JURONG ISLAND - BANYAN BASIN
VOPAK TERMINALS SINGAPORE PTE LTD (OBV)

JETTY	DEPTH A/S (m)	APPROACH DEPTH (m)	MAX LOA (m)	MAX DISPL. (Tons)	REMARKS
OBV1	16.5		260	144,000	
OBV2	16.8		260	144,000	
OBV3	11.5		170	31,350	
OBV4	15.8	16.2	185	61,550	
OBV5	15.2		235	96,000	
OBV6	16.2		235	96,000	
OBV7	15.3		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 ASSIGNMENT GUIDELINES

TUG RECOMMENDATION FOR BERTHING AND UNBERTHING @:
OBV1, OBV2, OBV3, OBV4, OBV5, OBV6 and OBV7

LENGTH OVERALL OF VESSEL (LOA)	NUMBER OF TUGS	REMARKS
Up to 70 metres	Pilot , in consultation with the master, may order a tug from the tug company nominated by the ship's agent	
71 to 122 metres	1 small tug	A vessel equipped with a suitable bow/stern thruster(s), in good working condition, may dispense with the need for a tug in that position.
123 to 152 metres	2 small tugs	
153 to 180 metres	2 medium tugs	
181 to 250 metres	2 big tugs	
251 metres and above with draft >14.0m	3 big tugs	
251 metres and above with GT > 75,000	4 big tugs	

CHARTLET

Chartlet for illustration purposes only, not to be used for navigation. For navigation, mariners are advised to use the appropriate BA nautical charts.