**LAMPIRAN X: GUIDE TO PORT ENTRY**

### Amanapare

**Harbour Passage:** The distance from Buoy A to the port is approx. 15 km. The channel is well marked by buoy and beacons. Width of channel is 350-500 m. Depth for a wind bar between Buoy A and Buoy No. 1, approx. 3 km wide. The depth of water at the bar is the controlling factor as to whether all of a vessel's holds can be loaded at the Amanapare Dock or partly offshore at Buoy B. Tides are not marked. Neap tidal range averages 0.5 m. Full tidal range is approx. 2.7 m. When approaching the area on a clear night, lights in the mountains are visible and can be seen from approx. 50 n.m. offshore. The entrance channel is encroached by mangrove.

**Aids to Navigation:** Small red and white beacons and floating ramps.

**Plotting:** Not compulsory but strongly recommended. A Berthing Master is available on request to assist the Master with entering the channel.

**PRE-ARRIVAL INFORMATION:**

- **VHF:** Call Amanapare Radio, call sign “PKY 24” on 6115 kHz; type J3E, 888 on VHF, 6115 kHz; operating throughout 24 hours. Port works on Channel 12 and 16 or Channel 16.
- **Handy Talkie:** 1,332 h.p., Channels 1 and 2 used as propulsion units for “Akasa” and “Pumilos” barges; “Minika” and “Tembaga” 2, each 671 h.p. Barges are available throughout 24 hours.
- **BERTHS:**

<table>
<thead>
<tr>
<th>Berth</th>
<th>Length Width</th>
<th>Size</th>
<th>Depth</th>
<th>Cargo</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>47</td>
<td>210</td>
<td>500</td>
<td>6.0 Copper concentrate, fuel oil, small craft, passengers</td>
</tr>
<tr>
<td>2</td>
<td>250</td>
<td>8,000</td>
<td>6.0</td>
<td>General</td>
</tr>
<tr>
<td>3</td>
<td>289</td>
<td>8,000</td>
<td>6.0</td>
<td>Coal, fuel</td>
</tr>
</tbody>
</table>

**WEATHER/TIDES:**

- **Tidal Range:** Primary Port: Sungai Minika/Muara (lat. 9° 43' S, long. 136° 27' E), Lowest tide -0.3 m, Highest tide +3.3 m.
- **Current:** The current in the basin travels from west to east, salinity 3-4 parts per thousand.
- **Wind:** Strong wind from December to February (wet season), velocity 5-6 knots, and from May to July, velocity 3-5 knots.
- **Waves:** In the wet season the wave height can reach 4-6 m. In the area marked by Buoy A.

**Temperature:** 28°C-32°C.

**Air Pressure:** 1014.0 mbar.

**NEAREST AIRPORT:** Ternategupu Domestic Airport, 35 km.

**BANKS:** Bank Exim, BRI, Danamon and BPD.

**CUSTOMS:** Inspection and clearance normally takes one to two hours.

**GENERAL:** Handling Agents: Not available. Operator handles all general cargo, explosives and fuel. Company personnel operate general cargo cranes and other equipment.

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**SHIPMASTER’S REPORT:** October 1993

1. Ship’s echo sounder confirmed minimum Sea Bar Chart. Datum depth of 4.5 m. According to local information, the southern part of buoyed channel within area of Sea Bar is most desirable, so vessel should steer almost in line with Buoy No. 3 and No. 5 when passing bar.
2. General Anchorage (north of Buoy No. 10) with minimum depths 9 m, is very large in comparison with other anchorages close to port, and it is best to wait for high tide.
3. After passing Sea Bar, vessel radios the fact to Port Amanapare on VHF Channel 16. In case of stopping outside the bar at Buoy A, there is a signal for barges to proceed to vessel.
4. There are three barges to deliver cargo to the vessel: 2 x 2,500 tonnes and the new 3,500 tonne barge “Kamora”. Motor barge “Kamora” modern, one bow-shaped hull/barge with bow thruster, well protected with thrue Yokohama