M.V. BRAHMAPUTRA DOLPHIN

MULTI-PURPOSE TUG / SURVEY / SUPPORT VESSEL / SPECIAL PURPOSE VESSEL

**BUILD**

- **Class:** IRS
- **Flag:** INDIAN
- **Year Built:** 1976 (Major modification 1992 and 2001 with new engines)
- **Call Sign:** AUHR
- **IMO Number:** 7608916
- **Official Number:** 3116
- **Navigation Areas:** Unrestricted (International)
- **Class Notation:** Steel/ Supply vessel meeting with SPS Code 2004 for 42 Special persons
- **Max. Speed:** 10.50 Knots
- **Cruising Speed:** 8.0

**DIMENSIONS & CAPACITIES**

- **Length O.A. (M):** 57.91
- **Beam MLD. (M):** 12.19
- **Depth MLD (M):** 5.00
- **Draft max. (M):** ~3.53
- **GRT/NRT:** 1008/302
- **DWT:** 519.71
- **Fuel Oil Tank (MT):** ~258.02
- **Fresh Water Tank (MT):** ~184.00
- **Deck Space:** 210.26 M²
- **Maximum authorized life saving Capacity:** 62 persons

**MAIN MACHINERY & PROPULSION UNIT**

- **Main Engine BHP:** 1304KW x 2 @1650rpm
- **Quantity:** Two
- **Make:** Deutz
- **Year Installed:** 2001/2002
- **Model:** TBD-620-V12
- **Marine Gensets:** 2 x 250 KW + 1 x 150 KW
- **Reduction Ratio:** 1:6.883
- **Make:** Caterpillar, 1 Detroit
- **Marine Red. Gearbox:** 2 Nos Make : ZE MARINE
- **Oily Water Separator:** YSCZ-0.25DM
- **Fuel Type:** Marine Diesel Oil
- **Bollard pull at 1000/1200RPM:** 23T/30T
- **Bow Thruster:** 500 BHP, 1* Detroit 12V71

**COMMUNICATION & NAV. EQUIP.**

- **GMDSS:** FURUNO
- **SAT-C:** FELCOM 12
- **SSB/MF/HF DSC:** FURUNO FS – 1562-25
- **VHF:** FURUNO FM -8500
- **GPS:** GARMIN 152
- **AUTO PILOT:** SPERRY
- **DSC:** FURUNO DSC 60
- **GYRO:** SPERRY SR-130
- **RADARS:** FURUNO/KODEN
- **COMPASS:** GILLIE SESTRIL
- **ECHO SOUNDER:** FURUNO
- **Satellite telephone and e-mail:** Fleet Broadband, Skipper-150

**ARMOR AND GALLEY**

- **Special Persons:** 42
- **Ship’s Staff:** 20
- **Total Authorized Accommodation:** 62
- **Freezer space:** 8.5 M3
- **Chiller Space:** 8.5 M3
- **Spacious Mess Room with sit down capacity:** 24 Persons
- **Client’s Office:** 8.15 x 2.46m (20M²)
- **Recreation room with TV and DVD:** 20 Persons

**AIR CONDITIONING SYSTEM:**

- **Centralized air condition system with 100% standby arrangement:**
  - 1 meat/fish room & 1 vegetable room.
- **Galley:** Fitted with Indian type cooking range.
- **Work Shop:** Special work shop having lathe, grinding, drilling, welding machine & other shop tools

**CAPACITIES/TRANSFER RATES**

- **Cargo Fresh Water:** NIL
- **Ship’s Fresh Water:** 160 MT
- **Diesel Oil:** 250 MT/transfer rate
- **Hydraulic Oil:** 2.76 MT
- **Lube Oil:** 19.2 MT
- **Ballast:** 156 MT

Two Electro Hydraulic Winches each with 1200m x 26mm wire and 2T Delta flipper anchor at FWD.

- **Anchor & Anchor Chain:** 2 x Electric Anchor Windlass with 900kg Bower anchor system.
- **Capstans:** 2 x 5 T at 12 mtr/min electric stern capstans
- **Cargo Crane:** One 8T, Allied, Electro hydraulic Crane with telescopic boom on port side stern.
- **Provision Crane:** One National 3T Electro hydraulic Crane with Telescopic boom on Stbd side amidships

**MOORING EQUIPMENT & DECK MACHINERY**

- **Moorings:**
  - Two Electro Hydraulic Winches each with 1200m x 26mm wire and 2T Delta flipper anchor at FWD.
- **Anchor & Anchor Chain:**
  - 2 x Electric Anchor Windlass with 900kg Bower anchor system.
- **Capstans:**
  - 2 x 5 T at 12 mtr/min electric stern capstans
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- **Comply with SOLAS and flag country as regards fire-fighting & life-saving facilities requirement**
- **Engine Room & DG Room – Fixed Fire Fighting system i.e. CO2 system**
- **Portable : Foam, Water & CO2 types at various locations required by SOLAS**
- **Sewage Treatment Plant:**
  - Aquachem  Germany: 24 Persons
  - EVAC : 55 Persons
- **LSA Equipments:**
  - Fitted with one number FRC and other LSA items as per SOLAS.

**DISCLAIMER:**

Specification Mentioned are only for guidelines and actual details must be verified with owner prior hiring of the vessel.