

**JURONG ISLAND - SAKRA BASIN
PETROCHEMICAL CORPORATION OF SINGAPORE (OPCS)**

JETTY	DEPTH A/S (m)	APPROACH DEPTH (m)	MAX LOA (m)	MAX. DISPL. (tons)	REMARKS
OPCS1	1.5	2.5	41		Barge Pier.
OPCBA	3.0	3.0	100		Barge Pier. No night movement.
OPCS3	10.0	10.0	130	8,000	PCs shall ensure 60m overall clearance between vessels for daylight operations and 100m overall clearance for night operations.
OPCS4	11.8	12.0	140	14,000	
OPCS5	11.9	11.9	140	45,760	
OPCS6	14.2	14.2	259	145,000	

GENERAL INFORMATION

- 1 No berthing if wind speed > 20 knots.
- 2 No movement above maximum displacement
- 3 Please note the existence of submarine gas pipelines located in close proximity of OPCS6.
- 4 Vessel's operator, master or person-in-charge, and pilot must immediately contact Port Operations Control Centre if their vessel causes, or is suspected to have caused, any damage to a submarine cable or pipeline or tunnel. Offenders whose vessels damage submarine cables, pipelines and tunnels may be prosecuted.
- 5 Tug requirements (for berthing/unberthing):
 - Day/Night - 1 tug for LPG Carriers and Chemical Carriers of LOA \leq 100m.
 - 2 tugs for LPG Carriers and Chemical Carriers of LOA > 100m and other types of vessels LOA > 122m.
- 6 The maximum LOA for vessels berthing at jetty 5 is 140m. This is due to piles supporting the dolphins are inclined and protruding towards the line of jetties.
- 7 Pilot Walkie-Talkie Channel: P03

PILOTAGE GUIDELINES

1. BERTHING / UNBERTHING (DAY)

a. OPCS1, OPCS3, OPCS4, OPCS5 and OPCBA

No restriction.

b. OPCS6

Flood Tide

Tidal strength ≤ 2.0 knots (Sinki Fairway – BANYAN Prediction)
- No restriction.

Tidal strength > 2.0 knots (Sinki Fairway – BANYAN Prediction)
- No berthing/unberthing.

Ebb Tide (Berthing)

Tidal strength ≤ 0.5 knots (Sinki Fairway – BANYAN Prediction)
- No restriction.

Tidal strength > 0.5 to 1.5 knots (Sinki Fairway – BANYAN Prediction)
- LOA ≤ 122 m.

Tidal strength > 1.5 knots (Sinki Fairway – BANYAN Prediction)
- No berthing.

Ebb Tide (Unberthing)

Starboard A/S

Tidal strength > 1.0 knots (Sinki Fairway – BANYAN Prediction) and Draft ≥ 12 m
- No unberthing.

Tidal strength > 2.0 knots (Sinki Fairway – BANYAN Prediction)
- No unberthing.

Port A/S

Tidal strength ≤ 0.5 knots (Sinki Fairway – BANYAN Prediction)
- No restriction.

Tidal strength > 0.5 to 1.5 knots (Sinki Fairway – BANYAN Prediction)
- LOA ≤ 122 m.

Tidal strength > 1.5 knots (Sinki Fairway – BANYAN Prediction)
- No unberthing.

2. BERTHING / UNBERTHING (NIGHT)

a. OPCS1 and OPCBA

No night movement.

b. OPCS3 to OPCS5

- | | | |
|-----|-----------------|-------------------------|
| i) | LOA \leq 122m | No restriction. |
| ii) | LOA > 122m | No berthing/unberthing. |

c. OPCS6

Flood Tide

Tidal strength \leq 2.0 knots (Sinki Fairway – BANYAN Prediction)
- No restriction.

Tidal strength >2.0 knots (Sinki Fairway – BANYAN Prediction)
- No berthing/unberthing.

Ebb Tide (Berthing)

Tidal strength \leq 0.5 knots (Sinki Fairway – BANYAN Prediction)
- No restriction.

Tidal strength >0.5 to 1.5 knots (Sinki Fairway – BANYAN Prediction)
- LOA \leq 122m.

Tidal strength >1.5 knots (Sinki Fairway – BANYAN Prediction)
- No berthing.

Ebb Tide (Unberthing)

Starboard A/S

Tidal strength >1.0 knots (Sinki Fairway – BANYAN Prediction) and Draft \geq 12m
- No unberthing.

Tidal strength >2.0 knots (Sinki Fairway – BANYAN Prediction)
- No unberthing.

Port A/S

Tidal strength \leq 0.5 knots (Sinki Fairway – BANYAN Prediction)
- No restriction.

Tidal strength >0.5 to 1.5 knots (Sinki Fairway – BANYAN Prediction)
- LOA \leq 122m.

Tidal strength >1.5 knots (Sinki Fairway – BANYAN Prediction)
 - No unberthing.

TUGS ASSIGNMENT GUIDELINES

The following are guidelines for assigning tugs to vessels berthing & unberthing at Jetties 3 to 6

LENGTH OVERALL OF VESSEL (LOA)	NUMBER OF TUGS	REMARKS
Up to 100 metres	1 small tug	
101 to 152 metres	2 small tugs	
153 to 180 metres	2 medium tugs	
181 metres and above	2 big tugs	

Note: A vessel equipped with a thruster is **NOT** dispensed with the need for a tug in that position.

CHARTLET

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

