

# PROBOLINGGO PORT DEVELOPMENT OF DOCK III AND IV



## Background

- Many large-sized ships are leaning, for example, Rich Ocean measuring 7000GT directly from the Port of Bangkok, Thailand which contains 6500 tons of tapioca flour on the first voyage and is planned to lean 3 times a month.
- Several cruise ships have been leaning on the Probolinggo Port since 2016 including :
  - Pacific Eden Cruise Ship (6 times)
  - Volendam Cruise Ship (6 times)
  - Dawn Princess Cruise Ship (2 times)
  - Sun Princess Cruise Ship (2 times)
  - Seabourne Encore Cruise Ship (2 times)
  - Sea Princess Cruise Ship (1 times)
  - Silver Discoverer Cruise Ship (3 times).
- Current port development is inadequate
- Alternative after Tanjung Perak Harbor which has been overloaded

## Potential Of Investment Attractiveness

- Potential hinterland (buffer zone) of Probolinggo port are industrial areas in Probolinggo, Pasuruan Industrial Park (PIR), Ngoro Industrial Park (NIP), and industrial areas in the southern region of East Java, which are projected to Utilize Probolinggo Port
- With the completion of the Pasuruan - Probolinggo toll road (operating in early 2019), it will facilitate access and speed up the journey to the port of Probolinggo
- The potential of international standard tourism in the Bromo - Tengger - Semeru (BTS) area, and cruise ship visits from Europe that will lean at the Probolinggo Port
- Probolinggo Port has passed the certification of The International Ship and Port Facility Security (ISPS) Code, so that foreign-flagged vessels can lean safely

# PROBOLINGGO PORT

## DEVELOPMENT OF DOCK III AND IV

<b>Location</b>	Jl Terminal Baru No 1 Probolinggo Port, Mayangan, Probolinggo City
<b>Land Area</b>	Reklamation & Causeway : 37.11 Ha
<b>Land Status</b>	Right to Manage
<b>Investment Value</b>	IDR 6,5 Trillion
<b>Asset ownership</b>	<ul style="list-style-type: none"> <li>• Land side port facilities built using the APBD have been dedicated to the Ministry of Transportation</li> <li>• Sea side port facility is an asset of the Ministry of Transportation</li> <li>• PT. DABN is implementing the Utilization Cooperation (KSP) to operate these assets</li> </ul>
<b>Business's Scheme</b>	<ul style="list-style-type: none"> <li>• PPP</li> <li>• B to B (PT. DABN with investor)</li> </ul>
<b>Supporting Infrastructure</b>	<ul style="list-style-type: none"> <li>• Location of Probolinggo Port directly to the National road</li> <li>• 11 Km from Exit Toll Probolinggo</li> <li>• Existing port facilities include : <ul style="list-style-type: none"> <li>• Dock I measures 93m x 18.5m depth -6 mLWS</li> <li>• Dock II measures 306m x 31m depth-10 mLWS</li> <li>• K-500 Paving Open storage with an area of 5,4 Ha</li> <li>• Warehouse 2 units with an area of @ 24m x 60 m</li> <li>• Causeway Rigid Beton (15 m x 923m) + (580m x 10m), axle capacity of 20 tons</li> <li>• Weighbridge 2 units</li> <li>• Port Office, Mosque, toilet, rest area, water tankers, fire truck</li> <li>• Water Reservoir 350 m2 1 unit</li> <li>• Garage 1 unit</li> </ul> </li> </ul>
<b>Utilities</b>	<ul style="list-style-type: none"> <li>• Electricity : &gt;555 KVA</li> <li>• Water Reservoir : 350 ton</li> </ul>
<b>Security</b>	24 hours security, street lights (solar Cell and PLN)

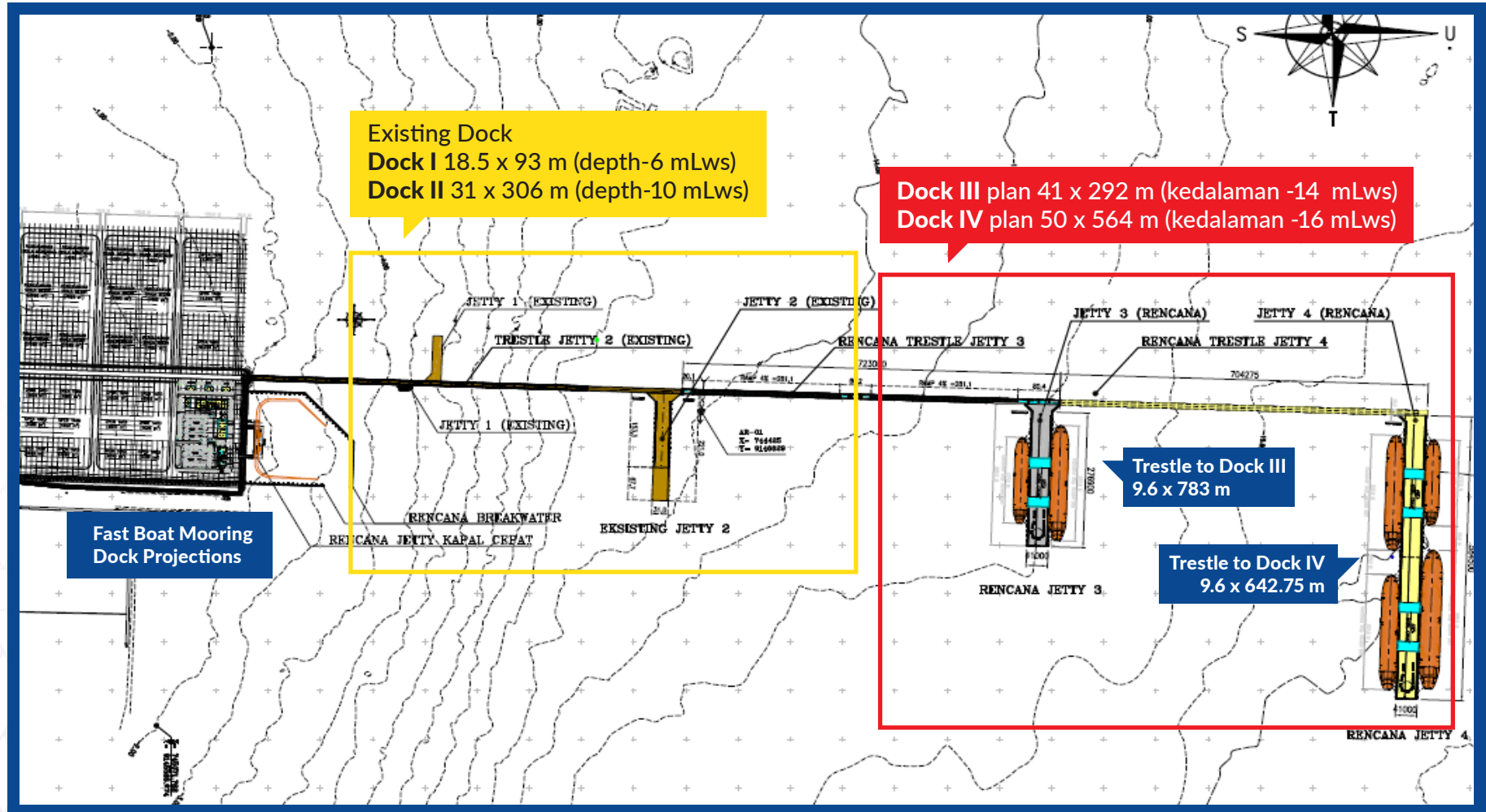
### DOCK III LAYOUT PLAN



- Dock structure is planned to have a deck on piles system, which beams and floor slabs rest on the piles
- The foundation uses steel piles with a diameter of 812mm thick 14mm for jetty and diameter 711mm thick 14 mm for trestle
- The dock will be equipped with loading and discharging facilities or equipment, namely gantry cranes and mobile cranes.

# PROBOLINGGO PORT

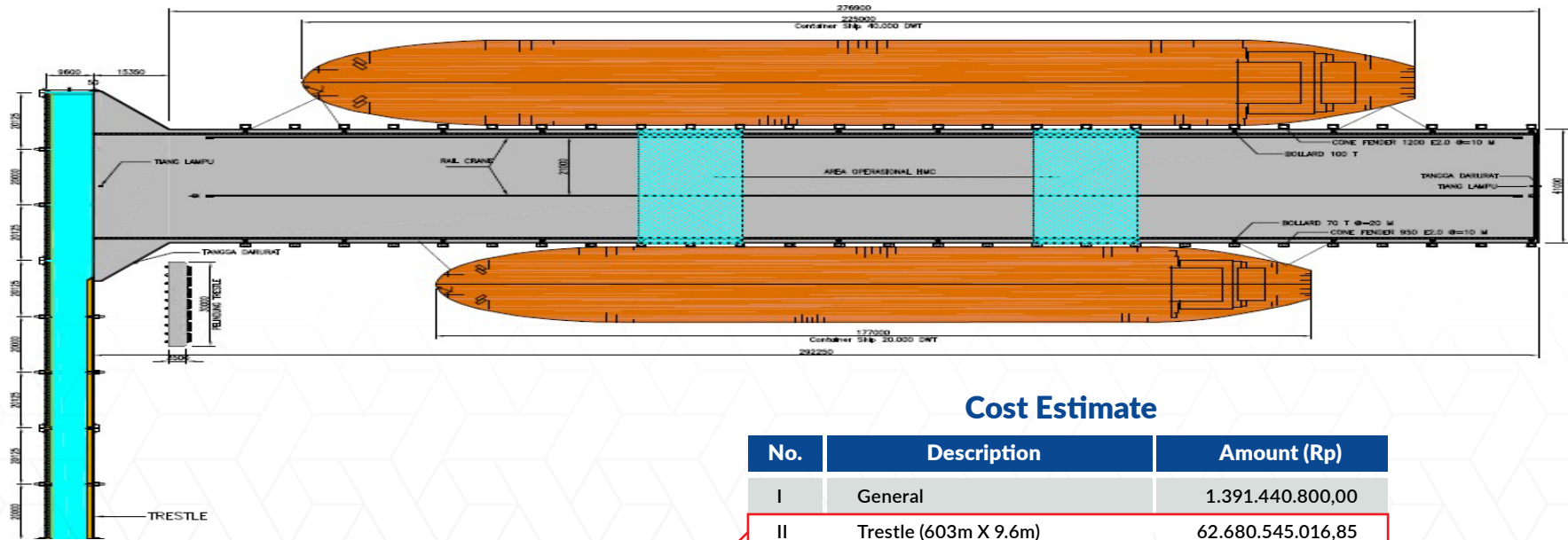
## DEVELOPMENT OF DOCK III AND IV



# PROBOLINGGO PORT

## DEVELOPMENT OF DOCK III AND IV

### JETTY III LAYOUT PLAN



### Cost Estimate

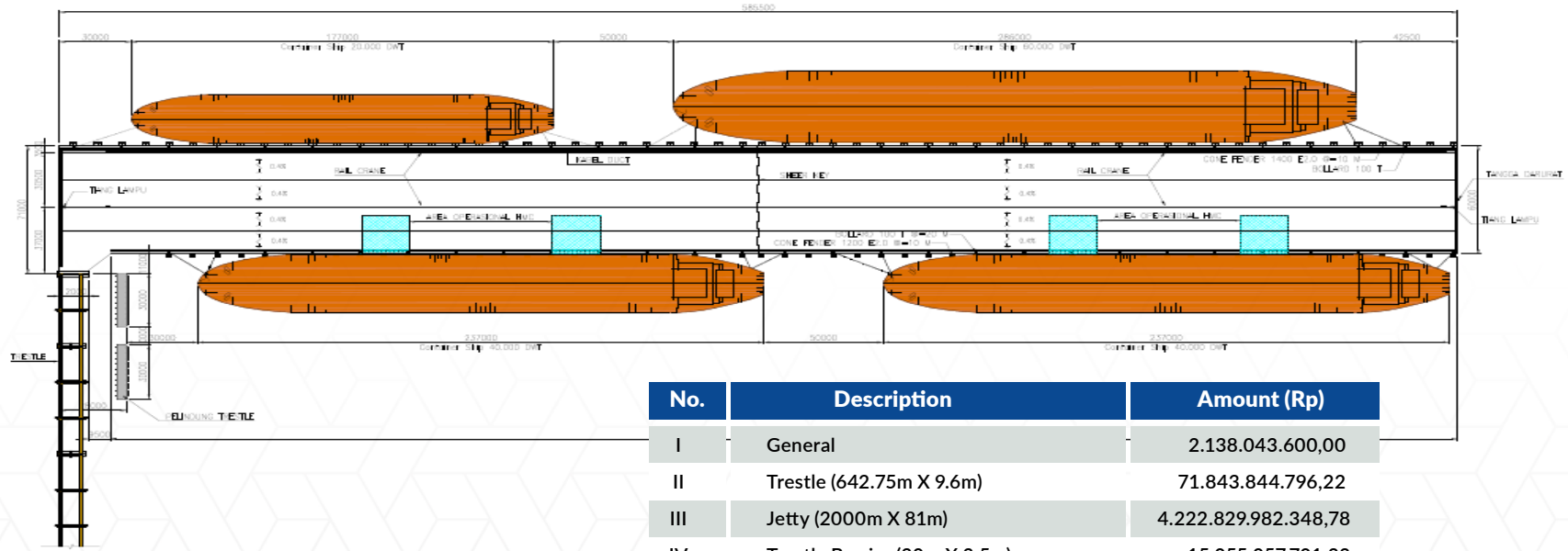
No.	Description	Amount (Rp)
I	General	1.391.440.800,00
II	Trestle (603m X 9.6m)	62.680.545.016,85
III	Jetty (290m X 41m)	178.199.349.200,79
IV	Trestle Barrier (30m X 3.5m)	5.668.530.498,79
V	Tugboat Jetty (30m X 4.75m)	2.248.351.274,21
A	<b>Total</b>	<b>250.188.216.790,64</b>
B	<b>Rounded</b>	<b>250.188.220.000,00</b>
C	<b>Tax 10%</b>	<b>25.018.822.000,00</b>
D	<b>Grand Total</b>	<b>275.207.042.000,00</b>

**Total Trestle : 783 X 9.6 M2**  
**Beginning Of Segments Along 9.6 X 180 M2**  
**Has Been Treated In 2018**

# PROBOLINGGO PORT

## DEVELOPMENT OF DOCK III AND IV

### JETTY IV LAYOUT PLAN



**Cost Estimate 2 Unit Gantry**  
Rp. 800.000.000.000,00

**Total Budget Needs**  
Rp. 6.500.000.000.000,00

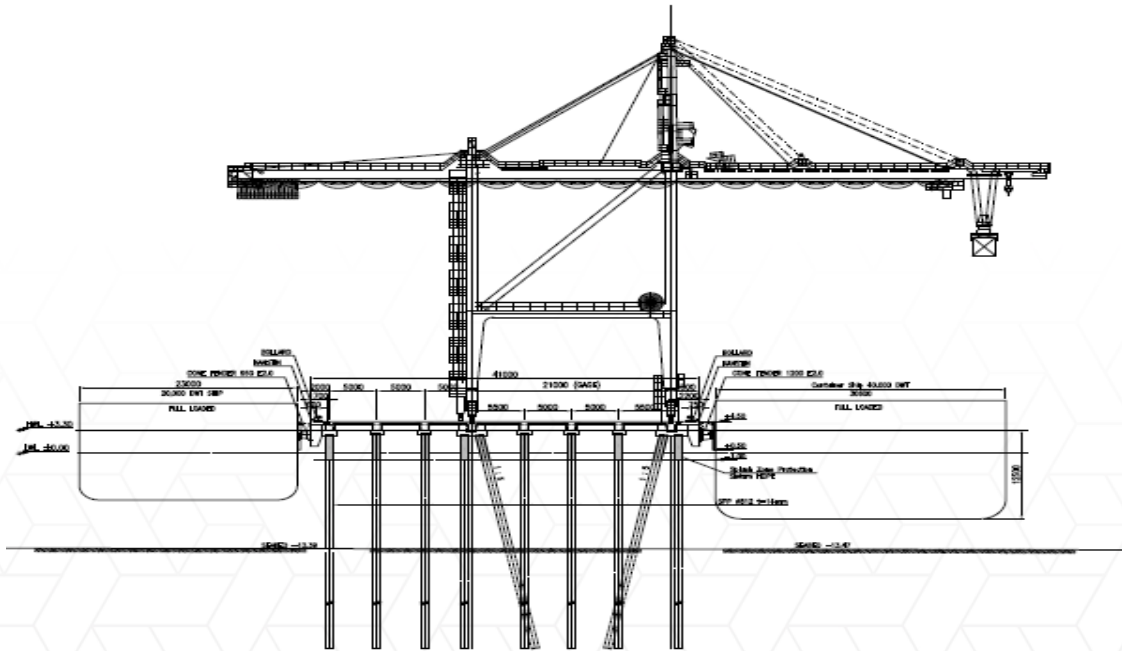
No.	Description	Amount (Rp)
I	General	2.138.043.600,00
II	Trestle (642.75m X 9.6m)	71.843.844.796,22
III	Jetty (2000m X 81m)	4.222.829.982.348,78
IV	Trestle Barrier (30m X 3.5m)	15.055.057.701,22
	<b>Areal Darat</b>	
V	Reklamasi (Area Baru - 294m X 587m)	375.200.000.000,00
VI	Fasilitas Darat (Pergudangan, Me)	269.019.335.000,00
A	Total	4.956.086.263.446,22
B	Rounded	4.956.086.270.000,00
C	Vat 10%	495.608.627.000,00
D	Grand Total	5.451.694.897.000,00



# PROBOLINGGO PORT

## DEVELOPMENT OF DOCK III AND IV

### JETTY III & IV LAYOUT PLAN



- **Uniformly Distributed Live Load 3 Ton / M2**

- **Jetty Construction**

Truck T-500 Kn

(Axle Load Up To 20 Ton)

Mobile Crane 62 Ton

(Ground Pressure = 20 Ton / M2 ,  
Pad Outrigger Area 9 M2)

Gantry Crane Load Up To 40 Ton / M1

- **Bollard 50 Ton**

**Dimensions**

41 m X 290 m

**Depth**

13.5 m

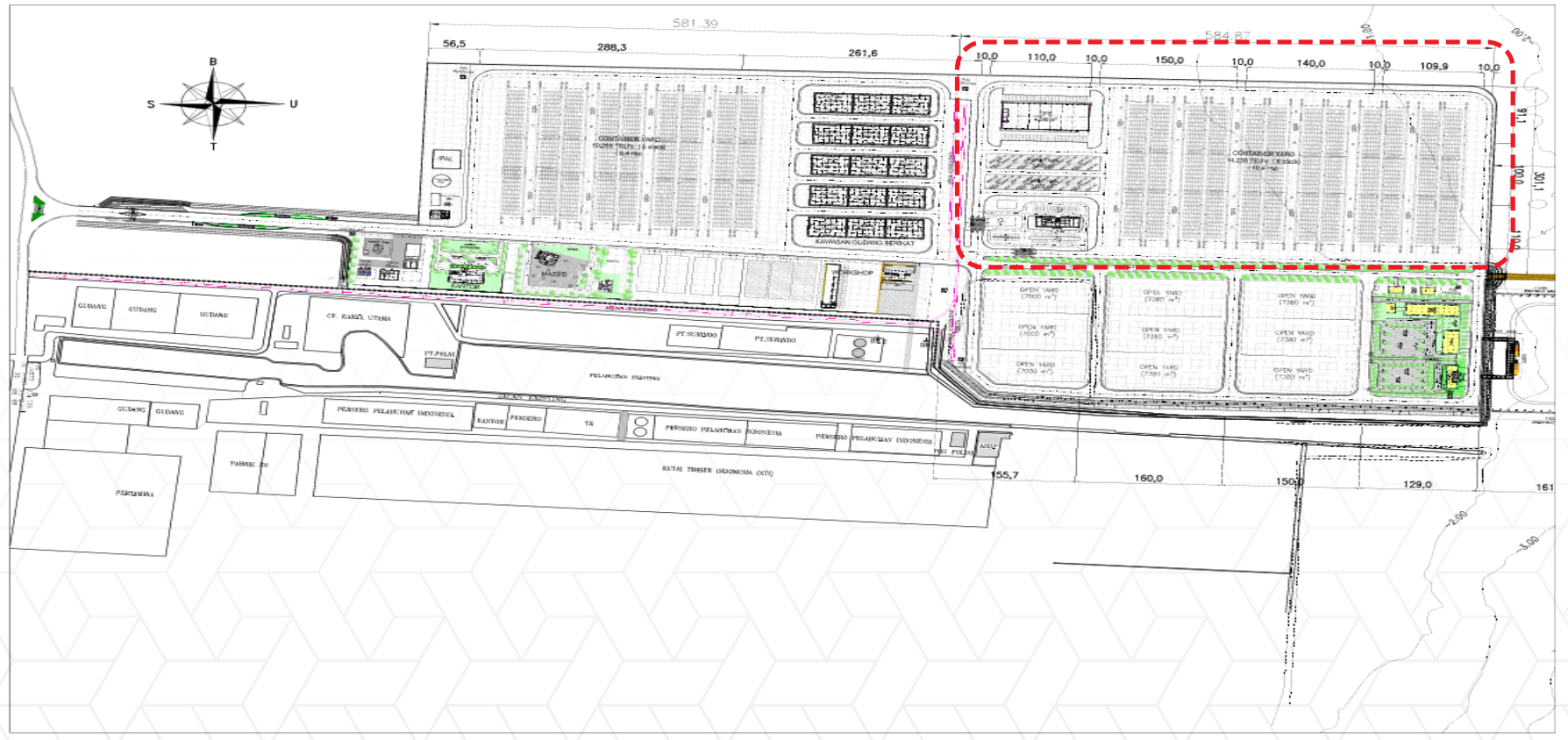
**Capacity Up to**

40.000 Dwt (Container)

# PROBOLINGGO PORT

## DEVELOPMENT OF DOCK III AND IV

### LAND AREAL RECLAMATION PLAN (NEW AREA)



GENERAL LAYOUT AREAL DARAT PEL. TG TEMBAGA  
SKALA 1 : 2500