

Annexure G

Technical Specifications for Proposed Berth 605 – Artistic Impression



Technical Specifications for Proposed Berth 605 – Design Vessel Considerations

Table 1: Design Vessels to be Considered

| Container ships | | | | | | | |
|---------------------|--------------------|-------------------------|-------------------------------|------------|-----------------------|--|----------------|
| DWT: t | Displacement: t | Overall length: m | Length between perps: m | Beam: m | Max. draught: m | Number of containers (approximate) | Generation |
| 165 000 | NA | 400 | NA | 59.0 | 16.0 | 18 000 | Triple E class |
| 156 900 | NA | 397 | NA | 56.4 | 15.5 | 15 500 | PS class |
| Post-Panamax | | | | | | | |
| 104 000 | 143 000 | 340 | 330 | 42.8 | 14.5 | 8 000 | 7th |
| 85 000 | 119 000 | 320 | 300 | 42.0 | 14.2 | 6 400 | 6th |
| 70 000 | 95 000 | 285 | 270 | 41.8 | 14.0 | 5 000 | 6th |
| 60 000 | 82 000 | 260 | 252 | 38.0 | 13.4 | 4 400 | 5th |
| Panamax | | | | | | | |
| 55 000 | 75 000 | 270 | 260 | 32.2 | 12.5 | 3 900 | 4th |
| 50 000 | 68 000 | 260 | 250 | 32.2 | 12.5 | 3 500 | 3rd |
| 40 000 | 54 000 | 235 | 225 | 32.2 | 11.8 | 2 800 | 3rd |
| 30 000 | 41 000 | 210 | 200 | 30.5 | 10.8 | 2 100 | 2nd |
| 20 000 | 27 000 | 175 | 165 | 26.0 | 10.0 | 1 700 | 2nd |
| 15 000 | 20 000 | 152 | 145 | 23.5 | 8.7 | 1 000 | 1st |
| 10 000 | 13 500 | 130 | 125 | 21.0 | 7.6 | 600 | 1st |
| 7 000 | 10 300 | 120 | 110 | 20.0 | 6.8 | 400 | 1st |

- The Port envisages that the design vessel for proposed berth 605 will be based on the Post-Panamax range and larger, as per Table 1 above.
- The design parameters of proposed berth 605 will depend on the design vessel.

Technical Specifications for Proposed Berth 605 – Existing Channels and Basins

