

## JURONG ISLAND, VOPAK BANYAN TERMINAL(S) PTE LTD - OBV

JETTY	DEPTH A/S (m)	APPROACH DEPTH (m)	MAX LOA (m)	MAX DISPL. (Tons)	REMARKS
OBV1	16.5	16.2	260	144,000	
OBV2	16.5		260	96,000	
OBV3	11.5		170	31,350	
OBV4	15.5		185	61,550	
OBV5	15.2		235	96,000	
OBV6	16.5		235	96,000	
OBV7	16.4		235	96,000	

### GENERAL INFORMATION

- 1 No berthing for vessels above maximum displacement
- 2 Berth located in slack water (Inner Banyan Basin) – no restriction to berthing side.
- 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 – P03  
: Operation room number: +65-6896-7300/7301
- 6 Berth Box:
  - Jetty 1: 291 metres
  - Jetty 2: 291 metres
  - Jetty 3: 187 metres

Caution: Shallow water exists beyond the berth box of OBV1, OBV2 and OBV3 toward the shore side.
- 7 If vessel's LOA >250 metres and draft > 14.0 metres, 3 tugs are to be assigned.

For vessel with GT > 75,000 tonnes, 4 tugs are to be assigned.

### PILOTAGE GUIDELINES

#### 1 BERTHING (Day and Night)

##### Flood and Ebb Tide

##### a) Tidal strength < 1.0 kts

Day: No restriction

Night: No restriction

**b) 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.

**c) 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

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

**d) 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

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

**2 UNBERTHING (Day and Night)**

**Flood and Ebb tide**

**a) Tidal strength <1.5 kts**

Day: No restriction

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

**b) 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

**c) Tidal strength >2.5 kts**

Day: No restriction

Night: Draft <12.0 metres: No restriction

Draft ≥12.0 metres: No unberthing if LOA ≥ 240 metres

\*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 @:  
**OBV1, OBV2, OBV3, OBV4, OBV5, OBV6 and OBV7**

<b>LENGTH OVERALL OF VESSEL</b>	<b>NUMBER OF TUGS</b>
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
More than 250 metres LOA and draft >14.0m	3 big tugs
For vessel more than 250 metres LOA with GT > 75,000	4 big tugs