCB
- Piston Corer
- Large Piston Corer
- Vibocorer
- Box Corer
- In-Situ Vane Shear
- Packer Test
- BAT Test
- Seismic CPT

### SURVEY SPREAD

- Kongsberg EM122 Multi Beam Echo Sounder (1x2 deg)
- Kongsberg EM1002 Multi Beam Echo Sounder
- Seapath 320 + (+ Spare System) & 1x MRU5 +
- Simrad EA 600 Single Beam Echo Sounder c/w MRU5
- SES Sub Bottom Profiler ( 4x4 Hull Mounted ) c/w CODA DA2000
- QINSy on-line and Off-line Computer System c/w spare computers & 2x AO Printers
- SG Brown Survey Gyrocompass
- Kongsberg Poseidon
- SIS Software with TerraPos
- Sippican Mk21 x2 + XBT-T5 ( 500 units ) + XSV-02 (125 units )
- USBL mounting facility ( through hull ) - no USBL currently onboard
- 2x Winch for CTDS deployment c/w +/- 4k Kevlar Rope

\*\* This vessel specification is given in good faith @ assumed correct. Details given are without guarantee.  
\*\* Owners reserve the right to amend the specifications without notification