

GEMADEPT CORPORATION

GEMADEPT DUNG QUAT INTERNATIONAL PORT

\*\*\*§\*\*\*

# Port information

\*\*\*§\*\*\*



Date updated: Oct, 2017.

Composed and updated by: Nguyen Mai Truong/Adwin Nguyen

Email: [truong.agy@gmddungquat.com.vn](mailto:truong.agy@gmddungquat.com.vn)

**Gemadep Port – Port information**

**CHANNEL**

1	Min. Depth below chart datum	12 m
2	Min Width	120 m
3	Quality of Bottom	Mud and sand
4	Required UKC	50 cm
5	Dredging plan & maintenance	Depending on port's operation situation
6	Route / Distance to Gemadep berth	03 miles ( about 05 kms)
7	Time to complete	1.5 hour
8	Tidal regime	irregular diurnal.
9	Average tidal range	1.2 m
10	Break water	1.5 km.

**TURNING BASIN**

1	Location: CENTER	15°24'48"3 / 108°47'28"5
2	Diameter L x B	360 x 360 m.
3	Min. Depth below chart datum	12 m
4	Quality of bottom	Mud and sand
5	Required UKC	50 cm

**ANCHORAGE**

1	Location	15°26'30"N, 108°45'30"E
2	Depth	20 m
3	Quality of Bottom	Mud and sand

**NAVIGATION AID (CHART SCALE SYSTEM)**

1	Channel buoys	15°26'13"1 (N); 108°45'10"5 (E)
2	Beacons	Yes
3	Transit Marks	Yes

**PILOT (Pilot Company - Zone IV - Da Nang City)**

1	Pilot Station	15°26'30"N, 108°45'30"E
2	Service hour	24 hours, depends on wind speed, currents, vessel's draft ...
3	Communication between pilot and vessel	By VHF on CH16, then change to CH12 for working
4	Maneuvering methods in the harbor	Heaving line get on shore then make fast the ship's rope on bits and floating dolphin

**TUGBOAT**

1	Number of tugboat	<ul style="list-style-type: none"> <li>✓ An Hai 27: 2,800 Hp</li> <li>✓ An Hai 09: 980 Hp</li> <li>✓ Song Hong 02: 2,800 Hp</li> <li>✓ Tra Giang: 500 Hp</li> <li>✓ PTSC 04: 2,200 Hp</li> <li>✓ <b>Viet My 18 GMD: 4,800 Hp</b></li> </ul>
2	Tower Rope	Vessel's rope
3	Where making fast tugs for entering & dispatch for departure	At Buoy 1
Criteria for numbers of tugs for vessel's entry & departure:		
4	<p><b><u>a.1 Berthing at berth :</u></b></p> <ul style="list-style-type: none"> <li>➤ Vessels with length of overall from 80m to 110m have to use minimum 1 tugboat with at least 500 Hp each.</li> <li>➤ Vessels with length of overall from 110m to 140m have to use minimum 2 tugboats with at least 500 Hp &amp; 800 Hp each</li> <li>➤ Vessels with length of overall from 140m to 170m have to use minimum 2 tugboats with at least 800 Hp &amp; 1100 Hp each.</li> <li>➤ Vessels with length of overall from 170m to 250m have to use minimum 3 tugboats with at least 500 Hp 800Hp &amp; 1700 Hp each.</li> <li>➤ Vessels with length of overall over 250m have to use minimum 4 tug-boats with 1 tugboat with at least 1700 Hp &amp; 2 tugboats with at least 1200 Hp each and 1 tugboat with at least 800 Hp.</li> </ul>	<p><b><u>a.2. Un-berthing:</u></b></p> <ul style="list-style-type: none"> <li>➤ Vessels with length of overall from 80m to 110m have to use minimum 1 tugboat with at least 500 Hp.</li> <li>➤ Vessels with length of overall from 110m to 140m have to use minimum 2 tugboats with at least 500 Hp each.</li> <li>➤ Vessels with length of overall from 140m to 170m have to use minimum 2 tugboats with at least 500 Hp &amp; 800 Hp each.</li> <li>➤ Vessels with length of overall from 170m to 250m have to use minimum 3 tugboats with at least 500 Hp &amp; 800 Hp and 1100 Hp each.</li> </ul>
	<p>b. Beside basing on the actual factors, Director of Quang Ngai Marintine administration will decide the numbers of tugboat and hose-powers of each one using for marine-safety, regulated as following:</p> <ul style="list-style-type: none"> <li>➤ Vessels transporting with Gas, oil, liquid, explosive...</li> <li>➤ Vessels transporting with special equipments</li> </ul>	
5	Install VHF on Tug boat or not	Obligation
6	Operating Criteria	Pilot's order
7	Owner & Operator	An Hai Co., Ltd. PTSC. Gemadep Dung Quat Port.



## BERTH FACILITY

1	<b>Name of berth</b>	<b>Gemadep Dung Quat Internatioanl Port - GMP.</b>
	a. Max allowable size / dwt	<b>70,000 dwt for vessels loading woodchip cargo. 50,000 dwt for vessels loading/discharging other kinds of cargo in bulk.</b>
	b. LOA	Berth LOA 145 + 110 m ( 02 x 200 ton floating buoys at 02 ends) <b>Vessels JR SUMMER with DWT 71,120 mts, LOA 228 m berthed successfully</b>
	c. Width of berth	33.5 m
	d. Depth / Height of berth	16 m (12m + 4m)
	e. Sailing draft	<b>12 m.</b>
	f. Speed	Pilot's order – Master should be carefull when vessel connect to berth; speed for connect to berth's fender not over than 0.1m/s. Angle between ship and berth's not over than 1degree
	g. U-turn Leading-Bridge	Length: 40 m - Width: 15m
	h. Position	15 <sup>o</sup> 24'08"N, 108 <sup>o</sup> 47'50"E
2	Water depth below mean L.W. springs	No effect
3	Required UKC	50 cm
4	Length of berth	145 m
5	Height of deck level / Air draft	No Limit
6	Max size of vsl ever accommodated	<b>71,120 Mts DWT / Mv. JR SUMMER</b>
7	Fender Type and materials	Modern Bridge Stone Buffer System, Rubber Dem: 1,510 x 1,810 x 1,305 mm Dwt of Buffer: 70.000 dwt
	Number & interval	14 fenders /145m with 10 m interval
8	Mooring Bit	8 bits, force 75 mts
9	Berth available & occupancy	<b>Gemadep Dung Quat International Port - GMP</b>
10	<b><u>Shore-crane and Grab:</u></b>	
	Liebherr Shore crane	02 shore cranes moving along the 145 m rail system, with the reachable distance from 4,05 to 32 m, round turn, Safe Weight Load of 40 tons, 15 moves/hour
	Buckets / Grabs	<b>Brand:</b> Zishi, Model: YK17 – 5; <b>Capacity:</b> 7.2 m3 <b>Brand:</b> Guven – Electro Hydraulic Clamshell Grab; <b>Capacity:</b> 10 m3
11	<b><u>Forklift and reach stacker:</u></b>	
	Forklift	01x28 SWL, 01x3,5 SWL, 01x4.0 SWL
	Reach stacker	01x 45 SWL
12	Priority System	Follow the Vessel line-up
13	Availability of fresh water	Shore hose connection
14	Bunker supply	Available DO, FO, LO but must be ordered before 48 hours
15	Installation of docking sonar	Nil
16	Density of harbour water	1.010 –1.021
17	Restriction	Wood-chip bulk carrier 70,000 dwt
18	Floating Bouys	02 x 200 tons floating buoys at 02 ends
19	Trailer & chassiss	05 trailers for container & 02 trailers for equipment cargo
20	Spreaders	02 x 20'; 02 x 40' 40' specialized for container handling

21	<b>Conveyor assembly</b>	<b>03 sets.</b>
22	Electric Weight Balance (80 tons)	01 set
23	Working time	24/7



## LOADING RATE

1	Type and number of loader	Ship-cranes, 02 shore-cranes, <b>03 conveyors</b>
2	Loading rate for Silica sand	6,000mts / 24hours / 02 gangs
3	Loading rate for wood chip	8,000 mts / day / 01 conveyor.
4	Working hour	24 consecutive hour working including Sunday & Holiday
5	Loading method for Silica in bulk	Port's Buckets / grabs, Metal box & shore-cranes
6	Discharging method for soda ash	Port's Buckets / grabs, Metal box & shore-cranes, shore Hoppers 3,500 – 4,000mts/day.



## COMMUNICATION

1	Communication among Pilot, captain, port, agent, tug, port authority for berthing / unberthing / shifting	By VHF – Channel 16 then change to 12 for working
2	Communication between vsl and port	By VHF – Channel 01



## QUARANTINE

1	Availability of radio pratique system	Nil
2	Quarantine station	Pilot Station
3	Service hour	Working hour
4	Necessary Documents	Derating Exemption Certificate, marine health declaration; all crew temperature declaration; crew list; voyage memo



## CUSTOMS AND IMMIGRATION

1	Place where officers boarding	No boarding – in/outward formality at port authority office
2	Service hour	Working hour
3	Documents	B/L, Cargo Manifest, Cargo plan, Crew effect list, Bond store list, Ship's store list, Ship's property list, Engine store list, Foreign currency list, Passport, seaman-book, etc...