

## CAPABILITY & YARD DETAILS

### 1.0 YARD DETAILS

1.1	Yard Location(s)	Port Harcourt Base, Warri Base , Onne Yard
1.2	Modular Fabrication Area (m <sup>2</sup> )	PH Base Nil Warri Base 15,000 m <sup>2</sup> Onne Yard 10,000 m <sup>2</sup> and possibility up to 25,000 m <sup>2</sup>
1.3	Deck Assembly Area (m <sup>2</sup> )	Part of above
1.4	Deck Erection Area (m <sup>2</sup> )	Part of above
1.5	Jacket Erection Area (m <sup>2</sup> )	Part of above
1.6	Piping Spool Shops (m <sup>2</sup> )	PH Base 500 m <sup>2</sup> Warri Base 1,800 m <sup>2</sup> Onne 500 m <sup>2</sup>
1.7	Pre-Fabrication Shops (m <sup>2</sup> )	PH Base 1,200 m <sup>2</sup> Warri Base 1,800 m <sup>2</sup> Onne 1,500 m <sup>2</sup>
1.8	Vessels & Skids Shops (m <sup>2</sup> )	N/A
1.9	Brace Shops (m <sup>2</sup> )	Included in Pre-Fabrication shop
1.10	Pile Racks (m <sup>2</sup> )	
1.11	Beam Preparation Facility (m <sup>2</sup> )	
1.12	Cladding Facility (m <sup>2</sup> )	
1.13	Blast & Paint Shops (m <sup>2</sup> )	PH Base 300m <sup>2</sup> Warri Base 300 m <sup>2</sup> Onne 300 m <sup>2</sup>
1.14	Electrical Supply & Backup (kVA)	PH Base 300 KVA ( Increase and back up available as required) Warri Yard 300 KVA ( Increase and back up available as required) Onne 300 KVA ( Increase and back up available as

		required)
1.15	Warehouse / Bulk Storage Area (m <sup>2</sup> )	PH Base 4,000m <sup>2</sup> Warri Base 600 m <sup>2</sup> Onne 500 m <sup>2</sup>
1.16	Office Area (m <sup>2</sup> )	PH Base 1,500 m <sup>2</sup> Warri Base 250 m <sup>2</sup> Onne 450 m <sup>2</sup>

## **2.0 MANPOWER**

2.1	Number of Employees	Expat: 50 Nigerian: 600 Proven Capability Expat 180 & Nigerian 2000
2.2	Workload / Manpower Histogram	Refer to attached files
2.3	Subcontractors	Engineering / Civil / NDT / Painting / Insulation

## **3.0 MACHINERIES**

3.1	Rolling Machines	Width range:3 meters
		Thickness range: 20 mm
3.2	Pipe / Plate & Beam Cutting Machines ( available as from dec 2013)	Pipe dia. Range: 2-20"
		Thickness Range:0-40 mm
		Max Size of Plate:10000x 3500
		Length Range:
3.3	Reel Base	N/A
3.4	Pre-Post Heat	3 Mobile equipment
3.5	Welding Machines	More than 60

3.6	Other Machines	As required

#### **4.0 EQUIPMENT**

4.1	Cranes	No.	Type	Lifting Capacity (mt)	Radius (m)
4.1.1	Hydraulic Cranes	7	Various	40 to 250 tons	
4.1.2	Tower Cranes	Nil			
4.1.3	Overhead Crane ( Warri Yard)	4		10 Tons	
4.2	Man Lift	1			
4.3	Trucks & Trailers	2			
4.4	Forklifts	7			
4.5	Civil Works Equipment	0			
4.6	Pulling Equipment	0			
4.7	Load-out Equipment	Hire			
4.8	Multi-wheel Trailer	Hire			
4.9	Other equipment				

## **5.0 SOFTWARE**

5.1	Software Used	Auto Cad, Primavera.
-----	---------------	----------------------

## **6.0 CAPABILITIES**

6.1	Yard Capabilities a) Port Harcourt: 250 Tons per annum b) Onne FOT Yard: 1,800 Tons per annum c) Warri 2,400 Tons per annum
6.2	Engineering Capabilities a) Sub-Contracted as required
6.3	Welding Capabilities (SAW, SMAW, TIG, FCAW) a) SMAW b) TIG

## **7.0 MECHANICAL WORKSHOP**

7.1	Workshop Facilities & Equipment Available (Structural, piping, electrical, etc) a) Please refer to attached documents
-----	--

## **8.0 SANDBLASTING / PAINTING**

8.1	Painting Facilities a) 1 Painting workshop on each yard 300 m <sup>2</sup>
-----	---

## 9.0 DOCKING

9.1	Dry Dock	Number of dry docks: NIL
		Capacity (dwt):
		Size:
9.2	Wharfage	Number of berth: Warri and Onne
		Length:200 meters and 1,000 meters
		Depth: 6 meters & 12 meters
9.3	Dock & Quay Crane	Number of cranes: 2 Available on Hire
		Capacity: 400 Ton and 600 Ton
9.4	Floating Crane	Type: NIL
		Capacity:
9.5	Heavy Load Out Facility	Available
9.6	Roll-on-Roll-off Jetty	100 Tons
9.7	Draft Clearance	Minimum depth 6 meters
9.8	Tugs	Number of support tugs available:0

## 10.0 SKIDWAYS

10.1	Skidways	Number of skidways: NIL
		Length:
		Loadout Capability:

## 11.0 MATERIAL OF CONSTRUCTION (MOC)

11.1	Standard / Exotic MOCs Experience List
a)	Carbon Steel
b)	Stainless steel
c)	Duplex
d)	9% Nickel
e)	Cupro Nickel
f)	Inconel

## 12.0 ADDITIONAL INFORMATION

12.1	Accessibility / Distance to Airport (km)	Port Harcourt & Onne 40 Km, Warri 5 Km
12.2	Accessibility / Distance to Rail (km)	Nil
12.3	Annual Temperature ( <sup>0</sup> C)	30 Deg C
12.4	Annual Rainfall Average (mm)	2,000 mm
12.5	Free Trade Zone (Yes/No)	ONNE FOT Yard is in FTZ