

**Technical Proposal**

**For the supply of**

**5000TLC Floating Dock**



**ISSUED DATE: 16<sup>th</sup> July 2019**



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## MAIN PARTICULAR

### 1.1 General description

The ship is to be designed as a floating dock of caisson type with double bottom and hull construction, it is of non-propelled dock, and electrical power is of shore power supplying, but ready for the installation of generators.

The way of ballast is by gravity and de-ballast is by discharge pumps.

### 1.2 Principal Particulars

Length overall	:	150.00 m
Length of pontoon	:	126.00 m
Width between outside walls	:	38.80 m
Width between inside walls	:	34.00 m
Height of sidewall	:	8.40 m
Height of pontoon	:	3.70 m / 3.60 m
Height of top deck to baseline	:	12.00 m
Operation draft	:	3.10 m
Max. immersion draft	:	8.05 m
Max. displacement	:	20117.50 t
Max. DWT	:	15245.00 t
Gross Tonnage	:	16665
Net Tonnage	:	8358
Hull & deck material	:	Steel (marine steel CCSA)
Type of structure	:	Longitudinal frame system

### 1.3 Performance

Max. Lifting Capacity	:	5000 t
Max. Lifting time	:	2 hours at max. lifting capacity
Service area	:	Shelter area
Class	:	ZC
Built year	:	2019.4.30

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## 1.4 Main Equipments

### 1.4.1 Main ballast pump:

Type : SOW 300-300L centrifugal pump

Capacity: 960 m<sup>3</sup>/h × 0.115 Mpa × 1450 r/min × 8 sets

Motor : 45 kW each

### 1.4.2 Bilge pump & Fire pump:

Type : CISG100-200

Capacity : 100 m<sup>3</sup>/h × 0.5 Mpa × 2900 r/min × 2 sets

Motor : 22 kw

### 1.4.3 Ventilation Fan

Type : JCZ-30A

Capacity : 1200~1800 m<sup>3</sup>/h × 12 sets

Motor : 0.75 kw

### 1.4.4 Deck Crane

Tower crane × 4 sets, YQ-3T, 3t

### 1.4.5 Deck Machinery

FWD windlass × 2 sets, YM50-2-45

with warping end used for translocation of docking ship

### 1.4.6 Anchor & Chain

AFT Hall's anchor (type C) 2100 kg × 1 set

FWD Hall's anchor (type C) 5250 kg × 3 sets

### 1.4.7 Anchor Chain

AFT Anchor chain, AM2-52, φ52 × 110 m

FWD Anchor chain 1, AM2-52, φ52 × 110 m

FWD Anchor chain 2, AM3-52, φ52 × 137.5 m

FWD Anchor chain 3, AM2-56, φ56 × 110 m

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