

JURONG ISLAND, HORIZON BANYAN TERMINAL(S) PTE LTD - OBH

JETTY	DEPTH A/S (m)	APPROACH DEPTH (m)	MAX LOA (m)	MAX DISPL. (Tons)	REMARKS
OBH1	16.8	16.2	333	275,000	
OBH2	16.5		260	150,000	
OBH3	16.5		200	66,000	
OBH4	16.5		200	66,000	

GENERAL INFORMATION

- 1 No berthing for vessels above maximum displacement.
- 2 Berth 1 (OBH1) is located in tidal water (Outer Banyan Basin).
- 3 Approaches to the Banyan Basin entrance is affected by cross current and tidal restriction apply – see Pilotage guidelines below.
- 4 During the approach to the entrance of Banyan Basin, it is prudent to stem the prevailing current particularly when the tidal stream exceeds 1 knot in the Sinki Fairway prior entering the Banyan Basin.
- 5 Communication : Pilot Walkie Talkie channel - P07
: Operation room number - +65-6303-8222/3/5
- 6 Tugs requirement:
 - a) If vessel's LOA >250 metres and draft > 14.0 metres, 3 tugs are to be assigned.
 - b) VLCC with draft >15m or GT >100,000, 4 tugs to assist for berthing or unberthing operation.
 - c) VLCC when transiting the channel shall have two tugs to escort.

PILOTAGE GUIDELINES

1 BERTHING (Day and Night)

Flood and Ebb Tide

a) Tidal strength ≤ 0.5 kts

Day: No restriction

Night: No restriction

b) Tidal strength > 0.5 to < 1.0 kts

Day: No restriction

Night: Draft < 15.0 metres or GT $< 100,000$ T: No restriction
Draft ≥ 15 metres: No berthing if LOA ≥ 270 metres

c) Tidal strength > 1.0 kts to < 1.5 kts

Day: Draft < 12.5 metres: No restriction
Draft ≥ 12.5 metres: No berthing if LOA ≥ 250 metres.

Night: Draft < 12.0 metres: No restriction
Draft ≥ 12.0 metres: No berthing if LOA ≥ 230 metres.
GT $\geq 100,000$: No berthing

d) Tidal strength > 1.5 kts to < 2.5 kts

Day: Draft < 11.0 metres: No restriction
Draft ≥ 11.0 metres: No Berthing if LOA ≥ 240 metres
Draft ≥ 12.5 metres: No Berthing if LOA ≥ 200 metres
GT $\geq 100,000$ T: No berthing

Night: Draft < 11.0 metres: No restriction
Draft ≥ 11.0 metres: No berthing if LOA ≥ 230 metres
Draft ≥ 12.5 metres: No berthing if LOA ≥ 180 metres
GT $\geq 100,000$ T: No berthing

e) Tidal strength > 2.5 kts

Day: Draft < 10.0 metres: No restriction
Draft ≥ 10.0 metres: No Berthing if LOA ≥ 220 metres
Draft ≥ 11.0 metres: No Berthing if LOA ≥ 200 metres

GT ≥100,000: No berthing

Night: Draft <10.0 metres: No restriction
Draft ≥10.0 metres: No berthing if LOA ≥200 metres
Draft ≥11.0 metres: No berthing if LOA ≥ 180 metres
GT ≥100,000: No berthing

2 UNBERTHING (Day and Night)

Flood and Ebb tide

a) Tidal strength ≤0.5 kts

Day: No restriction

Night: No restriction

b) Tidal strength >0.5 kts to <1.5 kts

Day: No restriction

Night: Draft <14.0 metres: No restriction
Draft ≥14.0 metres: No unberthing if LOA ≥240 metres

c) Tidal strength >1.5 kts to <2.5 kts

Day: No restriction

Night: Draft <13.0 metres: No restriction
Draft ≥13.0 metres: No unberthing if LOA ≥240 metres
GT ≥100,000: No unberthing

d) Tidal strength >2.5 kts

Day: No restriction
GT ≥100,000: No unberthing

Night: Draft <12.0 metres: No restriction
Draft ≥12.0 metres: No unberthing if LOA ≥ 240 metres
GT ≥100,000: No unberthing

*Note: The Jetty is located in slack water. The above tidal restrictions are meant for the approach to Banyan basin entrance.

TUG GUIDELINES

TUG RECOMMENDATION FOR BERTHING AND UNBERTHING @:
OBH1, OBH2, OBH3 and OBH4.

LENGTH OVERALL OF VESSEL	NUMBER OF TUGS
Up to 70 metres LOA	Pilot to consult master on the use of tug and, if required, order from the tug company nominated by the agent
71 to 122 metres LOA	1 small tug
123 to 152 metres LOA	2 small tugs
153 to 180 metres LOA	2 medium tugs
181 to 250 metres LOA	2 big tugs
For vessel more than 250 metres LOA with draft > 14 metres	3 big tugs
For vessel more than 250 metres with GT > 75,000	4 big tugs

Revised: 26 May 2014