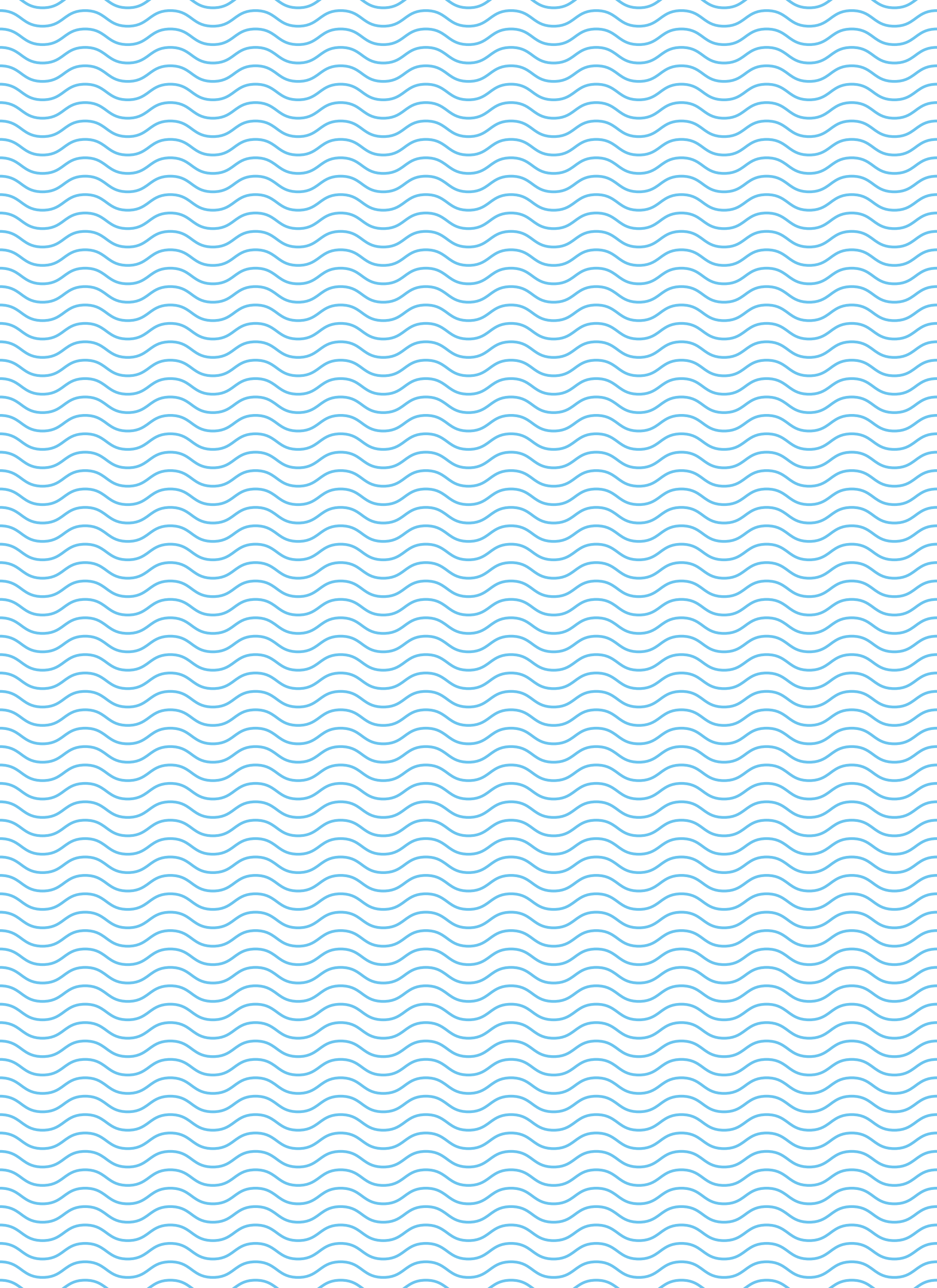




INDIA'S
BEST
PERFORMING
PORT



THE JAWAHARLAL NEHRU PORT AUTHORITY
THE PORT OF PROSPERITY





My stamp
celebrating **35 years of JNPA**
May 2024

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I have seen that greatness cannot be achieved alone.
Distant lands meet here, brought by the sea.
Flourishing each other, making us one.

I am the point of togetherness.
I am the port of prosperity.

It's been 35 years since I was born.
I've witnessed sails set into the unknown.
Working as one, turning the tide.
Oh, the storms we have survived!

Necessity couldn't have been the only motivation
Innovation driven by gumption has made us stronger
Raising each other, we've grown taller,
Now the world can see this nation's proud faces.

Gratitude lay not just in our hearts but also in our hands
In giving we receive, enriching every bond.
Together we achieved what none could alone.
I am that point of togetherness.
I am the port of prosperity.

I am Jawaharlal Nehru Port Authority

“Every moment counts”



As the chairperson of JNPA, I am honoured to reflect on our remarkable journey over the past 35 years. Our port has been a pivotal player in the logistics sector, striving to enhance the competitiveness of Indian products on the global stage. Ports play a pivotal role in EXIM trade, and JNPA is the propelling facilitator of growth, well-positioned to handle the ever-increasing cargo traffic that fuels India's success.

During the last 35 years, JNPA has taken a leadership role in making Indian ports more competitive and efficient. The journey of India's containerisation of EXIM Trade began when JNPA became a fully containerised port at the start of the millennium. Our early adoption of the Public Private Partnership (PPP) with our concession agreement with DP World in 1997 set a new precedent in port operations.

With the launch of the Sagarmala initiative by the Government of India in 2015, JNPA took the lead by developing container and liquid cargo handling facilities, constructing dedicated coastal berth, setting up a state-of-the-art SEZ, and connecting JNPA to state and national highways with dedicated eight-lane roads.



In alignment with the government's vision for major ports to become landlord ports by 2030, JNPA proudly achieved this milestone in 2023, becoming the first port in India to do so.

Efficiency has always been at the heart of our operations. Through various simplification and digitisation initiatives, we have reduced the turnaround time of vessels to less than 20 hours in 2024, which is the lowest in India and among the lowest globally. Our import and export dwell times are consistently the best among Indian ports. In our commitment to green initiatives, JNPA uses 40% of its power from green sources and aims to be a 100% green port by 2030. Additionally, we plan to eliminate diesel vehicles from the port area by 2029.

At JNPA, we are deeply invested in community development. We have undertaken various infrastructure projects in nearby villages and operate a dedicated Skills Development Centre to empower local youth. We have rejuvenated four lakes, with plans for two more in the coming year. Today, 34% of our total area is under green cover, with an increase to 40% expected by the end of the decade.

As we celebrate 35 years of excellence, JNPA stands as the best-performing port in the country. Recognising the future needs, we have started constructing India's first mega port, Vadhavan, set to be operational by 2029. This new port will further JNPA's role in making India an advanced country in the maritime sector by 2034.

We stand for efficiency, integrity, and transparency. Exceptional service ensures a seamless experience for our stakeholders, and we actively seek feedback in our quest for excellence. We believe in the power of collaboration and have been fortunate to work with partners who share our vision for a sustainable and efficient future. Together, we are confident in creating a thriving trade ecosystem in India.

As we embark on this exciting journey, I invite you to be a part of our story.

Unmesh Sharad Wagh, IRS
Chairperson, JNPA

Section 01



Genesis of JNPA

If you want to
sail fast, sail alone.
If you want to
sail far, sail together.

From its beginnings as a decongestant satellite port for Mumbai Port Trust, handling bulk cargo, JNPA has grown into a leader in the maritime industry. Now managing over 50% of the total container traffic at India's major ports, it ranks 26th among the world's top 100 container ports. This success is the result of relentless collaboration and innovative strategies.

As India's only 100% landlord port model, JNPA has faced and overcome numerous challenges, becoming a critical artery of Indian trade. We have navigated every challenge, driven growth, and achieved lasting prosperity. Only together could we have sailed this far, and prospered.



The Former Chief Minister of Maharashtra, Mr. Sharad Pawar; Prime Minister Mr. Rajiv Gandhi, First Chairperson of JN Port, Ms. Anna Malhotra; Netherland Minister for Transport and Public Works, Ms. Nelle Smith Cruze and Minister for Surface Transport Mr. Rajesh Pilot, inspecting the Nhava - Sheva facilities on 26th May 1989, after the port was formally inaugurated by the Prime Minister.

“ JNPA has always been wise enough to identify and act on opportunities as they come. It has consistently stayed ahead of the curve, not just within India, but on a global scale. Its foresight in making key decisions at the right time has truly put India on the global trade map. ”

- T.K. Ramachandran, IAS
Secretary, Ministry of Ports, Shipping,
and Waterways



Continuous unloaders installed at the bulk terminal for bulk cargo handling. The bulk terminal was later demolished to make way for a new container terminal

From congestion to collaboration:

The birth of JNPA

Back in 1989, the Mumbai Port Trust was experiencing significant growth. However, their capacity to handle the increase in incoming vessel traffic was being tested. Ships had to wait for days at anchor, while cargo piled high and could not be evacuated quickly. The congestion funnelled down the trade. While Mumbai port itself was doing well, this was a challenge for India's international trade ambitions. The government decided to build a brand-new port, the JN Port, just across the creek. This new port was not designed for containerised cargo the way it is today but as a bulk cargo port—a satellite to ease the burden on Mumbai. The foundation of JNPA marked the beginning of a collaborative effort to streamline and bolster India's trade infrastructure.

JN Port thrived from its inception. The bulk handling system was a marvel in those days—hundred percent automated, showcasing the port's commitment to being advanced. But the trade winds were shifting. Containerisation was becoming the new standard, and the JN Port, with a keen eye on the future, grabbed this opportunity. JN Port added a container berth, making it one of the first Indian ports to embrace this efficient method of cargo

While containers started arriving, bulk cargo remained a mainstay at the JN Port. However, things changed further when the Mumbai Port Trust stopped handling containerised cargo altogether, solidifying JN Port's role as the main port in the region. It was not until 2002 that the JN Port fully embraced the containerised destiny. Recognising containers as the future of trade, a bold move was made—converting the existing bulk terminal into a container terminal.

Transforming tomorrow



Prime Minister Narendra Modi unveiled the plaque for laying of the Foundation Stone of the Fourth Container Terminal at JN Port.

This decision to transform JNP into a Container Terminal proved to be a game-changer.

This decision to transform JN Port into a Container Terminal proved to be a game-changer. By 1997, JNP's success story resonated beyond India's shores. It won the bid for a second terminal, a true testament to expertise in port management. Another milestone arrived in 1999-2000 with the commissioning of the Nhava Sheva International Container Terminal (NSICT), which became India's first privatised container terminal. This first step introduced private participation in terminal operations, bringing in fresh expertise and increased efficiency.

From its initial container berth and converted bulk terminal, the port grew to encompass four more operational terminals. It boasted of dedicated liquid cargo berths to handle oil, chemicals, and other non-containerised liquids, further diversifying its cargo handling capabilities.

“ The Jawaharlal Nehru Port Authority (JNPA) serves as a shining example of the success of the Sagarmala Programme. Since its commissioning, JNPA has transformed into India's premier container handling port, consistently exceeding benchmarks and contributing significantly to the country's trade ecosystem. ”

- Bhushan Kumar, Joint Secretary, Ministry of Ports, Shipping and Waterways

“ JNPA stands as India's maritime pride, pioneering efficiency through PPP models and setting a national benchmark. Its commitment to coastal shipping and green initiatives like zero-emission trucking solidify its position as a global leader in sustainable port management. ”

- Sushil Kumar Singh, IAS
Joint Secretary, Ministry of Ports, Shipping and Waterways

With this strategic move, JN Port continued its meteoric rise. Meanwhile, India's container traffic grew from around 4.52 million TEUs in 2006 to over 17 million TEUs in 2020, a boom that JN Port had an instrumental role in. By 2018-19, it had transformed into the biggest Indian port, handling the maximum number of containers. JN Port currently handles 6.43 million TEUs annually and has 7.4 million TEUs in installed capacity. This expansion is expected to touch 10 million TEUs in the next few years.

JNPA's story is a testament to visionary leadership and strategic foresight. It highlights how a clear vision for the future leads to solid payoffs. Transforming from a bulk cargo satellite port into a container giant, this metamorphosis showcases the positive results of creating and driving change. Through strategic collaboration and innovative approaches, JNPA has continually set new standards, illustrating the immense benefits of proactive leadership.



Shipping Corporation of India's vessel Lal Bahadur Shastri loading containers. The first year saw only two shipping lines calling at the port, the second year, the port received 12 shipping lines.

Leading the way: **From premier container port to 100% landlord port**

JNPA, recognised as a leader in India's container port sector, has always been at the forefront of maritime excellence. With a clear vision of becoming South Asia's premier container hub, JNPA embraced a transformative strategy the 100% Landlord Port Model. It is the only port in India to do so. This meant that JNPA would remain the sole owner of the port infrastructure, and act as a regulatory body. However, it would collaborate with private companies for operational expertise through Public-Private Partnerships (PPP). This ushered in a new era of cooperation that propelled JNPA and its partners forward.

“*India aspires to be a USD 5 trillion economy by 2047. By efficiently handling a significant portion of India's trade, JNPA plays a critical role in solidifying the country's position in the global trading landscape. JNPA's contribution to the GDP percentage will be a game-changer for the nation.*”

**- Sanjay Sethi, IAS
Additional Chief Secretary
(Transport And Ports), Govt. Of Maharashtra
and former Chairperson of JNPA**

With a history of organisational experience and excellence in outcomes, partnering with private companies brought in some much-needed competitiveness at the global level. In the rarest combination of collaborations this was one where the goals between the partners although highly ambitious were aligned. Through this, JNPA sought to ensure operational efficiencies, and empower Indian companies to compete effectively with global shipping companies.

The initial years saw JNPA forge strong bonds with terminal operators like DP World and AP Moller-Maersk and with recent ones like PSA International, JM Baxi and CMA CGM. These alliances injected fresh capital, cutting-edge technology, and valuable global best practices into JNPA's functioning.



A port built by the people





The Jawaharlal Nehru Port is truly "The People's Port" since its meteoric success could only have been enabled by its people. The deeply ingrained work culture prioritises ethics, efficiency, and collaboration. JNPA's unwavering commitment to its personnel and the wider community has been the cornerstone of its success. The philosophy of prioritising people seeped into every facet of the organisation, becoming the very lifeblood of JNPA.

Investments in training and development programs empowered JNPA's personnel, equipping them with the skills and drive to achieve performance excellence. Exceeding international standards became the new benchmark. This was now a new and constant target that kept pushing JNPA to even more ginormous heights.

The past five years witnessed a period of hyper-evolution for JNPA. The pace of transformation accelerated with private entities playing an increasingly prominent role. PPPs became the engine of JNPA's growth, driving development at an unprecedented rate.

Through it all, JNPA remained committed to stakeholder prosperity. It's unwavering focus on efficiency and strategic collaborations not only bolstered the port's reputation, but also ensured benefits that flowed to all stakeholders. JNPA's story stands as a testament to the potential of public sector entities to thrive in a competitive landscape. It has also proven that excellence in management and a strategic vision can propel a government-run port to become the forefront of a maritime industry.

JNPA's relentless pursuit of improvement is perhaps its most defining characteristic. Meticulous analysis of operations pushes the port to constantly surpass its own records. This culture of self-competition fostered an ambitious drive to be better, a philosophy that permeated every aspect of JNPA's effectiveness.

Today, JNPA stands tall as a centre of excellence in the maritime sector, truly embodying the spirit of the people who have built this port.

“ JNP has always been a decade ahead of any other port. The management is proactive and they live the spirit of PPP. All officers have a sense of ownership, and work towards the broader goals of trade. It has been our karmabhoomi, contributing significantly to the growth of JM Baxi from a small shipping company to owners of two terminals at JNP ”

-Dhruv Kotak, Managing Director, JM Baxi Group

Prosperity in numbers

Since its inception in 1989, JNPA has transitioned from a bulk business to a dedicated container terminal playing a pivotal role in the development of India's port. The port saw traffic of 33,880 TEUs in 1990, which grew to a staggering 5.13 Millions TEUs by 2019. This has been possible due to JNPA's consistent infrastructural innovation and digitisation. The increase in its operational efficiency has led to significantly decreased ship turnaround times and cargo dwell times at the port. Consequently, India has become a top performer globally, achieving a ship turnaround time of less than 20 hrs. In FY 2023-24 the port achieved a historic milestone by recording 6.43 million TEUs, surpassing the 6.05 million TEU mark of 2022-23.

Standing at a whopping 3,000 hectares,

the Jawaharlal Nehru Port (JNP), is one of India's 12 major ports. The port's container traffic has seen substantial growth, doubling from 3.30 million TEUs in FY 2007 to 6.43 million TEUs in FY 2024. It has evolved into the nation's most strategic hub for its trade and economy, contributing to a staggering over 50% of containerised trade handled by major ports in India.





At the heart of India's maritime trade

JNPA's strategic location has only enhanced its role as a vital link in India's export story. Being located on the west coast, near Mumbai, has granted JNPA phenomenal access by road and rail. This connectivity makes JNPA a vital link for industrial Maharashtra, north-western states, and stretches southwards to Karnataka. Furthermore, it is soon set to have speedy, uninterrupted access to the northern hinterlands.

JNPA's ideal position makes it a central point for trade not just in the west and north of India, but also caters to the eastern regions. Unlike eastern ports that primarily handle non-containerised cargo like steel, JNPA is well-equipped for containerised shipments, the backbone of modern trade.

“ Since its inception, JNPA has been a cornerstone in India's maritime sector, transforming the hinterland 'Nhava Sheva' into the 'Port of Prosperity.' Over the past three and a half decades, JNPA has exemplified excellence in port operations and infrastructure development. As a policy-maker, I am immensely proud of JNPA's contributions to the nation's economic growth. Its journey is a testament to the power of strategic vision and relentless pursuit of excellence. I look forward to witnessing JNPA's continued success and its enduring impact on India's maritime landscape as the Best Performing Port. ”

- **Rajiv Jalota, IAS**
Chairperson, Mumbai Port Authority & Chairman, IPA

“ JNPA's core focus is on continuously improving the ease of doing business for all stakeholders. We've implemented various initiatives to streamline processes and reduce bottlenecks, both within the port and beyond. This commitment is evident in our focus on efficient cargo movement, optimised infrastructure utilisation, and collaboration with external partners. These efforts have resulted in significant improvements in turnaround times and overall logistics efficiency. We are proud to play a role in creating a more user-friendly and efficient business environment. ”

- **Girish Thomas, General Manager-Traffic, JNPA**

The port boasts several dedicated container terminals, namely NSFT, NSICT, GTIPL, NSIGT and BMCT as well as a Coastal Berth, a Shallow Water Berth and a Liquid Cargo Berth, enabling efficient handling of a diverse range of cargo including containers and liquid bulk. With its advanced container handling capabilities, JNPA plays a major player in India's trade sector. This strategic advantage, combined with its state-of-the-art facilities and unwavering commitment to excellence, firmly establishes JNPA as the heart of India's maritime trade.



Section 02

Standing tall on **four pillars**

JNPA's
formidable rise
was anchored
by four
unshakeable pillars,
each contributing
uniquely to its
monumental
success.

Together, these pillars formed the bedrock of JNPA's monumental rise, a testament to what can be achieved when innovation, precision, empowerment, and sustainability converge.



Section 2A

Progress Demands Innovation

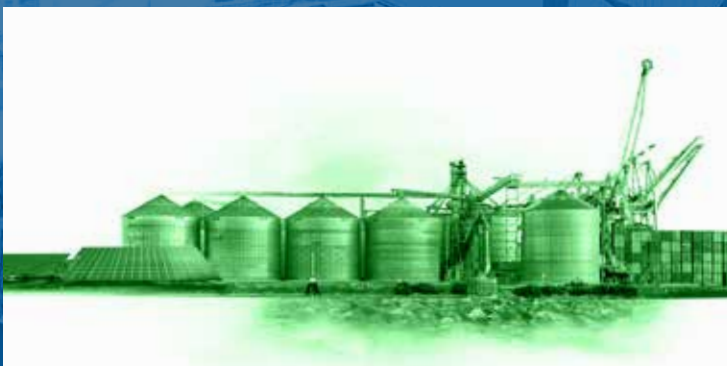
JNPA has never been about building structures; it was about pioneering advancements that set new standards thereby creating a robust framework that supported the ever-expanding needs of the organisation.



Section 2B

A Port is in the Details

No element at the port is too small to be perfected. Through this commitment, the organisation achieved a level of excellence that has been both enviable and unmatched.



Section 2C

The Port of Green Prosperity

In an era demanding environmental stewardship, JNPA led with its green initiatives. Sustainability has not been an afterthought; it has always been a guiding principle.



Section 2D

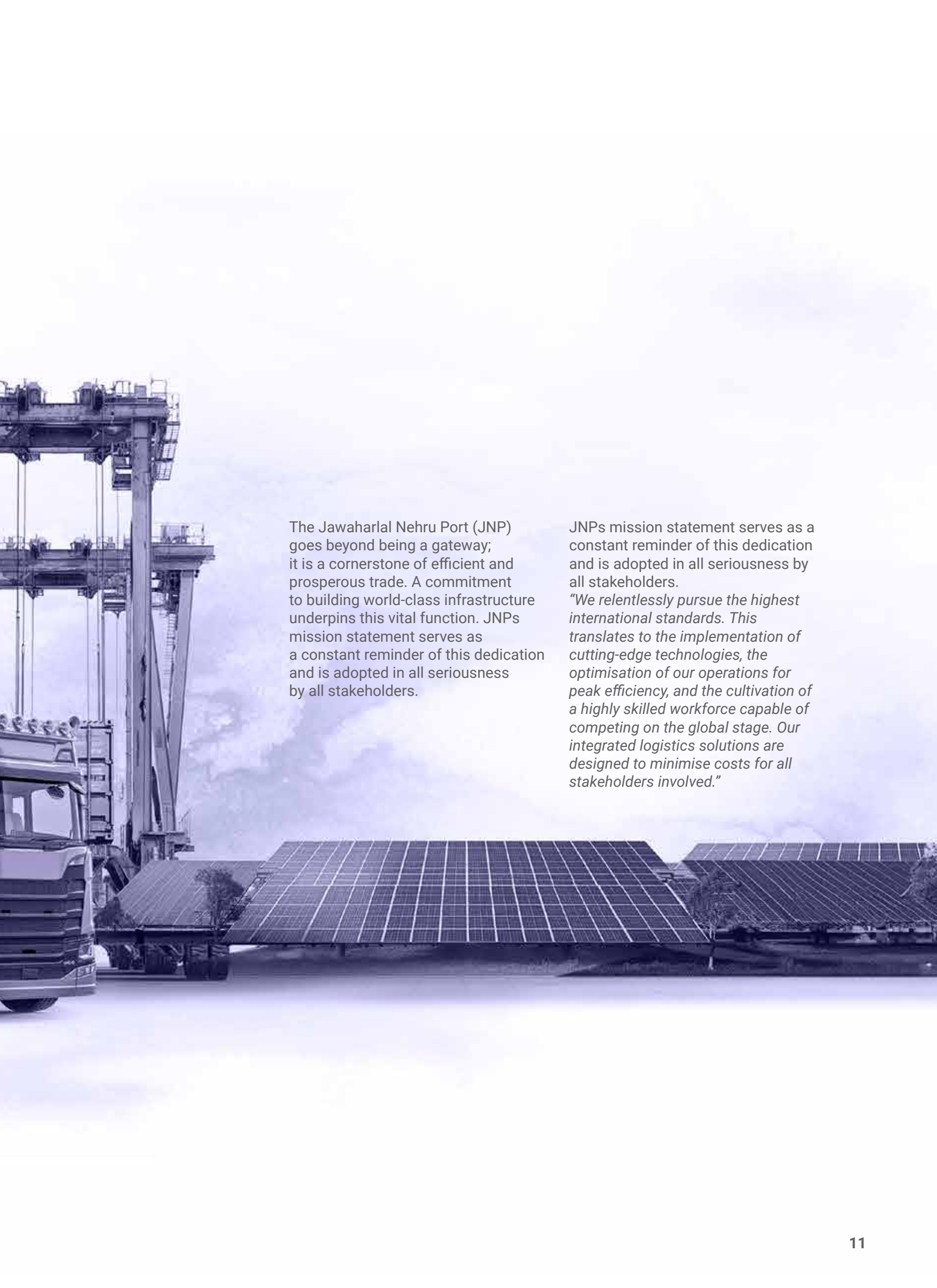
Power to the People

Empowering individuals, fostering teamwork, and nurturing talent were not just practices but core principles and it harnessed the collective energy and creativity of all stakeholders.

Progress demands innovation

At JNPA, progress has always been driven by innovation. JNPA has consistently demonstrated a willingness to challenge traditional thinking and embrace bold ideas when it comes to infrastructure development. This commitment to relentless innovation has been a hallmark of the organisation, enabling the port authority to make proactive decisions that have fuelled growth. By fostering a culture of creative yet critical thinking, JNPA has positioned itself at the forefront of the infrastructure landscape in the maritime sector, consistently surpassing expectations and setting new standards for the industry.





The Jawaharlal Nehru Port (JNP) goes beyond being a gateway; it is a cornerstone of efficient and prosperous trade. A commitment to building world-class infrastructure underpins this vital function. JNPs mission statement serves as a constant reminder of this dedication and is adopted in all seriousness by all stakeholders.

JNPs mission statement serves as a constant reminder of this dedication and is adopted in all seriousness by all stakeholders.

"We relentlessly pursue the highest international standards. This translates to the implementation of cutting-edge technologies, the optimisation of our operations for peak efficiency, and the cultivation of a highly skilled workforce capable of competing on the global stage. Our integrated logistics solutions are designed to minimise costs for all stakeholders involved."

Revolutionising trade operations



“ The Port works 24/7 and so do our people. We have never operated like a typical government body and have focussed on growth for all our stakeholders, including our employees. We prioritise our people. We invest in them, and they in turn make achieving goals a mutual endeavour. Our commitment to their growth has created a qualified workforce around the port, generating better employment opportunities. JNPA's impact goes beyond its walls, driving progress in surrounding areas. ”

- **Gautam Kumar Das, General Manager-Finance, JNPA**



An example of JNPA's mission statement in action is visible in a variety of operations with immediate and far-reaching benefits. For instance, the internal movement of cargo within the port itself has been veritably revolutionised. Previously, trucks were subjected to lengthy queues at specific terminals, forced to unload containers at one location before lining up again for import cargo at another. This inefficient system resulted in congestion and wasted time. To address this challenge, a transformative inter-terminal transport system was implemented. Under this system, trucks navigate freely between terminals without exiting the port empty. This seemingly simple yet effective solution significantly reduced traffic flow and expedited turnaround times. Similarly, a dredging program, coupled with the expertise of the marine department ensured the maintenance of channel depth and draft on a consistent, timely basis. This meticulous approach guaranteed the smooth passage of vessels of all sizes, up to a maximum of 17,000 TEUs.

Efficiency extends beyond internal operations. Container train movements within the port were meticulously planned and optimised. Previously, trains were forced to wait for cargo volumes to accumulate at individual terminals, a process that could take hours or even days. This approach involved consolidating cargo from various terminals onto single trains, thereby eliminating delays and ensuring the swift movement of goods. A system that allowed shipping lines to prepay tolls of a fixed amount and receive reimbursement later took care of the bottlenecks posed by the toll plaza, which caused long lines and frustration. This outwardly minor change greatly improved traffic flow within the port.

Beyond the gates

Centralised Parking Plaza

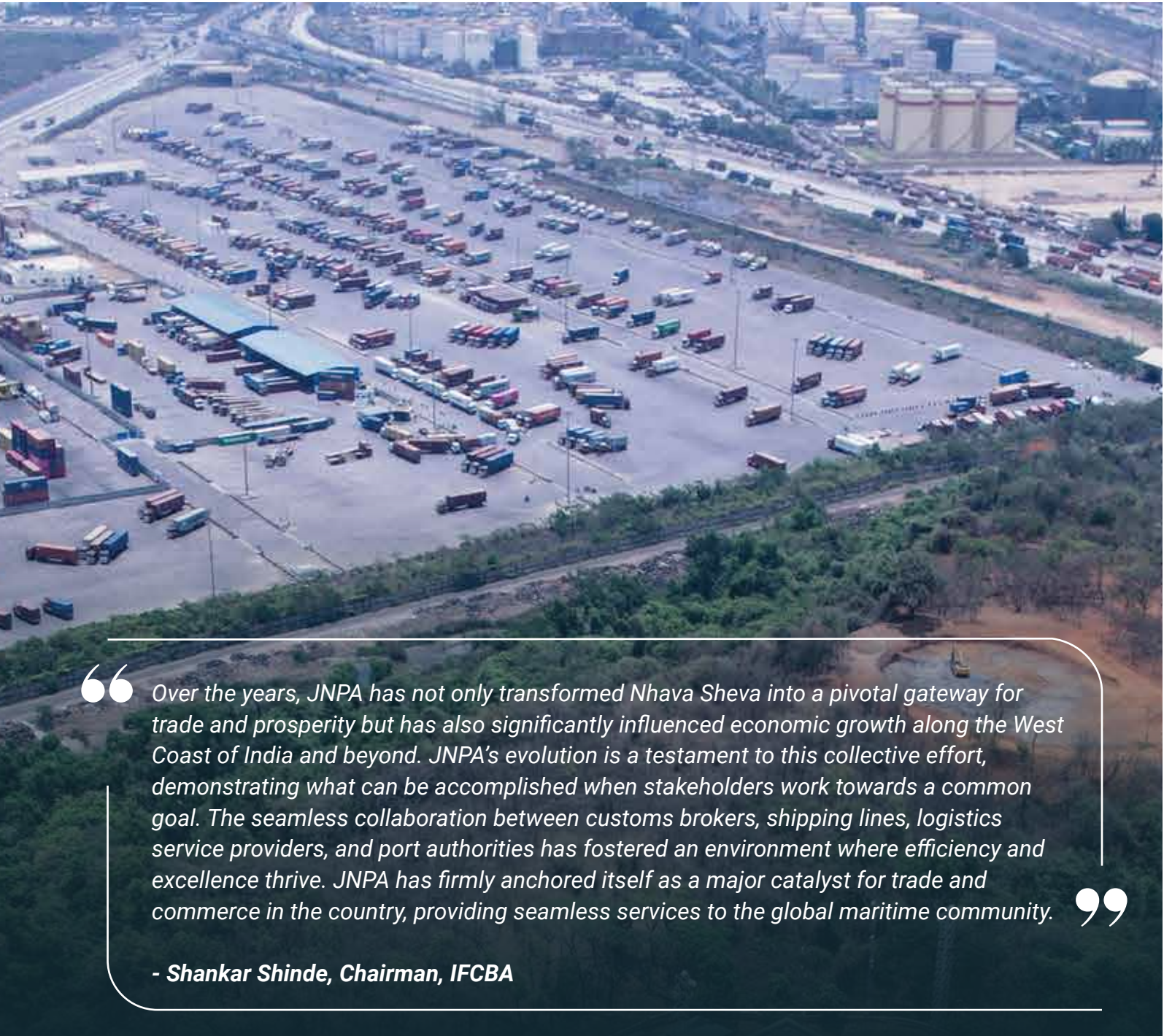
JNPA's innovations extend beyond the confines of the port itself. The port authority actively planned and created the Centralised Parking Plaza (CPP). This initiative provided designated parking for trucks and trailers, boasting a capacity of 2,800 TTUs (Truck Trailer Units). The CPP encompassed more than mere parking spaces.

It features document centres, enabling drivers to efficiently handle paperwork without unnecessary hassle.

Additionally, the facilities provided amenities such as accommodations, canteens, and healthcare services, ensuring a more comfortable wait for up to 2,800 drivers. The CPP embodies a holistic approach to streamlining operations, minimising traffic congestion on surrounding roads, and ultimately enhancing the overall efficiency of the port.

The need for improved infrastructure beyond the port gates is also an important facet of the port's plans. Consequently, road widening projects aligned with the government's Gati Shakti program have been undertaken. These wider roads have yielded significant reductions in travel times and eliminated the traffic jams that were once a considerable inconvenience.





“ Over the years, JNPA has not only transformed Nhava Sheva into a pivotal gateway for trade and prosperity but has also significantly influenced economic growth along the West Coast of India and beyond. JNPA’s evolution is a testament to this collective effort, demonstrating what can be accomplished when stakeholders work towards a common goal. The seamless collaboration between customs brokers, shipping lines, logistics service providers, and port authorities has fostered an environment where efficiency and excellence thrive. JNPA has firmly anchored itself as a major catalyst for trade and commerce in the country, providing seamless services to the global maritime community. ”

- Shankar Shinde, Chairman, IFCBA



“ JNPA compares well with any other leading ports of the world, be it in terms of infrastructure, operational equipment, efficiency, connectivity, customer centricity or digitisation. Among the many firsts, JNPA has also had the distinction of being the first fully privatised port in the country with each of its terminals working efficiently. With further investments in port infrastructure, green energy, digitisation, expansion of activities & connectivity enhancement, I’m sure the port will be in a position to attract more traffic with larger & newer generation vessels in the near future. ”

**- Sunil Vaswani, Executive Director,
Container Shipping Lines Association (India)**



More than just containers

The Jawaharlal Nehru Port also boasts of robust infrastructure for handling liquid cargo. A liquid terminal consisting of two berths managed by BPCL and IOCL handle various sensitive liquids like petroleum, LPG, edible oil & chemicals. These sensitive products are transported through dedicated pipelines to on-site tanks, ensuring a safe and streamlined process. Private tank farm operators (TFOs) have a liquid storage capacity of 7.56 kilolitres on a leased area of 54 hectares within the port. Liquid cargo is handled proficiently by TFOs through their dedicated pipelines, contributing to the port's overall operational effectiveness. Additionally, specialised equipment and safety protocols are in place to expertly manage these diverse liquid cargoes. Currently, JNPA is gearing up to award the concession of additional liquid terminal to M/s. JSW, specialising in petroleum, edible oils, and chemicals.

“With JNPA's upcoming projects, especially the operationalisation of the additional liquid berth terminal, the liquid cargo handling capacity is expected to surge by 62.5 percent. The new liquid berth terminal will play a vital role in handling liquid cargo, further diversifying the port's capabilities and increasing its relevance in the global trade network. The maritime sector is certain to make most of the JNPA's future plans.”

- **Jayyant Lapsiaa, President, AILBEIA**

Paving the way for economic prosperity

As an extension of the port's vision, JNPA has initiated numerous projects and developments aimed at enhancing its operational capabilities and economic impact.

It is at the forefront of developing a Special Economic Zone (SEZ), India's first operational multi-product port-based SEZ. The strategic location, coupled with exceptional connectivity via water, road, rail, and air, makes it a prime destination for businesses. Large investments in key resources like power, water, and roadways offer investors plug-and-play facilities to expedite the launch of operations. The SEZ boasts a single-window clearance system, streamlining the approval process and simplifying business establishment. Transparent e-tenders and e-auction processes have attracted excellent investments, with a recent auction fetching a windfall of INR 426 crore for the JNPT. The SEZ is already fostering impressive industrial growth within the region, with 45 plots allotted and 10 units already operational. Furthermore, an agro-processing unit and cold chain infrastructure are also being developed. This initiative will not only reduce operating costs but also enhance product quality, making JNPT even more attractive for high-value cargo.





“As a global port operator, our partnership with JNPA is among the most valued ones across the world. Reflecting on the journey that led to the development of two container terminals within the port and a Free Trade Zone in the JNPA SEZ by DP World, I cannot emphasise enough the importance of JNPA’s constant support and a relentless pursuit of a long-term vision. I am certain that our shared values, ambition, and regard for sustainable growth will see many such accomplishments in the years to come.

- Rizwan Soomar, CEO and Managing Director, DP World India

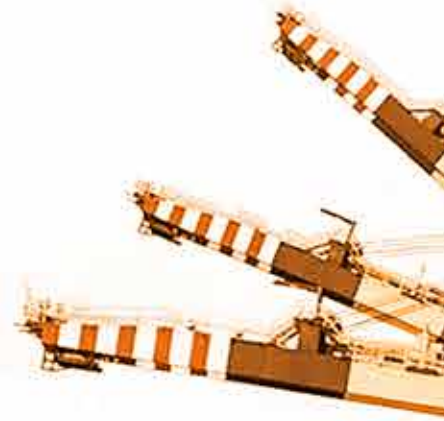
“At JNPA, sustainability is the guiding principle behind our modernisation efforts. We’ve made significant strides with shore power, electric vehicles, and renewable energy. We are proud to be India’s first operational multi-product port-based SEZ, a ‘smart SEZ’ designed for efficiency and sustainability. JNPA is a model for the future, where economic success and environmental responsibility go hand-in-hand.

- Niteen Borwankar, Chief General Manager, Mechanical and Electrical Engineering and CEO for SEZ, JNPA

A port is in the details

One of JNPA's key commitments is to streamline operations and create a business-friendly environment for port users. What does this optimised system and process achieve? It speeds up cargo movement, reduces turnaround time, and results in cost savings. This enhanced efficiency translates to greater predictability for businesses, ultimately fostering a favourable climate for conducting trade.

According to the Logistics Performance Index (LPI) Report, 2023, published by the World Bank, JNPA has an impressive turnaround time (TAT) of just 22 hours (equal to 0.9 days), putting India amongst the top performers. This success is attributed to various improvements, including better terminal operations, enhanced rail and road connectivity, a Centralized Parking Plaza, and digitised processes.





Streamlining success

JNPT has highlighted the significance of its Direct Port Delivery (DPD) and Direct Port Entry (DPE) initiatives in enhancing the efficiency of India's logistics and trade operations. These initiatives are part of broader efforts to improve the ease of doing business at the port and to streamline the movement of goods.

DPD allows importers to receive their goods directly from the port terminal, bypassing the need for intermediate storage at Container Freight Stations (CFS). This leads to significant reductions in inventory costs, transportation costs, and handling charges. DPD has proven to save substantial time, cutting the dwell time for containerised cargo and reducing overall logistics.

Like, DPD, DPE facilitates the direct entry of export containers into the port, allowing for faster processing and loading onto ships. It enables exporters to bring their containers directly to the port for shipment, which eliminates the need for routing through CFS. This not only saves time but also reduces costs. This initiative has streamlined the export process, making it more efficient and cost-effective.

The focus on DPD and DPE is aimed at optimising port logistics, reducing costs, and enhancing the overall efficiency of cargo handling. These initiatives contribute to faster clearance and movement of goods, providing significant benefits to importers, exporters, and the port itself. By streamlining operations and reducing congestion, JNPT can maintain its status as a leading port in India and improve its competitiveness globally.

These measures align with the government's focus on port-led development and the 'Make in India' initiative, aiming to boost the country's manufacturing and trade capabilities by enhancing the competitiveness of Indian ports.

“ Our successful partnership mirrors JNPA's exceptional commitment to excellence and a collaborative approach. Together, we have set new benchmarks for efficiency, innovation, and reliability in the Indian maritime sector. JNPA has created a truly synergistic relationship that fosters innovation, allowing us to achieve common goals, and ensuring long-term success not only for JNPA but also for all its stakeholders. ”

- Mr. Gobu Selliaya, CEO PSA India



The digital leap for efficiency

Today, JNPAs focus remains laser-sharp on optimising processes. Digitisation and real-time decision-making are at the forefront of JNPA's strategy. Online forms can now be submitted electronically, saving valuable time for businesses and reducing the risk of errors. RFID-based gate access facilitates quicker entry and exit of vehicles, eliminating long queues and bottlenecks. Additionally, a mobile app empowers users with real-time information on cargo location, arrival and departure schedules, and access to various port-related services. Furthermore, e-Delivery Orders (e-DO) hastens import container delivery by streamlining the documentation process.

A one-window clearance system expedites cargo movement by uniting various stakeholders involved in the import and export process under a single umbrella. It allows traders to submit all necessary documentation at one central location. This eliminates the need to run around between different agencies, reducing clearance times and simplifying the overall process for businesses.





JNPA is a firm believer in self-improvement. By constantly monitoring and updating its digital infrastructure, it has surpassed its own records. This dedication is evident in the rising containerised traffic a 7% year-over-year increase to 6.43 million TEUs in 2024. This growth signifies not only increased trade but also JNPA's ability to handle larger volumes successfully, within the same time frames.



The port that keeps your cargo moving

JNPA recognises the critical role of robust infrastructure in achieving smooth operations and improving turnaround time. The enhancements to the Port Community System (PCS) and Terminal Operating System (TOS) have significantly shortened turnaround times. It has also enabled seamless data exchange among various stakeholders in the import and export process. These upgrades facilitate better planning and resource allocation, resulting in optimised terminal operations and efficient cargo movement, thereby minimising congestion and delays. JN Port now maintains a commendable 20-hour benchmark for turnaround time, positioning it among the world's top ports. This efficiency has led to reduced costs, increased profits, and faster outcomes for businesses utilising JNPA's services.





The momentum of progress

Essentially, all of these lean practices allow JNPA to foster an environment conducive to both faster response times for stakeholders and real-time decision making. Streamlined workflows minimise wasted time and effort, ensuring inquiries and concerns are addressed swiftly. Moreover, JNPA empowers its trade with access to real-time data, enabling a culture of agile, informed decision-making that allows them to capitalise on arising opportunities and address challenges promptly. This focus on efficiency translates to a more responsive and adaptable JNPA, ultimately benefiting both the organisation and its partners.

Looking ahead, JNPA's focus will be on further automation and expanding capacity. Future plans include strategies to handle increasing cargo volume, improve hinterland connectivity and add value added services. By embracing innovation and collaboration, JNPA is well on its way to achieving its goals for the future. The port's journey serves as a testament to the transformative power of proactive leadership, a commitment to progress, and a pursuit of excellence.

“ Interacting with officials from JNPA, we've never had to explain our business. It is almost like speaking with an organisation that understands all our expectations, constraints and aspirations. Every time we visit them with certain challenges, we not only come out with solutions but additional acting points for potential improvement. When both parties understand each other, the only way is forward. ”

- **Sunay Mukherjee, Chief Operating Officer,
Gateway Terminals India**



We didn't let COVID stop the world

The 2020 COVID pandemic produced new and unprecedented impacts on global supply chains, ports and shipping. The sharp rise in full and semi-lockdown situations in virtually all European countries and parts of the Americas impacted trading volumes in unheard-of ways.

In India, JNPA emerged as a vital link in maintaining the supply chain during COVID. The digital and infrastructural advancement setup by JNPA, allowed them to be functional during COVID. Not only was the port able to maintain its supply chain within the country but also supported its stakeholders. It was one of only a few ports in the world that continued to stay operational without a break.

The port authorities secured necessary amendments to prohibition orders to ensure the free movement of containers to and from container freight stations (CFSS) and the port. This enabled shipping lines, CFSSs, customs agents, transporters, and the Container Corporation of India to continue their operations as scheduled, helping the port fulfil its duties during these challenging times and perform well, given the situation.

Despite the challenges presented by the global health crisis, JNPA's commitment to its employees, stakeholders, and local communities remained steadfast. It established a dedicated COVID Health Centre (DCHC).

Additionally, extensive community disinfection and sanitisation efforts were conducted in neighbouring villages. The port provided free accommodation, meals and health check-ups to its employees. Furthermore, JNPA collaborated with the 'Save Life Foundation' and 'Enrich Lives Foundation' to launch a free COVID-19 vaccination initiative for container truck drivers.



“ JNPA's thought process has always been different from other ports. The rapid development of infrastructure within and outside the terminal has been a key factor in maintaining seamless operations, even during unprecedented times like the COVID-19 pandemic. During this challenging period, JNPA ensured that the container truck drivers had access to clean facilities and medical assistance. Additionally, a real-time communication channel was established with all stakeholders to promptly address shipping and transportation queries. From the Chairman to the junior-most employee, every member of the JNPA team worked collaboratively to keep operations running smoothly. ”

- Umesh Grover, Secretary General, Container Freight Stations and Former Trustee, JNPA

The port of green prosperity

JNPA is actively embracing sustainable practices for a greener future. By implementing the use of renewable energy sources, promoting eco-friendly operations, and having an environmentally conscious approach, JNPA is committed to minimising its ecological impact and contributing to a healthier planet.





Within the global supply chain, ports have perhaps the most critical role in ensuring the continuous motion of a country's logistical machinery. At JNPA, there is a deep understanding of the immense responsibility ports carry from the perspective of environmental impact.

The port authorities are therefore determined to make a noticeably positive difference, tackling everything from greenhouse gas emissions to conserving biodiversity.

Reducing emissions and embracing clean energy solutions

JNPA's commitment to a greener future is not just a resolution on paper. It is a deep-seated belief that drives every decision the port authority makes. The JNPA has for a long time now implemented shore power facilities for its tug and pilot boats. JNPA is in process to complete feasibility study and carrying out DPR to provide shore power to coastal & exim vessels. This significantly reduces air pollution and contributes to a cleaner harbour environment. One of the biggest contributors to pollution at ports is the constant hum of diesel trucks.



"Zero Emission Trucking"

initiative tackles this head-on – actively transitioning from diesel-powered trucks to electric vehicles within the port. JNPA boasts a fleet of 31 electric rubber-tired gantry cranes (E-RTGs) and 12 electric vehicles for various operations within the port. These electric alternatives reduce reliance on diesel, leading to a reduction of 1500 tonnes of carbon footprint annually. These efforts align with India's national goals like the Harit Sagar guidelines and the Maritime India Vision 2030.



Electric vehicles and cranes are just one piece of the puzzle. JNPA is aggressively integrating renewable energy sources into its operations. The port's robust solar power generation capacity is constantly growing. Currently at 4.10MWp capacity, it is further supplemented by an additional 35 MW of green power from open access.

JNPA is committed to reaching a 50% renewable energy share by 2024-2025. Additionally, the plan is to completely phase out diesel vehicles within the port premises in the next five years. These ambitious targets signify JNPA's unwavering dedication, to lead by example, in the fight against climate change.

“Jawaharlal Nehru Port Authority (JNPA) has genuinely embraced sustainability through initiatives such as shore power systems, electric vehicle fleets, and smart grid integration. By 2030, JNPA aims to become a 100% green port and to achieve this, JNPA has implemented measures like biodiversity preservation, energy management and water quality monitoring. This comprehensive approach to ecological responsibility positions JNPA as a pioneer in becoming a green and sustainable port.”

- **Shyam Jagannathan, IAS**
Director General of Shipping,
Government of India



Waste management and biodiversity initiatives

Environmental responsibility goes beyond just cutting emissions. There is a delicate balance in the coastal ecosystem and JNPA is actively working to protect it. Responsible and stricter waste management practices have been implemented to ensure minimal impact on the port's surrounding environment. Mangroves, vital for marine life and coastal protection, are actively nurtured and preserved, thus preventing coastal erosion and leading to improved water quality.

Moreover, stagnant water bodies, like lakes, within the port area are undergoing revitalisation through bioengineering techniques, fostering biodiversity and wildlife habitats. The multifaceted approach involves pollution source elimination, restoration of natural water flows, native vegetation planting, and creation of habitats for diverse flora and fauna. The lake rejuvenation initiative undertaken by JNPA, not only improves water quality but also promotes biodiversity within the port area.

Recognised as part of the National Action Plan for climate change and integrated into MIV 2030, this project aligns with the port's green initiatives, aiming to enhance ecological resilience. By promoting biodiversity, mitigating water stagnation issues, and enhancing aesthetic appeal, the project not only benefits the local environment but also provides a welcoming retreat for residents and visitors alike.



Energy efficiency through green power



“ JNPA takes immense pride in handling all marine operations internally, allowing for the highest level of control and meticulous planning. My team works tirelessly to ensure the safe navigation of all vessels. The successful arrival of MSC Hamburg, the longest vessel ever to call at an Indian port, showcases our world-class infrastructure and the expertise of our personnel in handling such large and complex vessels. This success strengthens JNPA's position as a vital gateway for international trade and reinforces our commitment to facilitating global supply chains.

- Captain Balasaheb V. Pawar, Deputy Conservator, JNPA

“ JNPA has always prioritised responsiveness to stakeholder needs. We anticipate trade requirements and ensure our infrastructure is in place well before they arise. Under strong leadership, we've consistently endeavoured to provide state-of-the-art infrastructure, including landside road and rail connectivity, while ensuring a guaranteed water depth of 15 metres to accommodate larger vessels. This commitment is reflected in our CAPEX, which is consistently the highest amongst major ports in India. ”

- Dr. G. Vaidyanathan, Chief General Manager, Port Planning and Development, JNPA



JNPA's vision for a sustainable future extends beyond its own operations. The port now holds a licence from Maharashtra State Electricity Distribution Company Limited (MSEDCL) and has commissioned a Smart Street Lighting System for the JNPA Township. By securing this partnership with MSEDCL, JNPA is positioned to leverage its resources and infrastructure to potentially emerge as a supplier of green power. This strategic move not only benefits the port itself but also holds the promise of delivering cleaner energy to the surrounding region, thus contributing to broader environmental sustainability goals.

Moreover, the port is proactively working towards providing charging infrastructures, thus encouraging the private terminal operators to switch to electric vehicles. This paradigm shift would be a game-changer, solidifying JNPA's position as a true leader in sustainable maritime practices.

The journey towards a greener future is ongoing, but JNPA is at the forefront, taking concrete steps to ensure a cleaner, healthier environment for generations to come.





Power to the people

JNPA invests in continuous upskilling and reskilling training programs for its employees, just as it does for the population of the twelve villages surrounding JNPA. Separately, JNPA also drives a variety of socio-economic projects—basic education, infrastructure, rainwater harvesting, roadways and housing. This constant focus on the well-being of those in and around the port facilitates a shared understanding and common drive for success, allowing JNPA and its people to grow together.

JNPA is at the forefront of shaping a skilled and competent workforce for the Indian maritime industry. Recognizing the crucial role that human capital plays in achieving operational excellence and sustained growth, JNPA has implemented an approach that emphasises teamwork and encourages a symbiotic relationship between the port, industry stakeholders, and the workforce.

“ Effective port management training is the cornerstone of maritime efficiency, fostering skilled leadership and optimizing operations. By investing in comprehensive education at JNPA APEC Port Training Centre , Indian ports can navigate the complexities of global trade with confidence. ”

-Kristof Waterschoot, Managing Director Port of Antwerp Bruges International - APEC





A global hub for knowledge sharing

In 2015, the JNPT -Antwerp Port Training and Consultancy Foundation was established. It stands as a testament to JNPA's commitment to international cooperation, and brings together the expertise of JNPA (India), APEC (Asia Pacific Economic Cooperation - Belgium), and the Port of Antwerp (Belgium), a leading player in the global maritime landscape.

The wide range of programs offered through this foundation are designed for senior and middle management personnel working in public and private ports, logistics companies, and government bodies, equipping them with the skills and knowledge necessary to navigate the complexities of the modern maritime industry. They address various aspects of port and terminal management including courses like Dredging Strategy and Technology, Marine Services and Port and Terminal Management and Optimisation.

The training centre within the port boasts modern classrooms equipped with the latest technological advancements to facilitate interactive learning, as well as breakout rooms that encourage collaboration and knowledge sharing among participants. Most importantly, the faculty comprises experienced professionals from the maritime industry, ensuring that participants receive practical insights and real-world knowledge.

The JNPT-Antwerp Port Training and Consultancy Foundation has now expanded its reach to welcome international participants. This move underscores JNPA's commitment to knowledge sharing on a global scale. By bringing together professionals from across the world, the foundation creates a platform for cross-cultural exchange of ideas and best practices.



Building a skilled workforce for the future

The CIDCO JNPT Allcargo Skill Training Centre, initiated in 2018, exemplifies JNPA's commitment to building a highly trained workforce that addresses the specific needs of the maritime industry. This centre operates under a symbiotic relationship, where JNPA partners with industry leaders like Allcargo to equip individuals with the job-ready skills necessary to thrive in the sector.

The courses offered at the CIDCO JNPT Allcargo Skill Training Centre focus on practical skills development, ensuring that graduates possess the expertise required to make an immediate contribution to the workforce. This targeted approach directly addresses the challenge of skill gaps within the maritime industry, creating a win-win situation for both the graduates and the port itself.



The JNPT-Antwerp Port Training and Consultancy Foundation and the CIDCO JNPT Allcargo Skill Training Centre represent two sides of the same coin. While the foundation focuses on upskilling experienced professionals, the training centre equips individuals with entry-level skills. Together, these initiatives create a pipeline of talent that ensures a competent workforce for the maritime industry.



“ JNPA goes beyond port operations. Our efforts are centered around uplifting the surrounding villages, developing a sustainable ecosystem, and ensuring the well-being of our neighbours. Even during the onset of COVID-19, we partnered with village leaders on health drives, distributing thermometers and other health supplies. This collaborative approach ensures long-term positive impact for all. ”

- Manisha Jadhav, General Manager of Administration; and Secretary, JNPA



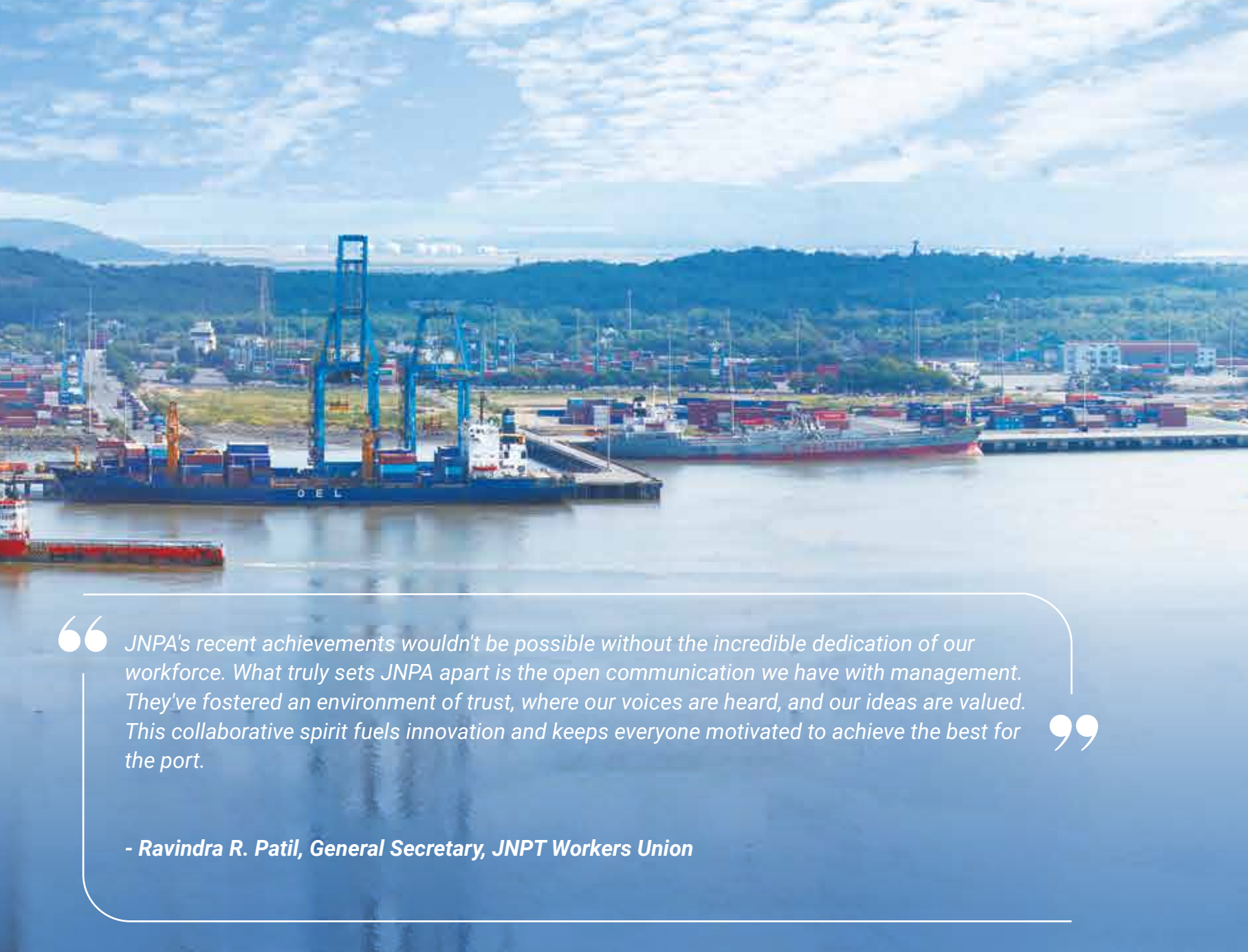
“ We are happy to note and appreciate that under the present able Chairmanship, JNPA has been achieving new heights of productivity. It has undertaken ambitious projects of national importance. JNPA looks after the interests of its employees well. There's a professional development of the port. There are growth opportunities. JNPA's contribution to the welfare of the employees and its readiness to shoulder corporate social responsibilities for the region's development is praiseworthy. We assure the Chairman and members of his team of the fullest continued cooperation for all-round growth of JNPA including regional development as has been envisaged by the Chairman, JNPA. ”

- **Dinesh K. Patil, President, JNPT Kamgar Ekta Sanghatana**

A home by the harbour

Along with skills and competency, JNPA also prioritises the development of its people in terms of their overall socio-economic development as individuals. A key example of this commitment is the JNPA Township.





“ JNPA's recent achievements wouldn't be possible without the incredible dedication of our workforce. What truly sets JNPA apart is the open communication we have with management. They've fostered an environment of trust, where our voices are heard, and our ideas are valued. This collaborative spirit fuels innovation and keeps everyone motivated to achieve the best for the port. ”

- Ravindra R. Patil, General Secretary, JNPT Workers Union

The residential complex provides JNPA employees and port users with convenient, secure, and affordable housing options. The township features essential amenities such as the Jawaharlal Nehru Port Hospital, primary and high schools, club houses, a shopping mall, and a market plaza, ensuring a comprehensive living experience for its residents.

Additionally, its strategic location boasts easy access to transportation hubs enhancing commuting convenience. By ensuring access to safe and comfortable housing, JNPA helps to attract and retain skilled personnel, ultimately contributing to the port's overall efficiency and success.



“ 35 years of life span of JNPA is full of development ,Expansion in operation and financial upliftment which is benefited to all stakeholders. ”

- Bhushan Patil Ex. Trustee JNPA

Section 03

Charting new waters of prosperity

Taking the distinctive growth story of JNPA forward, the port authority has now set its sights on future expansion for continued development and prosperity. Strategic investments in infrastructure, embracing of new technologies to streamline operations, and nurturing connections with global trade partners are an intrinsic part of its immediate plans. Innovation is a large part of expanding JNPAs capabilities, and the port is poised to stay ahead of the curve in the ever-evolving maritime industry.

Maharashtra currently has only two major ports, Mumbai Port Authority and Jawaharlal Nehru Port Authority. As one of India's leading port trusts, JNP is constantly pushing boundaries to meet the ever-growing demands of international trade. As cargo volumes swell, JNPA is determined to grow with it. Poised to handle 10 million TEUs of containers by 2025, the port is rapidly approaching its maximum capacity.



Presenting the Vadhavan Port project

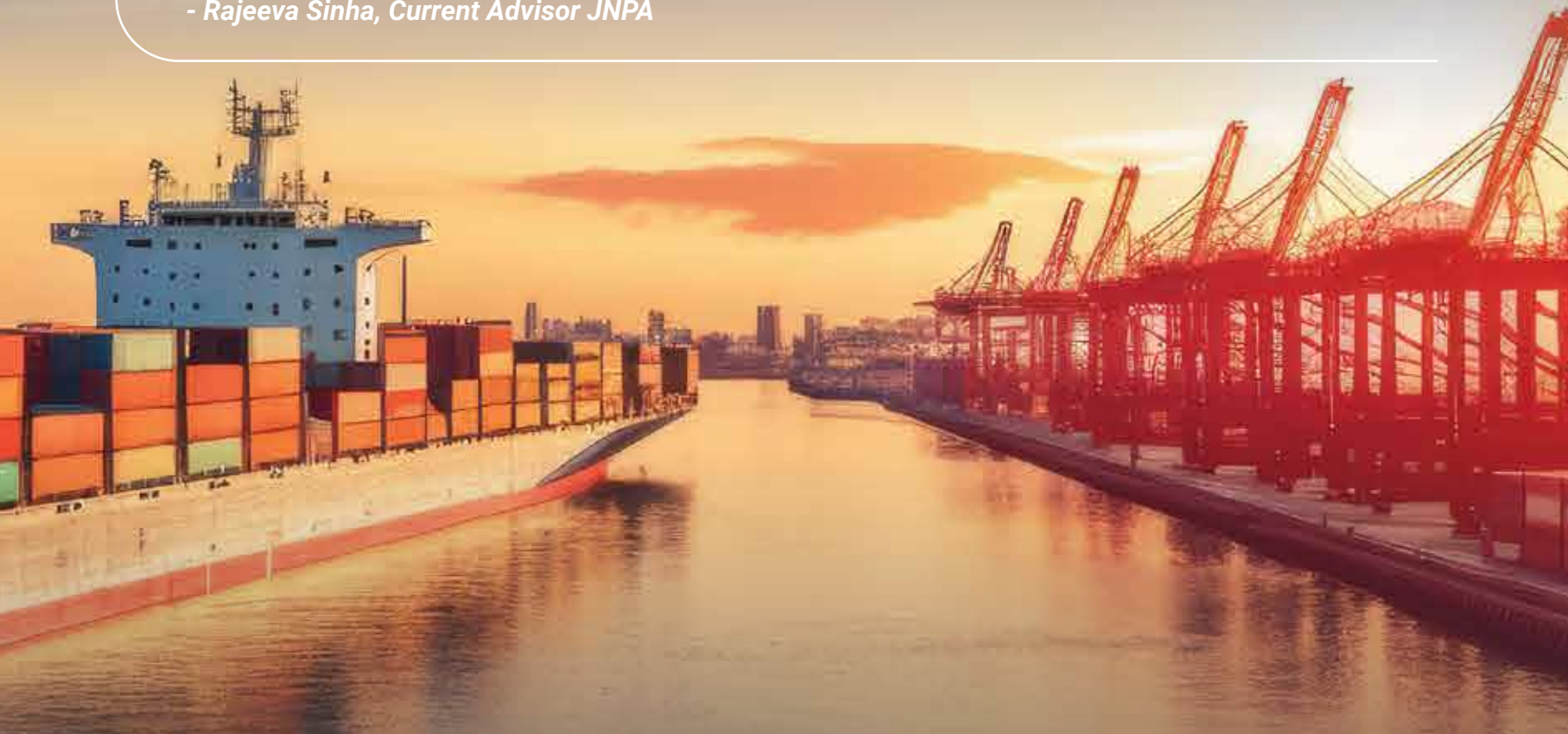
To deal with this challenge, JNPA along with the Maharashtra Maritime Board has undertaken the construction of the Vadhavan Port. This is a brand new green-field deep-water port strategically located roughly 150 kilometres north of Mumbai. It is being jointly developed by JNPA and Maharashtra Maritime Board with a shareholding of 74% and 26% respectively and will mirror JNPA's fully landlord port structure.

The Vadhavan Port project is a colossal undertaking, with an estimated investment of INR 76,220 crore. This signifies JNPA's unwavering commitment to building a future-proof maritime infrastructure for India. Sustainability is a core principle, with the project undergoing a rigorous four-year environmental impact assessment before receiving approval in July 2023.



“ *First in implementing productivity measures against challenges and die hard legacy norms JNPORT kept breaking its own benchmarks. Having exploited its full potential it has embarked on a massive port development project at Vadhavan with projected capacity of 22 mn TEUs that will bring India among the top 10 container ports in the world. Needless to say JNPA has also brought great prosperity to the local community by way of employment and business opportunity improving their well being JNPA management deserves to be commended for this wonderful journey of last 35 years* ”

- Rajeeva Sinha, Current Advisor JNPA



One of the most significant advantages of Vadhavan Port lies in its strategic location. This carefully chosen site serves multiple purposes. Primarily, it will address the ever-increasing trade needs of JNP by allowing greatly increased capacity and the natural advantage of deeper water (20 metres) to accommodate larger vessels and saving them the effort of a time-consuming detour.

Furthermore, the location is about ten kilometres from the National Railway grid and about 35-40 kilometres from National Highway 8, making it ideal for inland connectivity. This streamlining translates into faster turnaround times, reduced costs, and a more efficient maritime trade network for India.



Building a maritime future for India

The Vadhavan Port is poised to be a pivotal factor in India's economic growth story, especially with its strategic location and efficient operations. It will serve as a vital hub for import and export activities, enhancing India's trade potential. By attracting trans-shipment traffic that currently flows through ports in India's neighbouring countries, Vadhavan Port will reduce logistics costs and bolster India's competitiveness in global trade.

Maharashtra stands to benefit from the establishment of Vadhavan Port as it will attract industrial investment and stimulate economic activity in the region. The port's proximity to inland clusters and transportation corridors will facilitate the efficient movement of goods, encouraging industrial growth and development.



The VadHAVAN project promises to be a significant job generator. JNPA estimates the creation of around ten lakh (one million) jobs in the next decade, encompassing both direct and indirect employment opportunities. This translates into a significant economic boost for the region, and for the nation as a whole. The ripple effect of the VadHAVAN Port will extend far beyond the port itself, creating a thriving ecosystem of ancillary services and businesses.

The VadHAVAN Port project is more than just a port; it is a symbol of JNPA's vision for a thriving maritime future for India. It signifies a commitment to sustainable practices, efficient trade logistics, and the creation of job opportunities. With its deep-water capabilities, VadHAVAN Port positions India to become a more prominent player in the global maritime trade landscape. With this ambitious project, the future of India's maritime sector is bright and brimming with potential.

Acknowledgements

We extend our heartfelt gratitude to the former Chairpersons , the former Deputy Chairpersons , the former Heads of Departments, and the retired officers and staff of JNPA. Their vision, support and dedicated service have been instrumental in shaping the port into a leading maritime hub.

We also express our sincere appreciation to the current employees and stakeholders of JNPA. Their unwavering dedication, hard work, and collaborative efforts ensure the continued success and growth of the port.

A special thanks to the entire port management, all Heads of Departments, and their staff, especially Ambika Singh, the Senior Marketing Manager, for their invaluable contributions to this book. Their cooperation, insights, and support have been essential in documenting and celebrating the rich history and achievements of JNPA.





