




**AWARTISE NIG. LTD**  
**22 SHELL ROAD**  
**SAPELE, DELTA STATE**  
**NIGERIA**  
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## Platform Supply Vessel

## PRINCE JOSEPH 1

### TECHNICAL SPECIFICATION

NAME OF VESSEL : PRINCE JOSEPH 1  
 TYPE OF VESSEL : PLATFORM SUPPLY VESSEL  
 CALL SIGN : ZGBA7  
 CLASSIFICATION : DET NORSKE VERITAS  
 NOTATION:  1A1 Fire Fighter I+ SF COMP -V(3) E0 DYNPOS- AUTR DP2

#### PRINCIPAL PARTICULARS

LENGTH O.A : 73.60M  
 BREATH MOULDED : 16.00M  
 DESIGN DRAFT (ABOVE KNEEL) : 7.00 M  
 DECK CARGOS C.O.G. 1M ABOVE MAIN DECK : 1600 TONS  
 DEADWEIGHT : 3240 TONNES  
 FREE DECK SPACE : 160 M<sup>2</sup>

#### Cargo/ Tank Capacity

Fuel Oil : approx 970m3  
 Ballast/drill water(incl. brine) : approx. 1300m3  
 Dry bulk cargo tank(cement/barite) : approx.320m3  
 Fresh water : approx. 820m3  
 Liquid Mud(s.g.2.8)-incl brine tanks : approx.980m3  
 Brine (s.g 2.5) : approx. 390m3  
 Base oil : approx. 200m3

#### Accommodation & Life Saving Equipment

Offshore Personnel : 29 Persons  
 (Seating Compartment) : 17 Persons

Crew ( W/ Berths) : 6 X 1 Man Cabins  
 : 4 X 1 Man Cabins  
 : 2 X 1  
 : 1 X 1  
 : 1 X 1  
 : 1 X 1

Life Rafts : 2 X 50 Men Capacity  
 Life Jackets : 90, Solas Approved Type  
 Rescue Boat : Outboard Engine  
 Fire Fighting System : In Accordance To Solas Rules

BUILDER : Bharati Shipyard Limited. Rathnagiri, India.  
 YEAR BUILT : 2012  
 FLAG : NIGERIA  
 IMO NO : 9499319  
 TOP SPEED : 14.5 KNOTS

#### MACHINERY / POPULATION

Main Engine : 2 x MAK 6M25  
 Engine output approx (HP) : 2 X1980 KW, 750rpm.  
 Aux. Engines : 2 x 250 KW (310 KVA), 1800 rpm, 440V, 60HZ, IP44.  
 Emergency Genset : 1x 72KW, 1800rpm, 440V, 60HZ,  
 Shaft Genset : 2 x 1800KVA, 1800rpm, 440V, 60HZ, FW cooled  
 Tunnel Thrusters (Fwd & aft) ; 4 x 590KW each.

#### DECK MACHINERIES

Anchor Windlass: Qty; 2nos  
 Type: SPEK ANCHOR M TYPE 2460 KG  
 Weight: 2475 & 2491 Kg Resp.  
 Anchor chain:  
 38mm Dia 27.5 meters each grade NVK3 stud link  
 anchor chain with enlarged and end link one end  
 Lengths:  
 38mm Dia 27.5 m length grade NVK3 stud link anchor  
 chain all common links - 15 Lengths

Anchor Windlass: Qty; 01 No  
 Make: ROLLS ROYCE MARINE – BRATTVAAG  
 Nominal Pull: 8.0 T x 10.5 m/min  
 Rescue Boat Qty: 01 No  
 Capacity: 06 persons  
 Type: VIKING 470 GRP 1  
 Deck Crane Qty: 01 No  
 Make: PALFINGER HTC  
 SWL: 3000 Kg At 16 Mtrs Outreach  
 Tugger winch Qty: 02 Nos  
 Make: RAUMA BRATTVAAG  
 Capacity: 10 T @ 0-19 m/min

**NAV & COMM. EQUIPMENTS**

Doppler Speed Log:	Qty: ONE MAKE: Furuno
Echo Sounder	Qty: ONE Make: Furuno
VHF Radio Telephone	Qty: TWO Make: Furuno
VHF Radio Telephone(Non GMDSS)	Qty: ONE Make: Furuno
NAVTEX Receiver	Qty: ONE Make: Furuno
GYRO Compass & AUTO PILOT	Qty: One Set Make: Raytheon Marine GmbH
Reflector type Magnetic compass	Qty: ONE & 1 spare Bowl Make: John Lilley & Gillie Ltd.
TV/FM Radio Antenna System	Qty: ONE set Make: Hanshin Electronics Co. Ltd.,
EPIRB	Qty: ONE Make: ACR Electronics
SART	Qty: TWO Make: ACR Electronics

**COMMUNICATION SYSTEM**

Integrated Telephone/Command system	Qty: ONE set
Vingtor CTB/SPA Talk back/PA system	Make: Zenitel Marine Asia Pte. Ltd
Loudhailer System	Make: Vingtor ACM.
DP System	Make: Rolls Royce ,Type: DYNPOS-AUTR
Automatic Identification System	Qty: ONE Make: Furuno
Marine Radar(X-band & S-Band)	Qty: ONE Make: Furuno
ECDIS	Qty: Two Make: Furuno
GMDSS	Qty: ONE Make; Furuno
INMARSAT-C	
INMARSAT-C-SSAS	
INMARSAT FLEET 77	Qty: ONE(each) Make: Furuno

**EQUIPMENTS DETAILS:**

Main propulsion:	Qty: 02 nos Output power: 1980 Kw(each)x 750 rpm Make: Caterpillar Motoren GmbH & Co. KG Type: MaK 6M 25 MDO
Fuel type	MDO
Auxiliary power:	
Auxiliary generator Diesel	Qty: 02nos Output : 280kw at 1800rpm Make: MAN Nutzfahrzeuge AG Type: D2866 LXE 30 MDO
Fuel type	MDO
Emergency power:	Qty: 01 No. Output: 72Kw Make: LINDENBERG Type: MAN D 0824 LE 201 MDO
Fuel type	MDO
Propeller(s):	Qty: 2x Controllable pitch propellers(04 blades) Make: Baliño S.A. Spain Type:600 AGSC-KP Dia& speed: 2900mm-196 RPM
Rudder(s)	02 X high life flap rudders. Rudder Area: 6m2 Make: ROLLS ROYCE MARINE (SHANGHAI) Type:FB-S 2000
Steering Gear:	Qty: 02nos Make: ROLLS ROYCE MARINE , TENFIORD Effective torque:70 kNm each Effective angle: 2x45*
Tunnel Thrusters	Qty: 04 nos (02 nos fwd & 02 nos aft) Make: ROLLS ROYCE MARINE Models: TT1850 DPN CP , TT1650 DPN CP & TT 1650 DP CP

**AUX. MACHINERIES:**

Shaft Alternator	Qty: 02 nos Output Power: 1750 kVA @ 1800 RPM,3 PHASE, 450 V, 2245 Amps, 60 Hz Make: AEM- ANHALTISCHE
Sewage Treatment Plant	Qty: 01No Capacity: 2.6 cu.m per Day Make: EVAC—STP 20
Ultra violet Sterilizer	Qty: 01 No Capacity: 2500 LPH Make: GOOD LIFE PRODUCT
Hot water boiler	Qty: 02 x700L Capacity: 120 KW , 100.000 KCAL/Hr Flow rate: 7m3/hr Make: Heatmaster BV

**CARGO SYSTEMS:**

Liquid Mud system:	Capacity: 75 - 32.7 CuM/Hr @ 360 - 180 Rpm Qty: 02nos Make: ALLWEILER AG
Ballast & DW cargo pump	Qty: 01 No. Capacity: 200-100 CuM/Hr @ 3500-1700 RPM Make: ALLWEILER AG
Fresh water Cargo Pump	Qty: 01 No. Capacity: 200 -100 Cu.M/Hr @ 90-22.5 M Head Make: ALLWEILER AG
Base Oil Cargo Pump	Qty:01 No Capacity:150-75 CuM/Hr @3500 -1750RPM Make: ALLWEILER AG
Brine Cargo Pump	Qty: 01 No. Capacity:75 -32.7 CuM/Hr Make: ALLWEILER AG
Bulk Handling system (Storage tank)	Qty: 05 Nos.

**BILGE & BALLAST WATER SYSTEMS**

Bilge & Ballast water spaces structure & fittings  
 Bilge & Ballast piping, valves, actuators & securing  
 Bilge & Ballast pumps, drives, foundations & fittings  
 Bilge & Ballast level gauging & monitoring equipment  
 Bilge & ballast venting & sounding arrangements

**MAIN PROPULSION & MANOEUVRING SYSTEMS**

Main propulsion engine  
 Steering gear  
 Thrusters  
 Machinery workshops  
 Machinery compartments

**ELECTRICAL GENERATING SYSTEMS**

Main & emergency generator engines  
 Main & emergency alternators  
 Transformers & batteries  
 Shaft Alternators

**ELECTRICAL SWITCHBOARDS & DISTRIBUTION SYSTEMS**

Main & emergency switchboards & fittings  
 Electrical cables  
 Electrical starter and control panels  
 Electric motors

**AUTOMATION, ALARM & PROTECTION SYSTEMS**

ECR Monitoring & alarm system  
 Overspend / overload protection systems  
 Automatic start / standby functions & alarms  
 Bridge monitoring & alarm systems

**STEAM SYSTEMS**

Hot water boiler  
 Sewage Treatment Plant  
 Water maker

**EXTERNAL STRUCTURES & FITTINGS**

External hull structure  
 External decks structure  
 External accommodation structure  
 External deck housings structure  
 External masts structure  
 External ladders, bulwarks & railings structure  
 External vent pipes, vent heads, & save alls structure

**CARGO SYSTEMS**

Cargo spaces internal structure & fittings  
 Cargo handling machinery & equipment  
 Cargo spaces hatches  
 Cargo spaces bilges and fittings

**ACCOMMODATION SERVICES & SYSTEMS**

Ventilation & air conditioning systems  
 Provision refrigeration plant, spaces & fittings  
 Domestic & potable water systems  
 Galley equipment  
 Cabins, heating, lighting fittings & cables  
 Cabins furnishing & fittings  
 Sanitary systems  
 Laundry equipment  
 Recreation equipment  
 Gangways & ladders

**NAVIGATION & COMMUNICATIONS SYSTEMS**

Radars  
 Gyro compasses  
 Gyro repeaters  
 Auto pilot  
 DF  
 Bridge watch keeping receiver  
 Loadicator  
 Speed Log  
 Echo Sounder  
 VHF  
 Satnav , GPS & Differential GPS  
 Satcom Sat A , Sat C  
 GMDSS equipment  
 Back up batteries & charging system  
 Weather fax  
 Telephones systems  
 Walkie talkies  
 Charts & publications

**ANCHORING & MOORING SYSTEMS**

Windlasses  
 Anchors and cables  
 Chain lockers incl pumping arrangements  
 Mooring winches  
 Capstans  
 Tugger Winches

**COMPRESSED AIR SYSTEMS**

Main & auxiliary starting air systems  
 Control air compressors systems  
 General deck / service air systems  
 Emergency air systems

**COOLING SYSTEMS**

Seawater cooling pumping systems  
 Freshwater cooling pumping systems  
 Heat exchangers and coolers

**MONITORING SYSTEMS**

Sewage plant  
 Oily water separator plant  
 General waste disposal and monitoring

**COATINGS & CATHODIC PROTECTION SYSTEMS**

Cargo spaces coatings & cathodic protection  
 Ballast water spaces coatings & cathodic protection  
 Cofferdams & void spaces coatings  
 Storage rooms & compartments coatings  
 Engine room spaces coatings  
 Machinery & equipment  
 Accommodation spaces coatings  
 External decks coatings  
 External fittings coatings  
 External houses coatings  
 External piping & associated fittings coatings  
 External hull coatings & Cathodic protection

## **LIFESAVING & FIRE PROTECTION**

Medical supplies & equipment  
Lifeboats incl. stores, engine, davit, wires, falls and winches  
Life rafts, life jackets, lifebuoys  
Emergency, alarm & communications equipment  
Fire/gas detection, monitoring, & alarm equipment  
Fixed fire extinguishing system (CO2, foam etc.)  
Portable fire extinguishers  
Main fire pumps  
Emergency fire pumps  
Fire mains, hydrants, hoses & fittings  
Breathing apparatus, air compressors, lifelines etc.  
Fire dampers and quick closing devices

## **LUBRICATING OILS**

Lubricating oil pressure systems  
Lube oil tanks, sumps & fittings  
Lube Oil separating plants  
Lube Oil filtration plants  
Lube Oil transfer systems

## **FUEL OIL SYSTEMS**

Fuel Oil Pressure pumping systems  
Fuel Oil tanks & fittings  
Fuel Oil separating plant  
Fuel Oil filtration plant  
Fuel Oil transfer system  
Fuel piping, valves & fittings

## **GENERAL STORES**

General consumable stores engine & electrical  
General consumable stores deck  
General consumable stores cabin