



**COMMITTED TO CREATE  
VALUE FOR THE TRADE**



# JNPT INDIA'S NO.1 CONTAINER PORT

## INTRODUCTION

The Jawaharlal Nehru Port Trust (JNPT) at Navi Mumbai is the biggest container handling port in India, accounting for around 50% of the total containerized cargo volume, across the major ports of India. Commissioned on 26th May 1989, in three decades of its operations, JNPT has transformed from a bulk- cargo terminal to become the premier container port in the country. JNPT is connected to over 200 ports in the world and is ranked 33rd in the list of top 100 Container Ports globally. Spread across 3,402 Hectares (Ha) of land, JNPT occupies the pride of place amongst the most modern ports of India. Strategically located, with close proximity to Mumbai - the economic capital of India. We have 5 dedicated terminals by leading global players providing world-class services for EXIM trade at JNPT.

## ANCHORAGE



As one of the India's largest Container Port, JNPT has maintained a constant focus on innovating, upscaling and streamlining its daily operations. JNPT is a fully mechanized port offering excellent road and rail linkages not just to very important business centers, but also to the hinterlands. All this as it surges ahead to create successful benchmarks in global trade and delivers on its promise of ease of doing business to the EXIM trade.

# BRINGING THE WORLD CLOSER

JNPT CONNECTS TO OVER 200 PORTS AROUND THE GLOBE

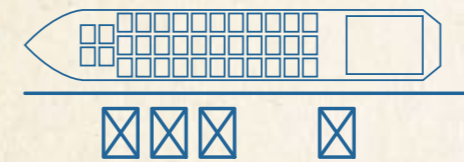


# BUILDING INFRASTRUCTURAL STRENGTH

JNPT's facilities comprise of a fully equipped Customs House, 34 Container Freight Stations and connectivity to 47 Inland Container Depots across the country, offering world-class infrastructure and technology of the highest standards.

## INFRASTRUCTURE FACILITIES

### Quay Length (mtrs)



Jawaharlal Nehru Port Container Terminal (JNPCT) - 680

Gateway Terminals India (GTIPL) - 712

Bharat Mumbai Container Terminal (BMCT) -1000

Nhava Sheva (India) Gateway Terminal (NSIGT-DP World) - 330

Nhava Sheva International Container Terminal (NSICT-DP World) - 600

Bharat Petroleum Corporation Limited (BPCL) - 300 sea 280 shore

### Design Capacity

JNPCT <b>1.5M TEUs</b>	GTIPL <b>1.8M TEUs</b>
NSICT <b>1.2M TEUs</b>	NSIGT <b>0.8M TEUs</b>
BPCL <b>6.5 MTPA</b>	BMCT <b>2.4M TEUs</b>

### RMQCs (43)



JNPCT - 9  
NSICT - 8  
GTIPL - 10  
NSIGT - 4  
BMCT - 12

### RTGCs (147)



JNPCT - 12 + 15 eRTGCs  
NSICT - 29  
GTIPL - 39  
NSIGT - 16  
BMCT - 36

### RMGCs (15)



JNPCT - 5  
NSICT - 3  
GTIPL - 3  
NSIGT - nil  
BMCT - 4

### Reefer Plugs



JNPCT - 576  
NSICT - 772  
GTIPL - 880  
NSIGT - 320  
BMCT - 1620

### Yard Area (in Hectares)



JNPCT - 61.49  
NSICT - 25.84  
GTIPL - 47.24  
NSIGT - 27  
BMCT - 90

# BUILDING INFRASTRUCTURAL STRENGTH

## ANCHOR BERTHING FACILITIES

### AT JNPCT, NSICT & GTI TERMINAL

- Max LOA: 370m
- Max Draft: 14m
- Max Displacement: 150,000 Tonnes

### AT SHALLOW WATER BERTH

- Max LOA: 183m
- Max Draft: 10m
- Max Displacement: 30,000 Tonnes

### AT LIQUID CARGO JETTY OUTER BERTH

- Max LOA: 330m
- Max Draft: 15m
- Max Displacement: 120,000 Tonnes

### AT LIQUID CARGO JETTY INNER BERTH

- Max LOA: 185m
- Max Draft: 10.50m
- Max Displacement: 45,000 Tonnes

## NAVIGATIONAL FACILITIES

### CHANNEL

- Designed channel depth is 14.4m to 15.6m below CD
- Channel width is 450m-500m
- Permissible draft of 15m

### TIDE

- Mean sea level is 2.51m above CD
- Mean spring tide range in the harbour is 3.7m

### BERTH

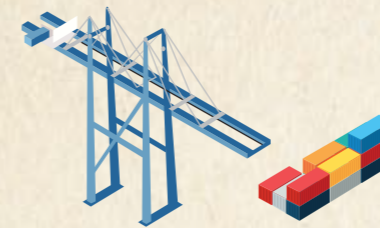
- 3322m of quay length of container terminal
- 445m of quay length of feeder container general/cement/cargo
- 300m twin berth liquid cargo jetty
- Anchorage berth of 600m diameter

### PILOTAGE

- All-weather port
- Round-the-clock pilotage
- Port operations center manned round-the-clock

# EXPANDING HORIZONS

JNPT CONTINUES TO ENHANCE CONNECTIVITY THROUGH INFRASTRUCTURE AND TECHNOLOGY UPGRADES.



### FOURTH CONTAINER TERMINAL

One of the highest FDI projects, with two berths of 1000m each and total capacity of 4.8M TEUs in two phases.



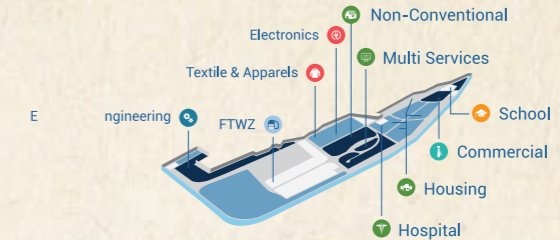
### THE VADHAVAN PORT

JNPT is planning an 'All Weather, All Cargo' satellite port at VadHAVAN to deliver excellence in handling deep draft ships & larger vessels.



### COASTAL BERTH

The Coastal berth at JNPT is expected to handle about 2.5 million tonnes of coastal Cargo which includes coastal liquid Cargo.



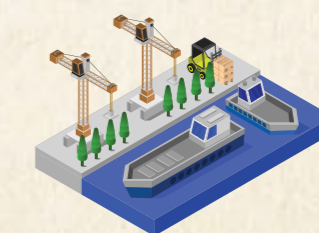
### SPECIAL ECONOMIC ZONE

JNPT SEZ is a first-of-its-kind port based multi-product SEZ/EPZ that will boost port-based industries with reduced logistics costs.



### DEVELOPMENT OF DRY PORTS

Two new dry ports at Wardha, Jalna, Nashik and Sangli are being developed, to connect to the hinterlands and make domestic transportation of cargo seamless and quick



### LIQUID BERTH

To meet the growing demand for liquid cargo JNPT has proposed to develop a liquid jetty of 4.5 MTPA at a cost of Rs.309 Crore.

# EASE OF DOING BUSINESS

JNPT has been credited for India improving its ranking in the World Bank's Ease of Doing Business Index, under the 'trading across borders' segment to 68th position from 146 in a span of two years.

Aligning with the direction of the ministry, the Port initiated activities under Ease of doing Business and significant results were achieved in reducing cost and time for EXIM trade. JNPT had made a three pronged approach.

## (i) SIMPLIFICATION OF PROCESSES

### 1. Inter Terminal transfer of Tractor Trailers (ITT)

- Inter-terminal Movement of TTs allows sideways movement between all the 4 Terminals
- This saves 7.5 kms run per road trip thereby enabling two commercial transactions in one trip.
- The optimum utilisation of TTs has resulted in 10% reduction of number of TTs on JN Port roads
- This has also lead to faster turnaround time, reduced fuel consumption, and reduction in pollution and congestion
- Everyday almost 1000 trucks avail this facility



### 2. Direct Port Delivery (DPD):

- Creates a smooth gateway for importers
- Cost per TEU in transaction, inventory and container detention has reduced substantially with a net saving of Rs. 8,000 to Rs. 20,000
- Import Dwell Time has reduced drastically to just 1.5 days from the earlier 7-8 days
- DPD reduces costs and expedites delivery of consignments to Importers

### 3. Direct Port Entry (DPE):

- Ensures unhindered entry at JNPort for exporters
- Created dedicated parking to complete the documentation process with customs conveniently
- Almost 75% port users are availing this facility
- RFID tagging at holding yards, facilitating smooth entry to TTs directly in to JN Port
- This has led to decongestion of port roads and gates



- Exporters can now plan their cargo movements in a better way, saving time and fuel costs, thereby reducing pollution and congestion
- This has led to decongestion of port roads and gates total import duty

## 4. Installation Of 3 Mobile Scanners:

- JNPT has increased the Security Profile by installing 3 Mobile Scanners at JNPCT, DP World and APMT.
- Dedicated scanners for each terminal for import containers has reduced port's import dwell time to about one minute per truck.
- Drive through scanner will be installed at BMCT
- Drive through rail scanner will be installed by customs



## 5. ITRHO

- Inter terminal rail handling operation (ITRHO) agreement designed and agreed upon by all Terminals (JNPCT, NSICT, GTI, NSIGT and BMCTPL) to streamline the movement of rail containers between the terminals.
- This agreement has improved the competitiveness of JNPT terminals and increased both rail utilization and overall volumes.

## (ii) IMPROVEMENT OF INFRASTRUCTURE

### 1. Centralized Parking Zone for Parking of Tractor Trailers:

- JNPT developed a Centralized Parking Plaza covering an area of 45 Ha to accommodate approximately 2832 tractor-trailers. The facilities will have Custom facilities besides other modern amenities
- This has helped in reducing congestion and have eased the procedures.

### 2. Development Of Integrated Common Rail Yard Facility At JNPT:

- DFC will connect JN Port with India's northern hinterlands for faster evacuation of containers at much reduced costs
- Project will increase existing ICD rail movement from 17% to 35-40% and help in reducing road congestion and traffic emissions



### 3. Road Connectivity 6/8 Laning:

- The project involves the construction of NH 4B, SH 54 and Amra Marg Linkages to 6 / 8 lanes along with two lanes service roads by SPV formed by JNPT, NHA and CIDCO.
- These roads also connect to NH-4, Mumbai-Pune Expressway and NH-17, which connects to Southern region along with Central and Northern regions of the country through NH-3 and NH-8
- On completion, it will ensure faster evacuation of cargo with least inconvenience to non-port traffic

#### 4. Allotment Lab And Office Space To PGAS

- In order to bring all regulators under one roof, the Port has allotted the office space/land to Animal Quarantine, Plant Quarantine, Textile Commission FSSAI & Drug controller for setting up of laboratories.

#### 5. Commissioning Of 15 E-RTGCS At JNPT Container Terminal:

- 15 New e-RTGCS were commissioned to improve export efficiency and faster loading operation which has reduced diesel consumption and air pollution.
- Due to commissioning of e-RTGCS in JNPCT, there is a cost savings of Rs. 86 Lakh/month.



### (iii) DIGITIZATION OF ACTIVITIES

#### 1. Introduction of E-form 13/Form 11

- The Form 13 and Form 11 are the documents by which entry of containers in the terminals are regulated.
- This has helped in reducing gate transaction time also avoids manual data feeding by customers.

#### 2. RFID Based Terminal Gate Transaction:

- All the 4 terminals at JNPT support RFID-based tagging at the entry gates
- This ensures that all documentation formalities are completed in the holding yards without the need for any manual verification, also facilitating a hassle-free entry to the terminal area
- Transaction time has been brought down to less than 1 minute from the earlier 5 minutes



#### 3. Container Tracking Introduced For The First Time In India

- First Indian Port to implement container tracking
- This provides real time information about location and movement of containers while in transit
- It also brings more accountability and transparency enabling customers to do advance planning of their business

#### 4. E-Delivery Orders

- All Shipping Lines have implemented issuance of e-DO instead of manual handing over of Delivery Orders to CHAs & CFSs
- Consignee/CHA need not stand in long queues at the shipping agency's counters for document submission, payment & verification
- Reduced waiting time for CHS/Consignees, congestion and pollution due to reduction in non-port traffic at JN Port roads thereby saving costs



#### 5. Up-gradation of PCS System:

- PCS 1x (an upgraded version of PCS) enables all stakeholders to exchange data/ transactions on the PCS 1x platform on a real time basis.
- It offers a database that acts as a single data point to all transactions.
- This upgraded single window platform intends to integrate 27 categories of maritime stakeholders at a common platform, including ICEGATE, DGFT etc.

#### 6. Up-gradation Of Navis System With Navis N4 Terminal Operating System:

- It scales with the business to optimize utilization of IT infrastructure and eliminate unnecessary expenditure
- Its flexible configuration enables rapid deployment and accelerates implementation
- Specifically designed to offer unparalleled value and grow with the customer at the lowest possible total cost of ownership (TCO) JNPTs services contributing to their business success



# CARING FOR THE ENVIRONMENT



Jawaharlal Nehru Port is committed to sustainable development and has set a trend in the Indian Port sector to address environmental aspects even before the commencement of any project of the port. Amidst the many ambitious plans for expansion and growth, particular care is taken to ensure that adequate measures are in place to maintain the delicate ecological balance.

- A noteworthy 1480 hectares of land has been exclusively dedicated to green cover including mangroves.
  - JNPT has installed rooftop solar panel of around 822kw on its offices and commercial buildings.
  - The port has undertaken sewage treatment plant for recycling of waste water and Solid waste management plant.
  - As part of the Environmental Management and Monitoring Plan, JNPT carries out Environmental Monitoring. Ambient air, marine water, marine ecology, drinking water, sewage quality, noise level is monitored through IIT Madras.
  - The port's developmental plans are synchronized with the Coastal Zone Management (CZMP) and Land Use plans. JNPT has also taken up other sustainable projects like development of an Eco Park, marine conservancy, and comprehensive plantation
  - JNPT ensures implementation of environmental safeguards in all operations
- Conventional lights on streets, residential areas and offices converted into led lights

# SKILL DEVELOPMENT



## JNPT ANTWERP PORT TRAINING AND CONSULTANCY FOUNDATION

A joint venture between JNPT and the Antwerp/Flanders Port Training Centre. It welcomes participants from Major Ports, Private Ports and Terminals in India and abroad along with Maritime consultants and professionals. Candidates who sign up for this program are trained by well-experienced professionals.

## JNPT-CIDCO MULTI-SKILL DEVELOPMENT CENTRE

JNPT has developed - JNPT CIDCO Multi-Skill Development Center. The centre will provide and impart proper technical training in different disciplines to PAPs and local persons in order to create suitable skilled labour force.

# GIVING BACK TO THE SOCIETY

As a socially conscious company, JNPT has undertaken various environmental and social initiatives to make a positive difference to the society at large and JNPTs neighbouring communities and localities in particular. Some of the company's major and impactful CSR activities are:

- JNPT contributed Rs 16.40 crore as CSR fund along with one-day salary of employees to Prime Minister's relief fund as a part of its contribution to the fight against COVID-19 pandemic.
- Providing concession in school fees for children of PAP
- Contribution of around Rs. 3 Crores for construction of eco-friendly toilets at Hanuman Koliwada Contributed Rs. 34 lakhs towards the Chief Minister's Relief Fund
- Supporting Arogya Marathon events to provide free health check-ups to the rural community
- More than 3000 jobs to Project Affected Persons (PAPs) have been provided. The PAP have received employment in private terminals and container freight stations. The initiative has also helped in creating business opportunities
- JNPT contributed Rs. 5.14 Crores towards the reclamation of seven private kharland schemes in Uran Taluka, Raigad district
- JNPT contributed Rs. 53 lakhs towards the repairing of schools at Hanuman Koliwada
- JNPT supports Jal Shivar Yojana to save water in drought-affected regions
- JNPT took up an innovative project for Rain Water Harvesting, conservation, storage and Ground water recharge at Satoda-Mahakal Nalla in Wardha District

To give back to the society as much as possible, JNPT has actively participated in various projects to aid different sections of the society like senior citizens, youth, students and tourists. This passion for doing good will continue to grow.



INDIA'S  
NO.1  
CONTAINER  
PORT

जवाहरलाल नेहरू पत्तन न्यास  
JAWAHARLAL NEHRU PORT TRUST

Administration Building, Sheva, Navi Mumbai - 400 707, Fax: 022-2724 4020,  
1502, Express towers, Nariman Point, Mumbai - 400 021, Fax: 022-67431116.  
marketing@jnport.com | www.jnport.gov.in For information call JNPT helpline no. 1800228282  
Follow us on: [@JNPORT](#) [@JNPort](#) [@JNPTPort](#)