

# LOGISTICS DATA BANK

## ANALYTICS REPORT

2023  
March





**NATIONAL LOGISTICS  
POLICY**  
LAUNCHED BY  
**SHRI NARENDRA MODI**  
PRIME MINISTER  
\* IN THE AUGUST PRESENCE OF \*

|   |   |
|---|---|
| <b>Shri Nitin Jairam Gadkari</b><br>Minister, Road Transport and Highways   | <b>Smt. Nirmala Sitharaman</b><br>Minister, Finance and Corporate Affairs                           |
| <b>Shri Piyush Goyal</b><br>Minister, Commerce & Industry;<br>Consumer Affairs, Food and<br>Public Distribution; and Textiles | <b>Shri Dharmendra Pradhan</b><br>Minister, Education and<br>Skill Development and Entrepreneurship |
| <b>Shri Sarbananda Sonowal</b><br>Minister, Port, Shipping and Waterways;<br>and AYUSH  | <b>Shri Jyotiraditya M. Scindia</b><br>Minister, Civil Aviation; and Steel                          |
| <b>Shri Ashwini Vaishnaw</b><br>Minister, Railways; Communications;<br>and Electronics and Information Technology             | <b>Shri Som Prakash</b><br>Minister of State for<br>Commerce & Industry                             |
| <b>Smt. Anupriya Patel</b><br>Minister of State for Commerce & Industry   |   |

ASHWINI VAISHNAW  
MINISTER OF RAILWAYS, COMMUNICATIONS,  
AND ELECTRONICS AND INFORMATION TECHNOLOGY

SARBANANDA SONOWAL  
MINISTER OF PORT, SHIPPING AND WATERWAYS;  
AND AYUSH

NITIN JAIRAM GADKARI  
MINISTER OF ROAD TRANSPORT AND HIGHWAYS

PRIME MINISTER

PIYUSH GOYAL  
MINISTER OF COMMERCE AND INDUSTRY;  
CONSUMER AFFAIRS, FOOD AND PUBLIC  
DISTRIBUTION AND TEXTILES

DHARMENDRA PRADHAN  
MINISTER OF EDUCATION AND  
SKILL DEVELOPMENT AND ENTREPRENEURSHIP

JYOTIRADITYA M. SCINDIA  
MINISTER OF CIVIL AVIATION AND STEEL

SOM PARKASH  
MINISTER OF STATE FOR COMMERCE & INDUSTRY

## NATIONAL LOGISTICS POLICY

LAUNCHED BY HON'BLE PRIME MINISTER **SHRI NARENDRA MODI** ON 17<sup>th</sup> SEPTEMBER 2022



# Index

## Section

# 01

## REPORT INFERENCE

This sections depicts the inference and major highlights of the report

1. Brief Summary
2. Pan India Performance
3. Port Dwell Time Performance – Corridor & Terminal wise Performance
4. Critical Incident Summary
5. COVID-19 impact
6. Pan India - Port Performance Benchmarking & Performance Index
7. Pan India - CFS Performance Benchmarking & Performance Index
8. Region wise segmentation, Western Region ICD performance and region-wise CFS performance

## Section

# 02

## ANNEXURE

This sections depicts the analysis of Individual Port Terminals region-wise

1. Individual Terminal Performance In Southern Corridor
2. Individual Terminal Performance In Eastern Corridor
3. Individual Terminal Performance In Western Corridor
4. Congestion Analysis
5. Analysis of Container Movement across India



SHOWCASING THE PROGRESS OF  
**EXIM CONTAINER TRACKING**

TRACKED  
**50+ MILLION CONTAINERS**

Section

01

01

# BRIEF SUMMARY



# Brief Port-wise Dwell Time – Import Cycle

## Import Dwell Time - Six month's Performance

| IMPORT |               | Oct'22<br>(in hrs) | Nov'22<br>(in hrs) | Dec'22<br>(in hrs) | Jan'23<br>(in hrs) | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|--------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        | Chennai       | 41.8               | 40.5               | 35.6               | 45.3               | 41.2               | 33.0               |
|        | Ennore        | 34.0               | 38.3               | 45.1               | 38.0               | 36.6               | 30.5               |
|        | Haldia        | 88.4               | 69.0               | 89.1               | 67.0               | 110.7              | 75.1               |
|        | Hazira        | 22.7               | 35.0               | 27.3               | 38.5               | 33.0               | 40.4               |
|        | JNPA          | 20.6               | 19.4               | 22.6               | 21.9               | 27.8               | 26.5               |
|        | Kandla        | 44.5               | 45.6               | 46.4               | 21.2               | 19.4               | 25.1               |
|        | Kattupalli    | 43.1               | 53.4               | 54.0               | 43.2               | 48.5               | 42.3               |
|        | Kochi         | 38.2               | 40.0               | 36.7               | 46.6               | 39.9               | 56.3               |
|        | Kolkata       | 34.3               | 38.2               | 37.2               | 30.6               | 30.7               | 29.3               |
|        | Krishnapatnam | 36.8               | 37.1               | 16.3               | 32.2               | 43.2               | 27.0               |
|        | Mangalore     | 103.5              | 77.2               | 66.3               | 60.4               | 58.9               | 57.7               |
|        | Mundra        | 29.6               | 27.0               | 27.2               | 23.6               | 33.7               | 40.3               |
|        | Pipavav       | 29.0               | 65.1               | 54.1               | 40.1               | 47.6               | 43.3               |
|        | Tuticorin     | 19.3               | 19.8               | 22.0               | 23.4               | 38.8               | 20.9               |
|        | Visakhapatnam | 55.7               | 51.7               | 55.5               | 49.1               | 63.8               | 48.8               |

# Brief Port-wise Dwell Time – Export Cycle

## Export Dwell Time - Six month's Performance

| EXPORT |               | Oct'22<br>(in hrs) | Nov'22<br>(in hrs) | Dec'22<br>(in hrs) | Jan'23<br>(in hrs) | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|--------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        | Chennai       | 83.2               | 81.9               | 85.5               | 89.4               | 83.9               | 82.5               |
|        | Ennore        | 95.6               | 96.5               | 105.6              | 100.3              | 98.4               | 97.4               |
|        | Haldia        | 79.3               | 96.0               | 95.9               | 144.0              | 96.0               | 100.4              |
|        | Hazira        | 111.3              | 115.7              | 107.4              | 103.1              | 106.9              | 107.3              |
|        | JNPA          | 69.7               | 68.7               | 69.0               | 70.9               | 69.5               | 74.0               |
|        | Kandla        | 85.5               | 135.2              | 151.2              | 87.5               | 98.5               | 101.1              |
|        | Kattupalli    | 82.3               | 84.4               | 86.8               | 87.8               | 82.1               | 89.0               |
|        | Kochi         | 82.4               | 69.1               | 73.5               | 70.5               | 74.0               | 68.7               |
|        | Kolkata       | 97.1               | 96.6               | 94.1               | 126.8              | 123.9              | 133.3              |
|        | Krishnapatnam | 68.9               | 56.3               | 60.8               | 78.8               | 54.4               | 59.3               |
|        | Mangalore     | -                  | -                  | 67.6               | 70.2               | 85.1               | 80.6               |
|        | Mundra        | 102.7              | 103.2              | 97.0               | 106.2              | 98.6               | 103.6              |
|        | Pipavav       | 123.6              | 106.3              | 103.6              | 108.4              | 83.2               | 86.8               |
|        | Tuticorin     | 58.1               | 48.6               | 58.1               | 64.9               | 74.0               | 56.0               |
|        | Visakhapatnam | 66.1               | 74.0               | 78.1               | 88.7               | 84.0               | 77.0               |

## Port-wise CFS Dwell Time

|               | <b>Oct'22</b><br>(in hrs) | <b>Nov'22</b><br>(in hrs) | <b>Dec'22</b><br>(in hrs) | <b>Jan'23</b><br>(in hrs) | <b>Feb'23</b><br>(in hrs) | <b>Mar'23</b><br>(in hrs) |
|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Chennai       | 101.2                     | 105.6                     | 96.3                      | 103.1                     | 100.7                     | 91.5                      |
| Ennore        | 101.2                     | 105.6                     | 96.3                      | 103.1                     | 100.7                     | 91.5                      |
| Haldia        | 123.9                     | 112.4                     | 105.1                     | 102.7                     | 140.7                     | 123.6                     |
| Hazira        | 94.7                      | 103.4                     | 94.1                      | 101.8                     | 96.0                      | 93.5                      |
| JNPA          | 82.2                      | 84.1                      | 77.1                      | 77.7                      | 80.3                      | 80.6                      |
| Kattupalli    | 101.2                     | 105.6                     | 96.3                      | 103.1                     | 100.7                     | 91.5                      |
| Kochi         | 116.1                     | 100.3                     | 98.1                      | 100.4                     | 103.2                     | 81.3                      |
| Kolkata       | 138.7                     | 119.1                     | 123.5                     | 124.0                     | 126.7                     | 120.0                     |
| Krishnapatnam | 97.5                      | 116.7                     | 89.4                      | 108.3                     | 78.5                      | 112.9                     |
| Mundra        | 90.8                      | 87.0                      | 84.3                      | 81.5                      | 82.0                      | 84.8                      |
| Pipavav       | 68.9                      | 72.7                      | 78.2                      | 81.3                      | 86.1                      | 89.9                      |
| Tuticorin     | 125.1                     | 125.9                     | 107.4                     | 125.6                     | 126.0                     | 134.9                     |
| Visakhapatnam | 132.4                     | 143.2                     | 154.5                     | 149.8                     | 129.2                     | 134.0                     |



# Brief CFS/ ICD Dwell Time & Transit Time

## Region-wise CFS Dwell Time

|          | Oct'22<br>(in hrs) | Nov'22<br>(in hrs) | Dec'22<br>(in hrs) | Jan'23<br>(in hrs) | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Western  | 82.8               | 86.3               | 80.2               | 79.5               | 81.8               | 83.0               |
| Southern | 104.8              | 109.3              | 98.0               | 106.7              | 103.2              | 97.7               |
| Eastern  | 136.7              | 126.0              | 132.7              | 127.6              | 127.7              | 123.1              |

## ICD Dwell Time

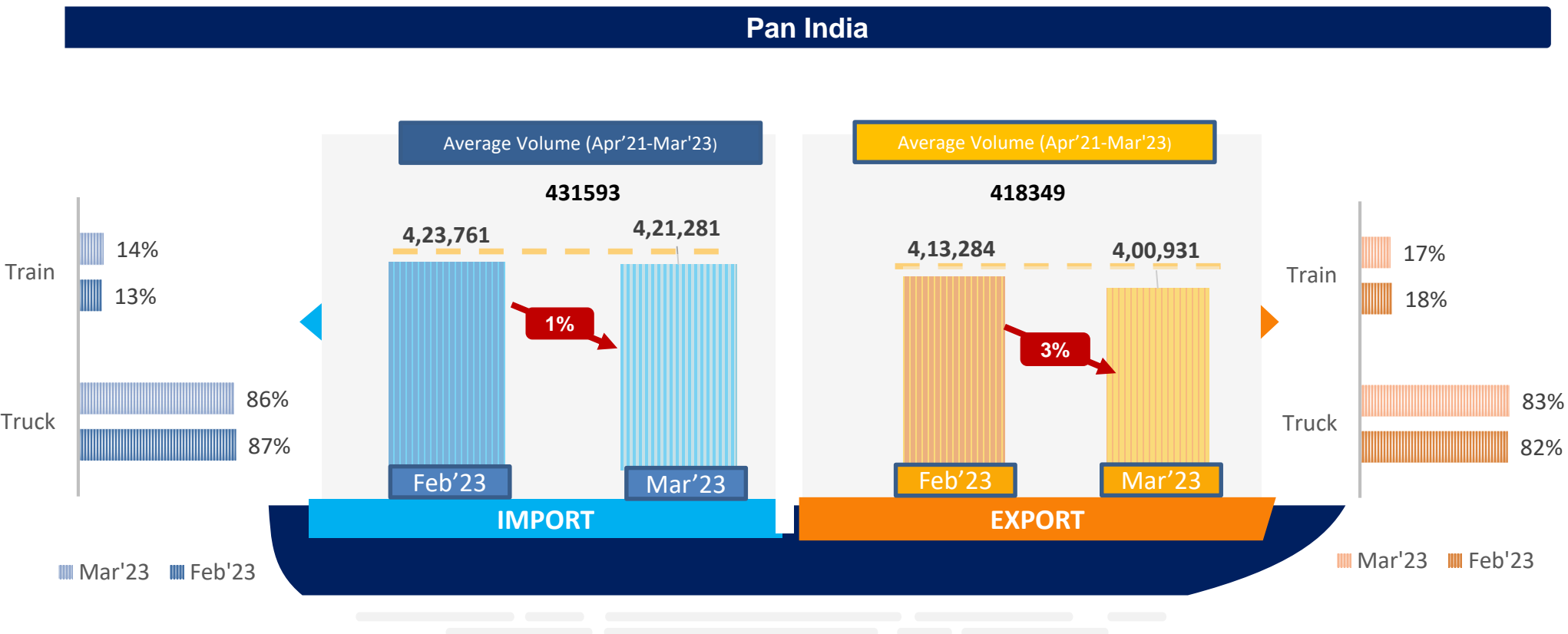
|         | Oct'22<br>(in hrs) | Nov'22<br>(in hrs) | Dec'22<br>(in hrs) | Jan'23<br>(in hrs) | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Western | 111.5              | 121.8              | 110.3              | 119.1              | 112.4              | 119.4              |

## Transit Time – Between Delhi & Mumbai

|             | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|-------------|--------------------|--------------------|
| Port to ICD | 105.0              | 78.4               |
| ICD to Port | 78.8               | 85.5               |

# Brief Volume Analysis – Pan India

Below graphs depicts the change in volume percentage during the month of March'23 w.r.t the last month i.e., February'23 and the average EXIM corridor wise volume.



Section

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02

# PAN INDIA PERFORMANCE

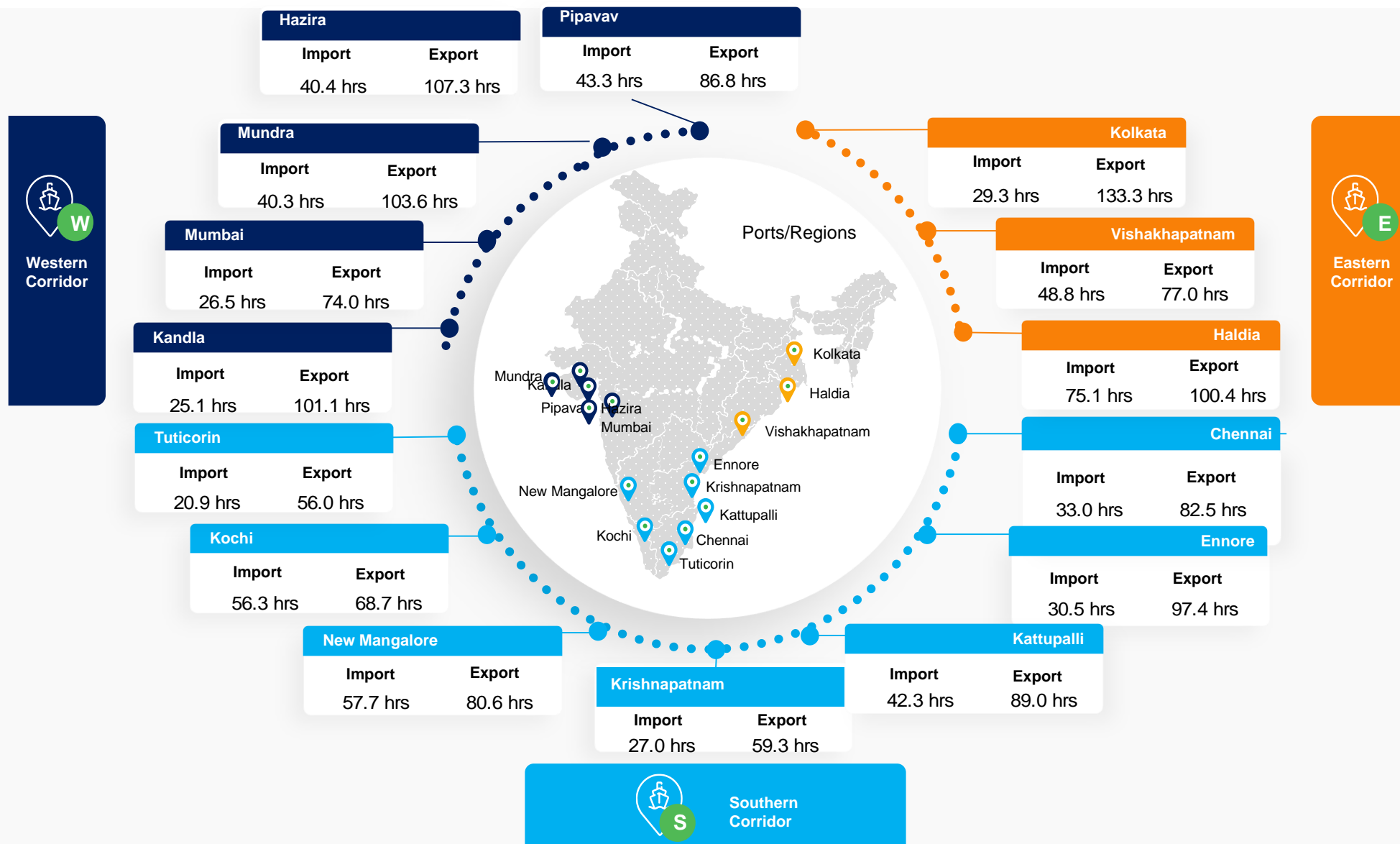




SHOWCASING THE LIVE DEMO OF **“TRACK YOUR TRANSPORT”** APP AT **LDB EXHIBITION**



# PAN INDIA Performance Snapshot: March 2023 (Dwell Time)





**ULIP** LAUNCHED ON 17<sup>TH</sup> SEPTEMBER 2022 AS PART OF **NATIONAL LOGISTICS POLICY**

Section

01

03

# PORT DWELL TIME PERFORMANCE

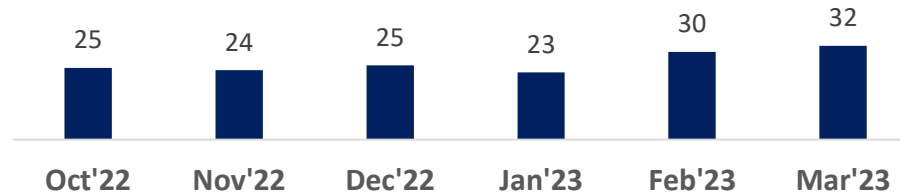
- WESTERN CORRIDOR
- SOUTHERN CORRIDOR
- EASTERN CORRIDOR
- PREDICTIVE ANALYSIS



# Port Dwell Time Performance – Western Corridor (Import Cycle)

## Import Cycle – Dwell Time Performance – Western Corridor (in hrs)

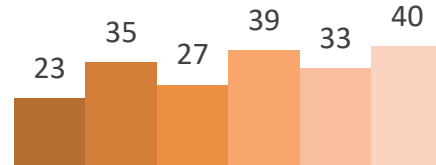
### Western Corridor



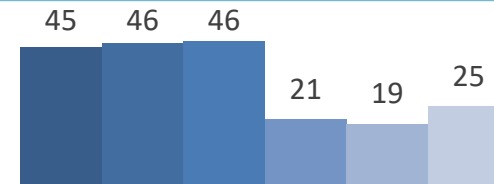
### Port - Wise



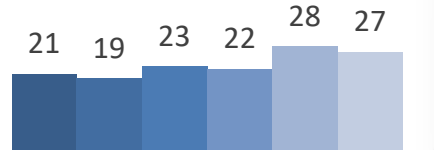
#### Hazira



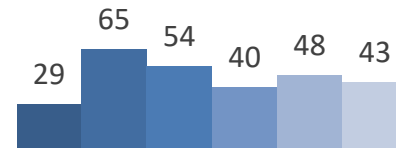
#### Kandla



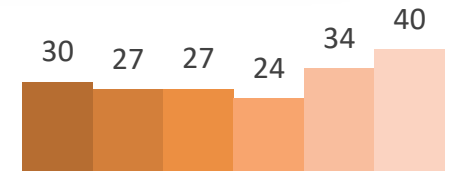
#### JNPA



#### Pipavav



#### Mundra

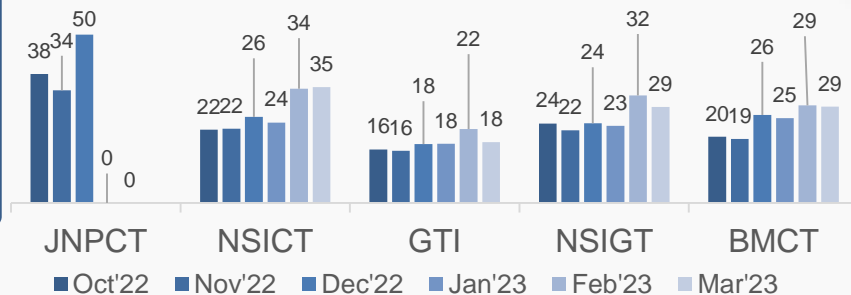


■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

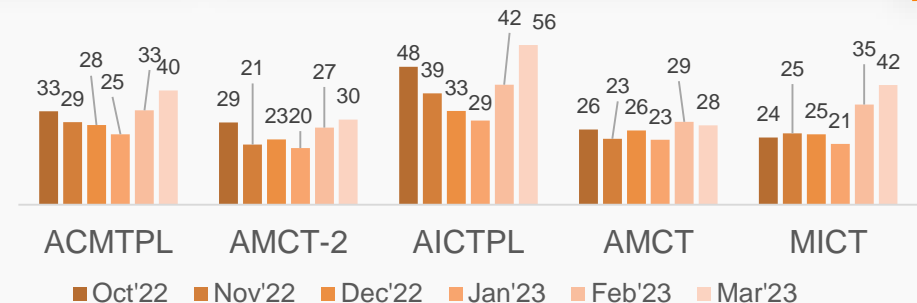
■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

### JNPA - Terminal



### Mundra - Terminal

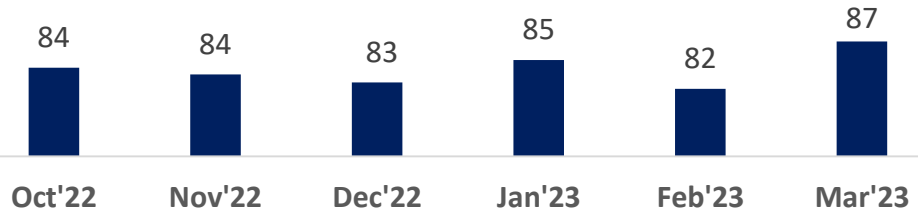




# Port Dwell Time Performance – Western Corridor (Export Cycle)

## Export Cycle – Dwell Time Performance – Western Corridor (in hrs)

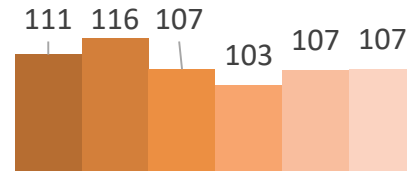
### Western Corridor



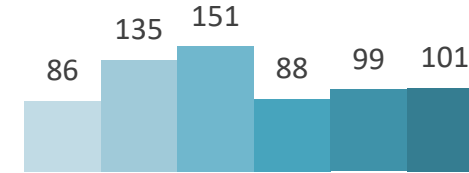
### Port - Wise



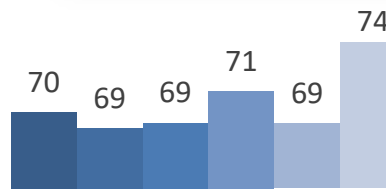
#### Hazira



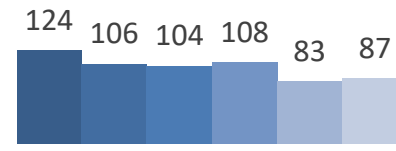
#### Kandla



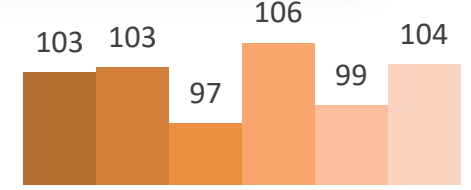
#### JNPA



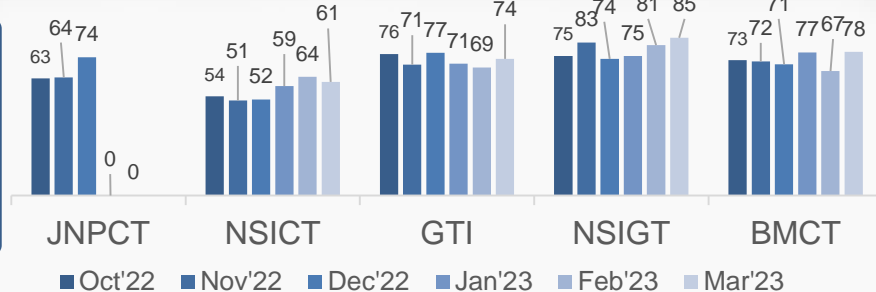
#### Pipavav



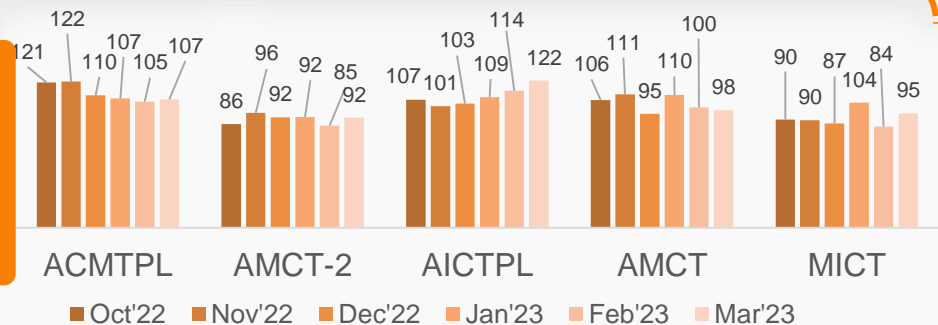
#### Mundra



### JNPA - Terminal



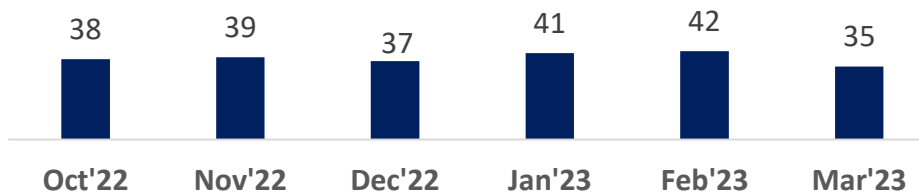
### Mundra - Terminal



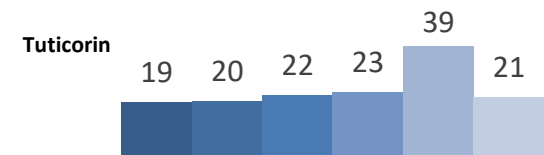
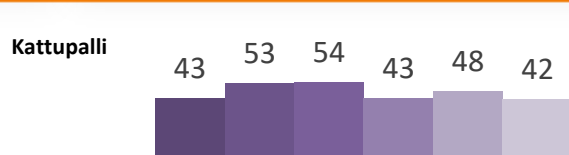
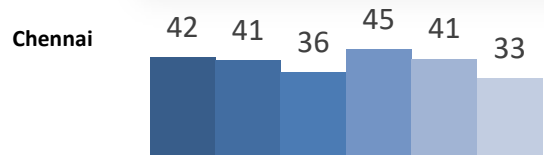
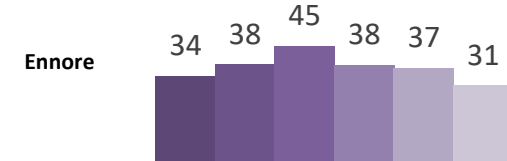
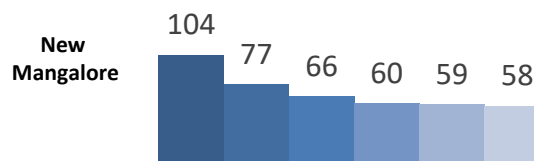
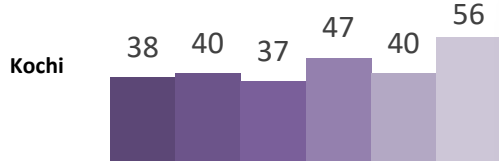
# Port Dwell Time Performance – Southern Corridor (Import Cycle)

## Import Cycle – Dwell Time Performance – Southern Corridor (in hrs.)

### Southern Corridor



### Port - Wise

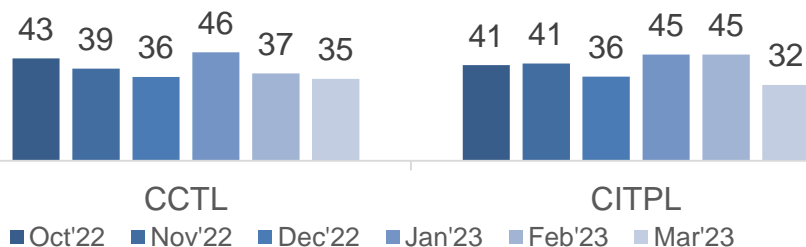


■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

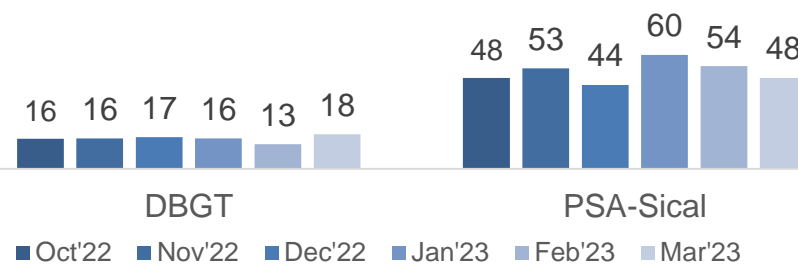
■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

### Chennai - Terminal



■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

### Tuticorin - Terminal

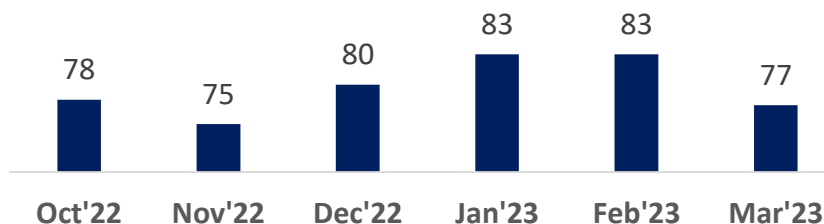


■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

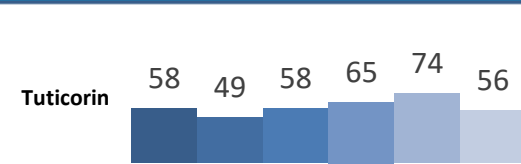
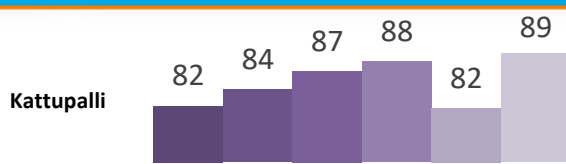
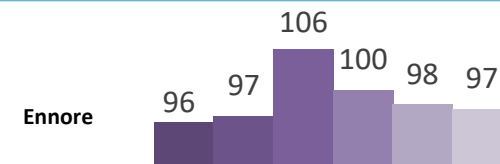
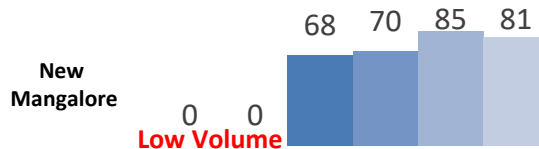
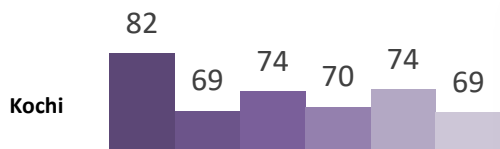
# Port Dwell Time Performance – Southern Corridor (Export Cycle)

## Export Cycle – Dwell Time Performance – Southern Corridor (in hrs)

### Southern Corridor



### Port - Wise

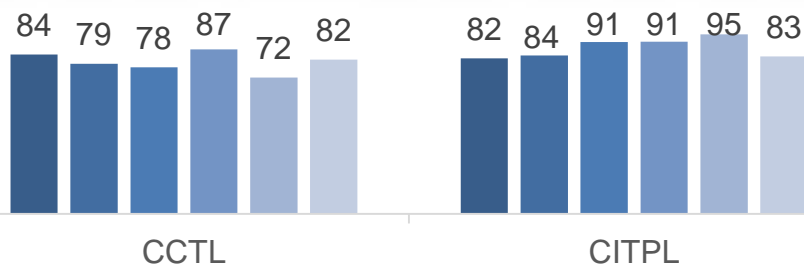


■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

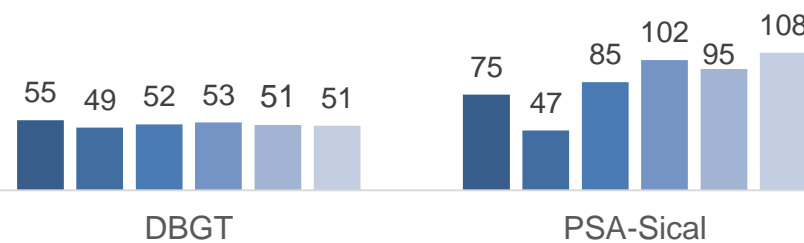
■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

### Chennai - Terminal



■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

### Tuticorin - Terminal

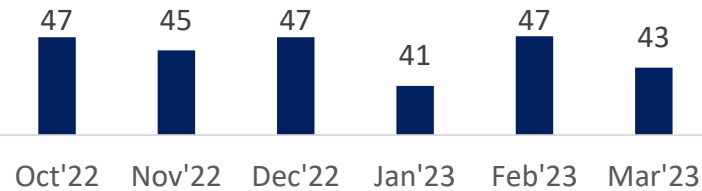


■ Oct'22 ■ Nov'22 ■ Dec'22 ■ Jan'23 ■ Feb'23 ■ Mar'23

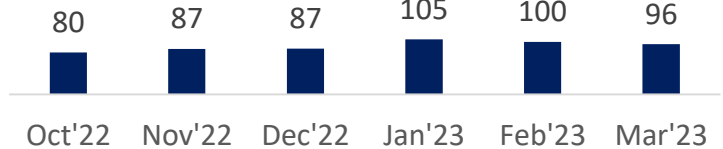
# Port Dwell Time Performance – Eastern Corridor

## Import Cycle (in hrs)

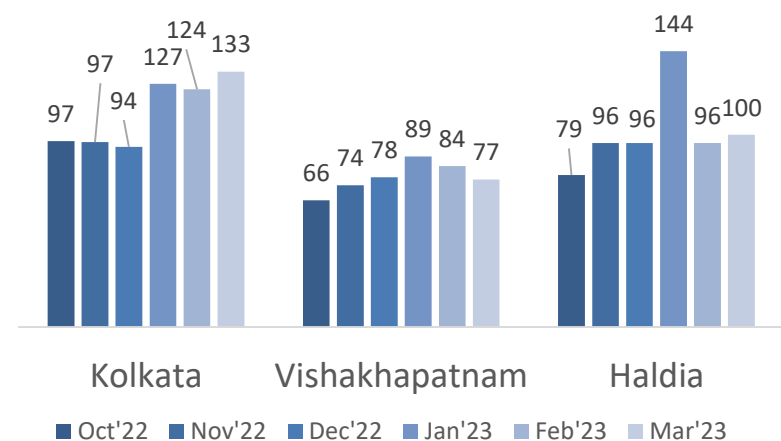
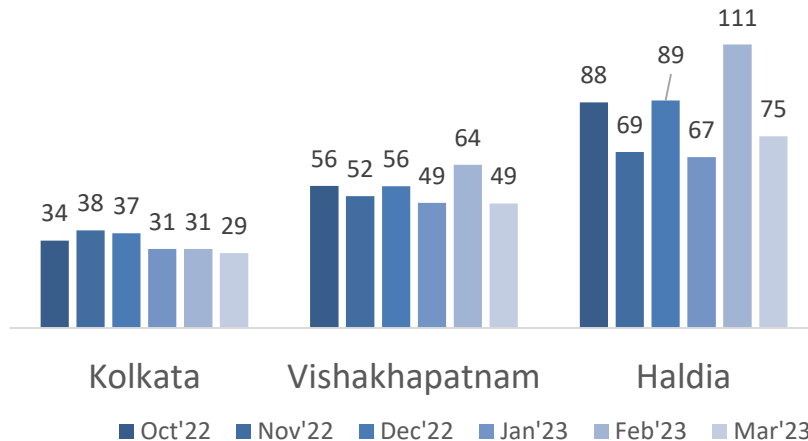
### Eastern Corridor



## Export Cycle (in hrs)



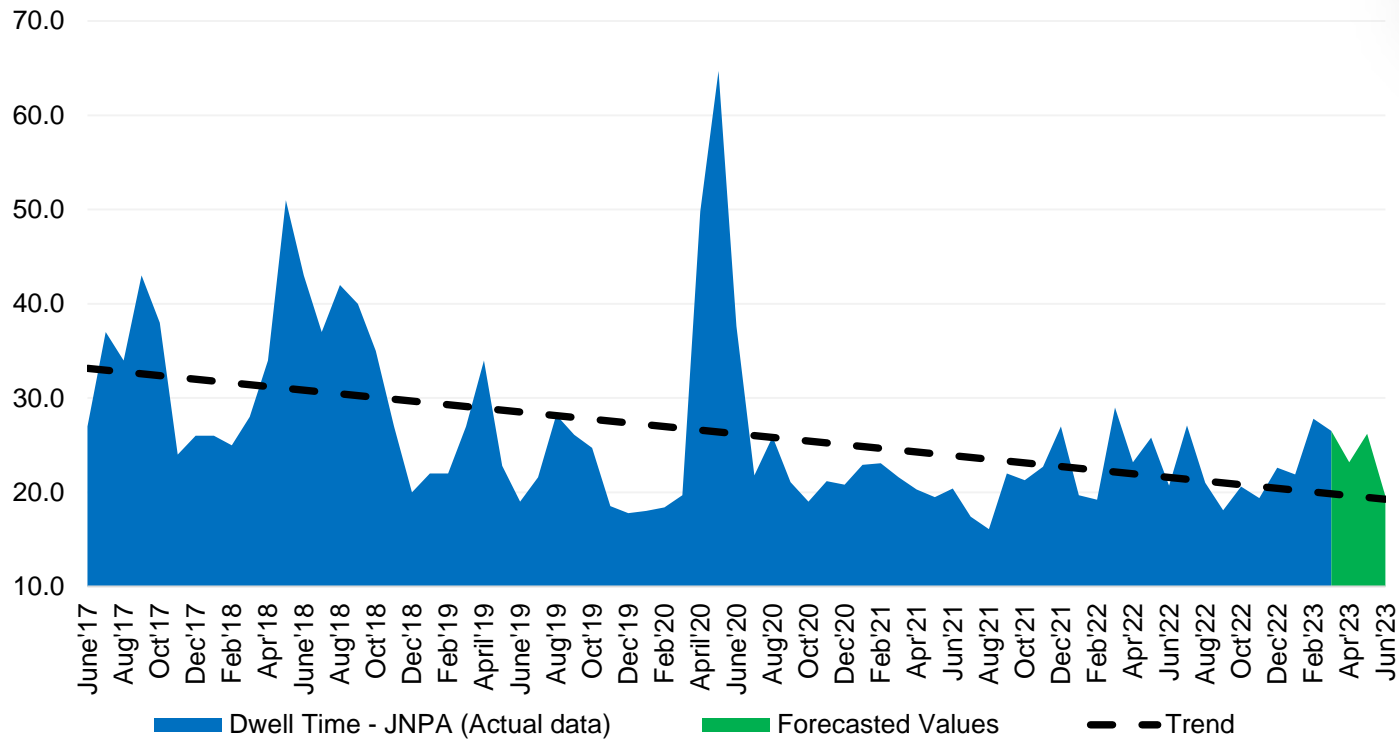
### Port - Wise





# Predictive Analysis : JNPA Port

JNPA Port – Import Cycle



## Observation

### Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data it is expected to reach a local minima in Jun'23.



Predicted  
Dwell Time (in hrs)

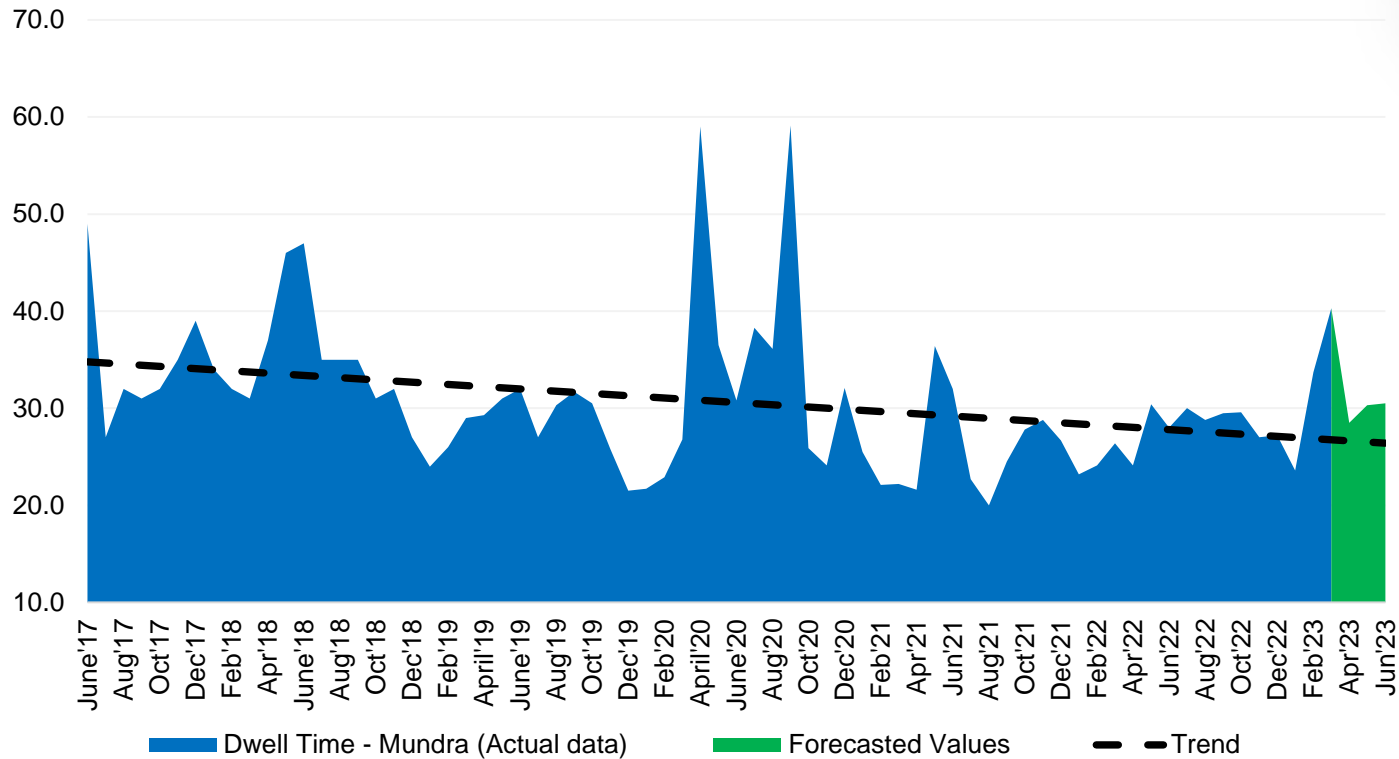
Apr'23  
23.2

May'23  
26.2

Jun'23  
19.6

# Predictive Analysis : Mundra Port

Mundra Port – Import Cycle



## Observation

### Import Cycle

- It has been observed that the overall trend of dwell time is decreasing.
- Due to the cyclic variations in the monthly data it is expected to reach a local maxima in Jun'23.



Predicted  
Dwell Time (in hrs)

Apr'23

28.5

May'23

30.3

Jun'23

30.5

Section

01



NLDS  
NICDC LOGISTICS DATA SERVICES LTD  
*Logistics Redefined*

04

# CRITICAL INCIDENT SUMMARY







## Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 5.6% & Export Cycle has deteriorated by 6.4%.
- The container handling performance at CFS has deteriorated by 1.5%. Also, ICD performance has deteriorated by 6.2%.

| Month  | Import cycle – Dwell Time | Export cycle – Dwell Time | CFS Dwell Time | ICD Dwell Time |
|--------|---------------------------|---------------------------|----------------|----------------|
| Mar'23 | 32.0 hrs                  | 86.9 hrs                  | 83.0 hrs       | 119.4 hrs      |
| Feb'23 | 30.3 hrs                  | 81.7 hrs                  | 81.8 hrs       | 112.4 hrs      |

## Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has improved by 17.8% & in Export Cycle has improved by 6.5%.
- The container handling performance at CFS has improved by 5.3%.

| Month  | Import cycle – Dwell Time | Export cycle – Dwell Time | CFS Dwell Time |
|--------|---------------------------|---------------------------|----------------|
| Mar'23 | 34.6 hrs                  | 77.4 hrs                  | 97.7 hrs       |
| Feb'23 | 42.1 hrs                  | 82.8 hrs                  | 103.2 hrs      |

## Eastern Corridor

- The Overall container handling performance in Eastern Corridor for Import Cycle has improved by 8.1% and Export Cycle has improved by 4.4%.
- The container handling performance at CFS has improved by 3.6%.

| Month  | Import Cycle – Dwell Time | Export Cycle – Dwell Time | CFS Dwell Time |
|--------|---------------------------|---------------------------|----------------|
| Mar'23 | 43.2 hrs                  | 95.6 hrs                  | 123.1 hrs      |
| Feb'23 | 47.0 hrs                  | 100.0 hrs                 | 127.7 hrs      |



Section

01

05

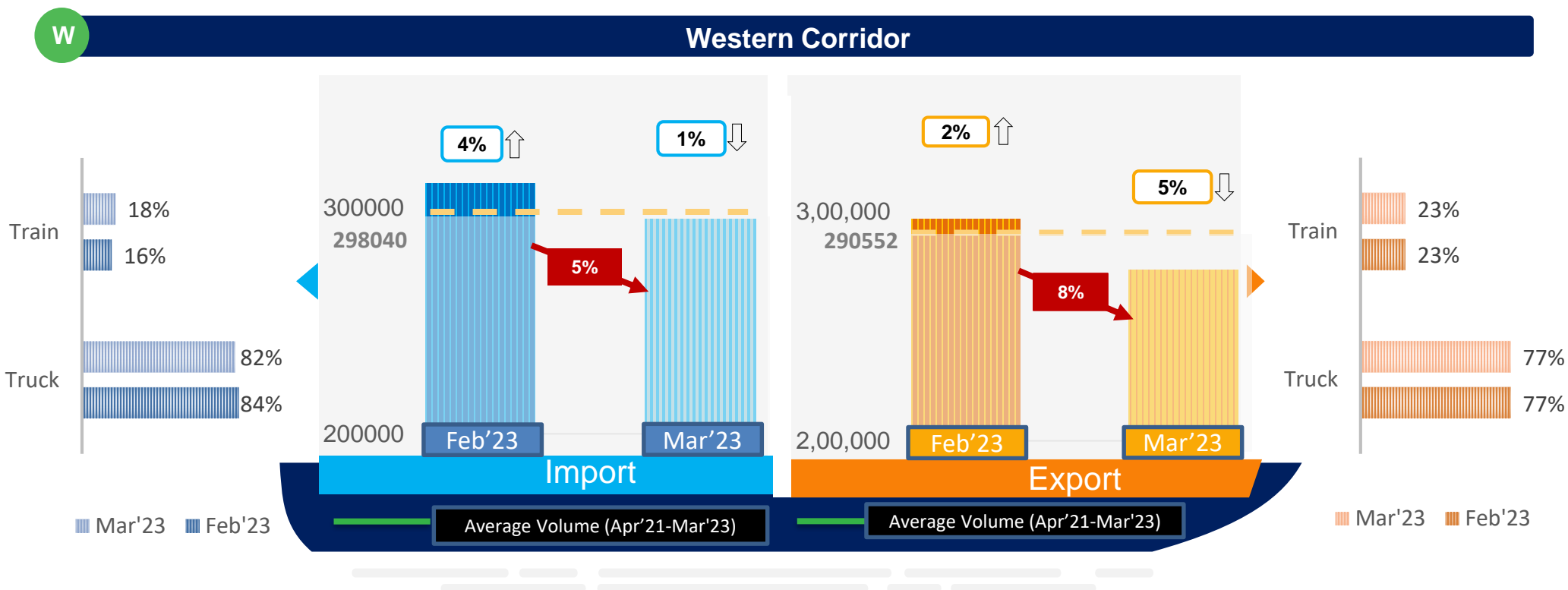
## REGION-WISE VOLUME ANALYSIS

- WESTERN CORRIDOR
- SOUTHERN CORRIDOR
- EASTERN CORRIDOR



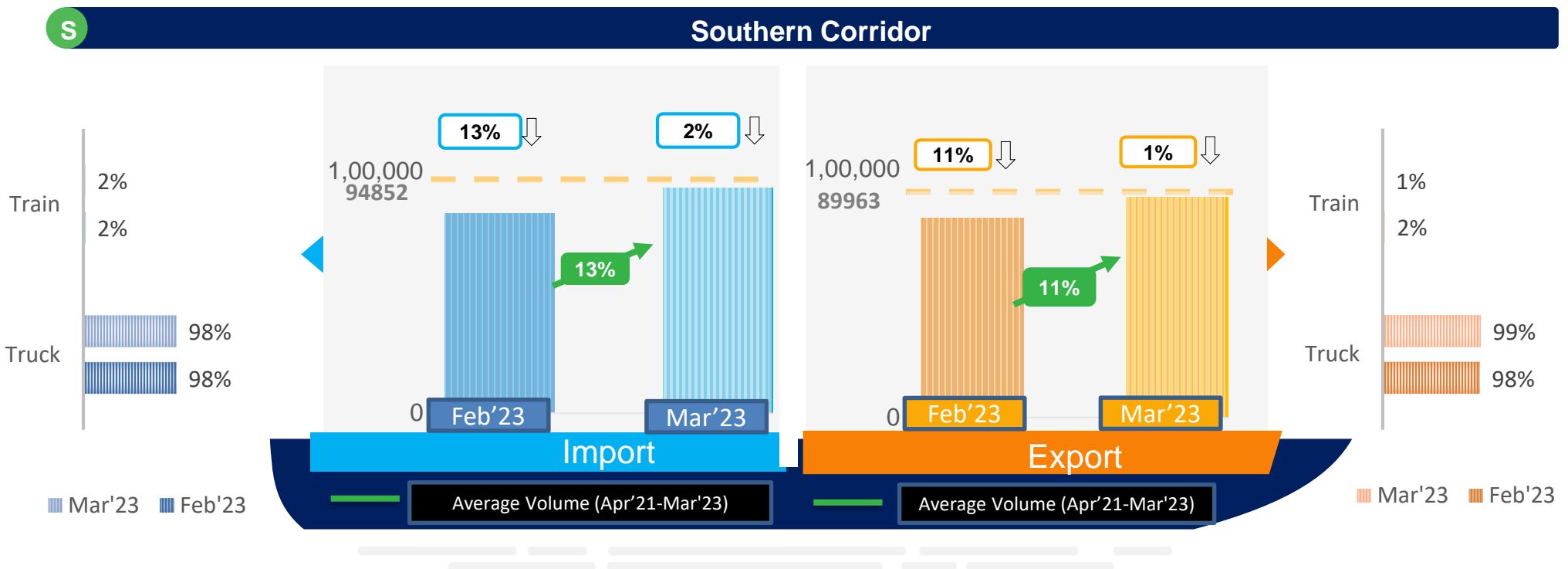
# Volume Analysis – Western Corridor

Below graphs depicts the change in volume percentage during the month of March'23 w.r.t the last month i.e., February'23 and the average EXIM corridor wise volume.



# Volume Analysis – Southern Corridor

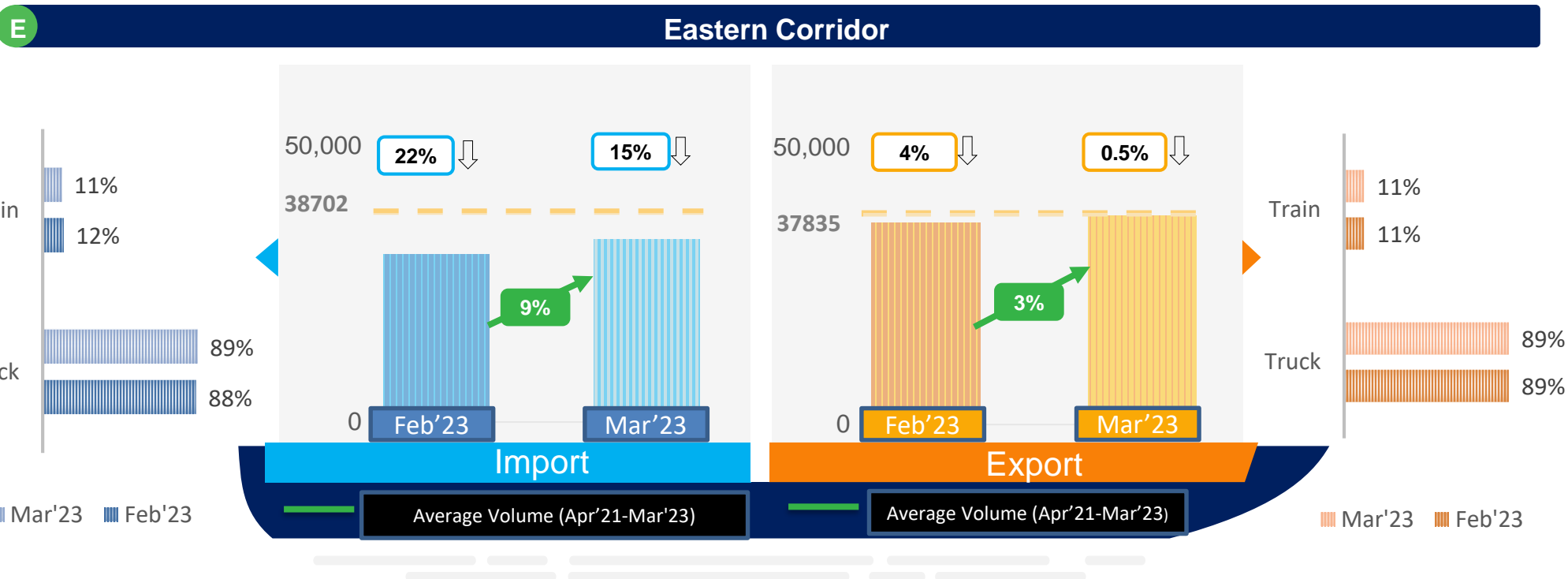
Below graphs depicts the change in volume percentage during the month of March'23 w.r.t the last month i.e., February'23 and the average EXIM corridor wise volume.





# Volume Analysis – Eastern Corridor

Below graphs depicts the change in volume percentage during the month of March'23 w.r.t the last month i.e., February'23 and the average EXIM corridor wise volume.



Section

01

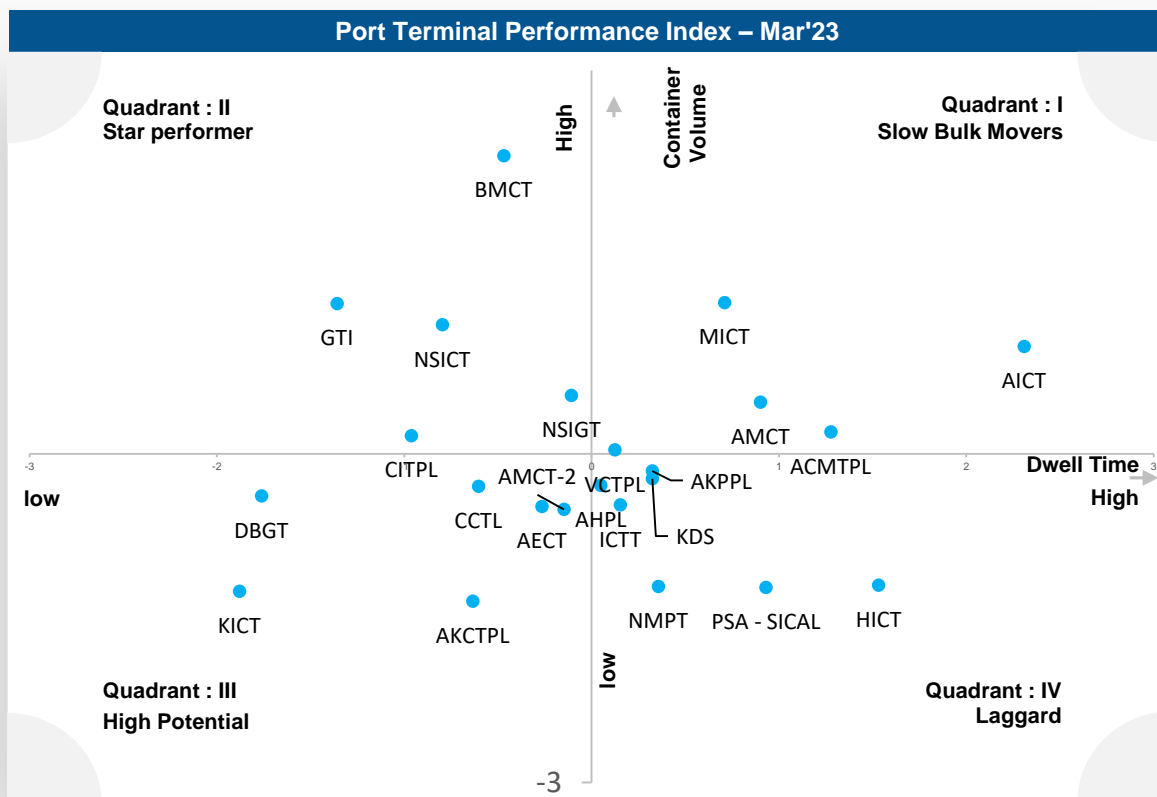
06

# PAN INDIA-PORT PERFORMANCE BENCHMARKING & PERFORMANCE INDEX



## Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Pan India



Performance benchmarking for Port Terminals covered under LDB project for Mar'23

| Top Performing Terminal                        |          |
|--|----------|
| Bharat Mumbai Container Terminals (PSA)        |          |
| Feb'23   | Mar'23   |
| 47.0 hrs                                       | 52.6 hrs |
| ↓  |          |
| Low Performing Terminal                        |          |
| Haldia International Container Terminal (HICT) |          |
| Feb'23   | Mar'23   |
| 101.3 hrs                                      | 84.4 hrs |
| ↑  |          |

Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

| Performance Index - Summary  |   |
|--|---|
| In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume |   |
| <b>Star Performer</b><br>Consist of entities which have catered relatively high container volume in lower dwell time   | <b>Slow Bulk Movers</b><br>Consist of entities which have catered higher container volume in higher dwell time  |
| <b>High Potential</b><br>Consist of entities which have catered relatively lower container volume in lower dwell time  | <b>Laggard</b><br>Consist of entities which have catered relatively lower container volume at higher dwell time |

Section

01

07

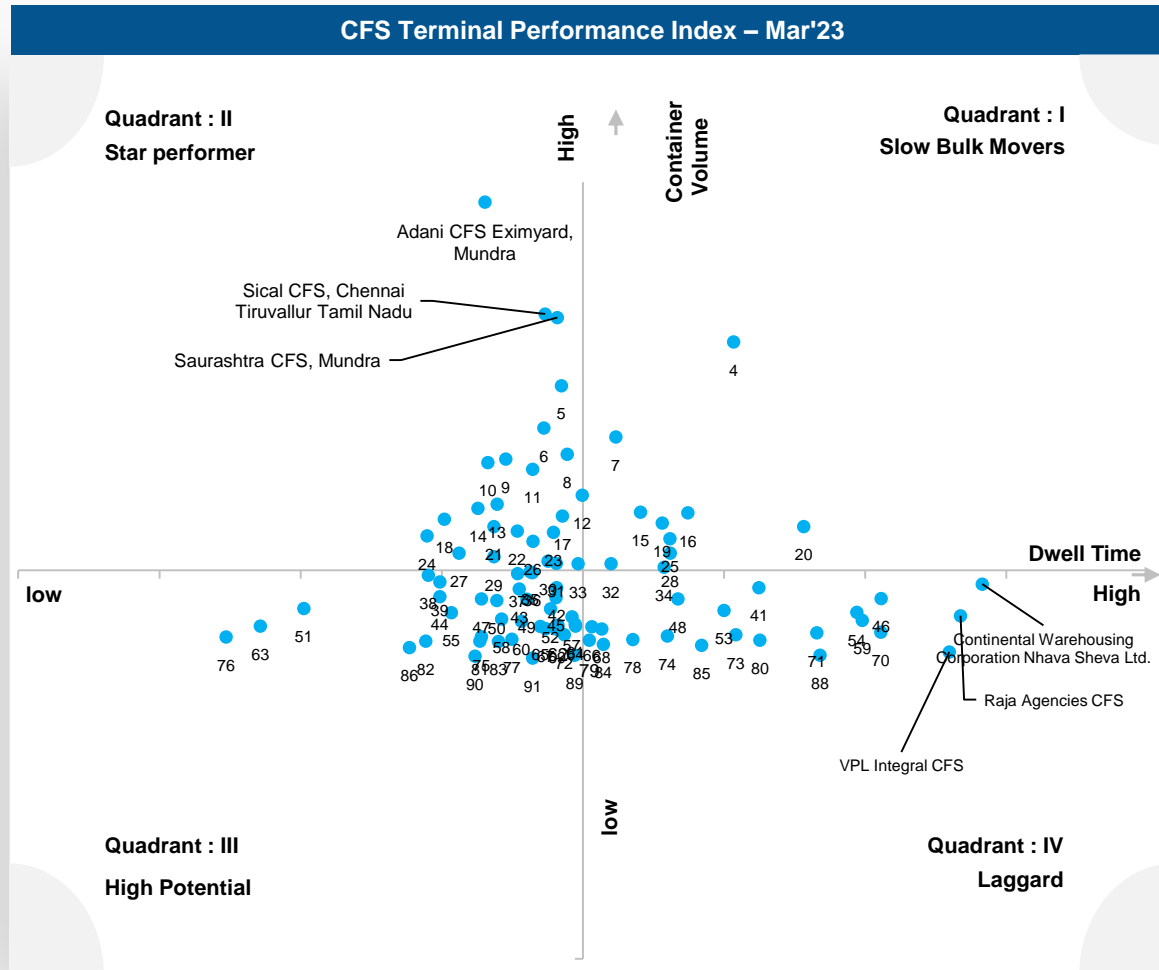
# PAN INDIA-CFS PERFORMANCE BENCHMARKING & PERFORMANCE INDEX



# Pan India - CFS Performance Benchmarking & Performance Index

## Performance Benchmarking - CFSs

The benchmarking showcase the individual CFS's performance w.r.t Pan India



Performance benchmarking for CFSs covered under LDB project for Mar'23

### Top Three Performing CFSs

| CFS Name                                 | Feb'23   | Mar'23   |   |
|--|----------|----------|---|
| Adani CFS Eximyard, Mundra               | 66.1 hrs | 78.4 hrs | ↓ |
| Sical CFS, Chennai Tiruvallur Tamil Nadu | 75.8 hrs | 87.7 hrs | ↓ |
| Saurashtra CFS, Mundra                   | 88.6 hrs | 90.3 hrs | ↓ |

### Bottom Three Performing CFSs

| CFS Name   | Feb'23    | Mar'23    |   |
|--|-----------|-----------|---|
| Continental Warehousing Corporation Nhava Sheva Ltd. | 154.7 hrs | 181.2 hrs | ↓ |
| VPL Integral CFS                                     | 131.5 hrs | 174.2 hrs | ↓ |
| Raja Agencies CFS                                    | 172.4 hrs | 176.6 hrs | ↓ |

Note: The performance benchmarking is based on performance index  
 ↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

### Performance Index - Summary

In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

#### Star Performer

Consist of entities which have catered relatively high container volume in lower dwell time

#### High Potential

Consist of entities which have catered relatively lower container volume in lower dwell time

#### Slow Bulk Movers

Consist of entities which have catered higher container volume in higher dwell time

#### Laggard

Consist of entities which have catered relatively lower container volume at higher dwell time

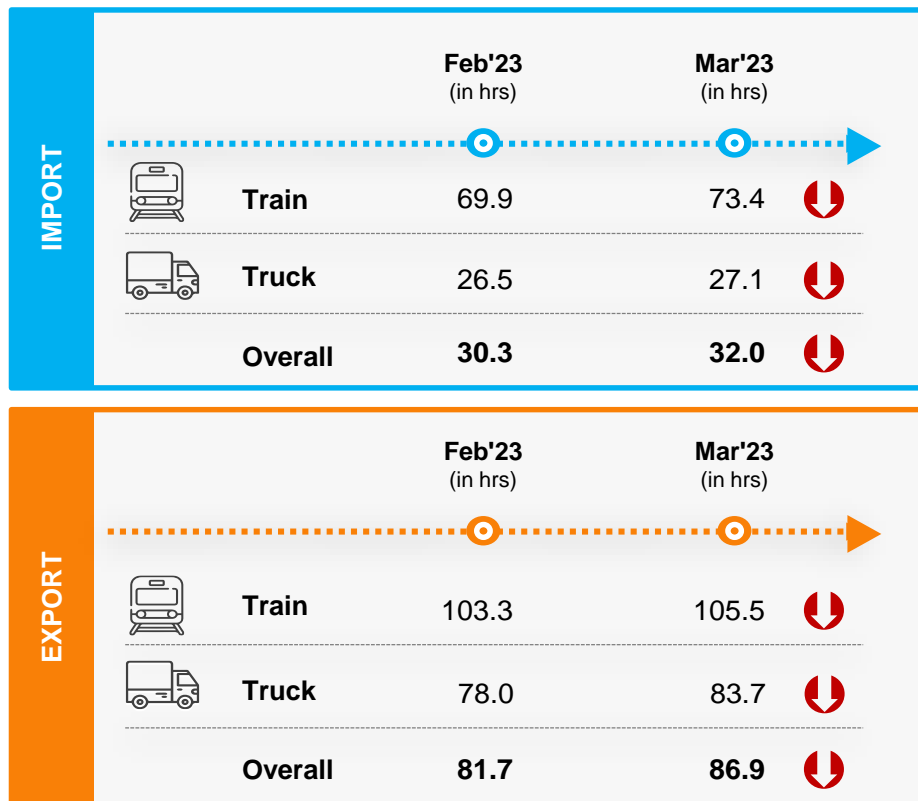


# REGION WISE SEGMENTATION, WESTERN REGION ICD PERFORMANCE AND REGION WISE CFS PERFORMANCE

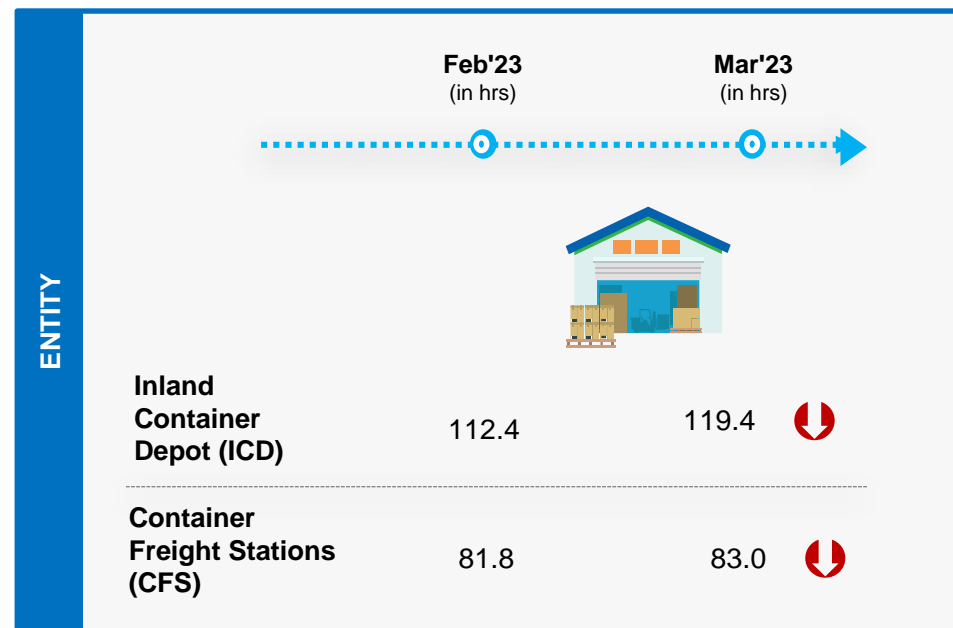
- WESTERN CORRIDOR
- SOUTHERN CORRIDOR
- EASTERN CORRIDOR



## Port Dwell Time



## Container Freight Stations(CFS)/ Inland Container depots(ICD) – Dwell Time



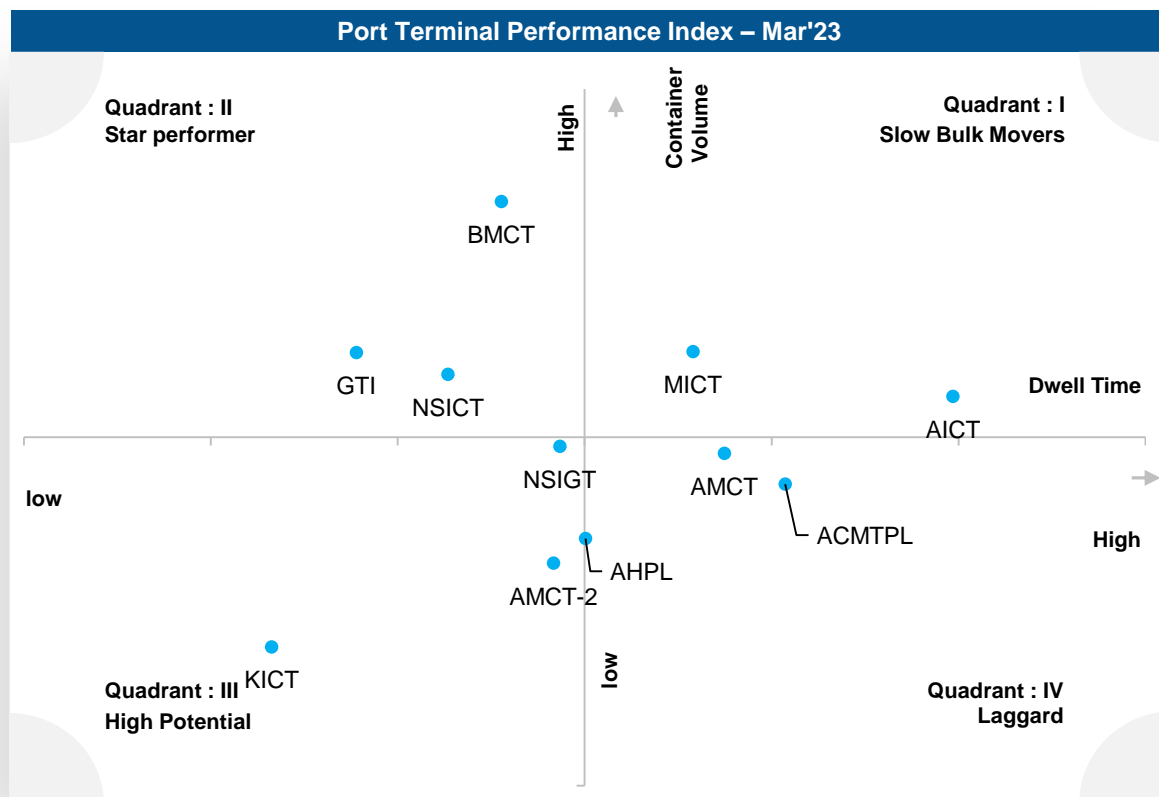
The marked entries showcase increase in performance in comparison to Feb'23



The marked entries showcase decrease in performance in comparison to Feb'23

## Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Western Region



Performance benchmarking for Port Terminals covered under LDB project for Mar'23

| Top Performing Terminal                        |          |
|--|----------|
| <b>Bharat Mumbai Container Terminals (PSA)</b> |          |
| Feb'23   | Mar'23   |
| 47.0 hrs                                       | 52.6 hrs |

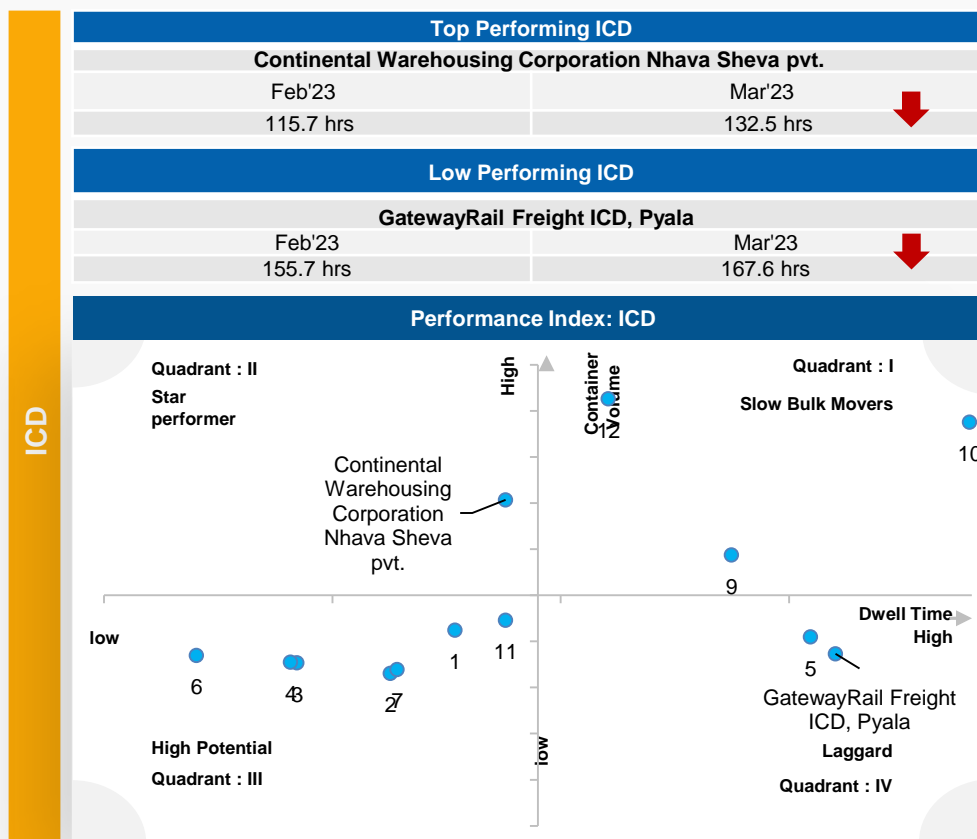
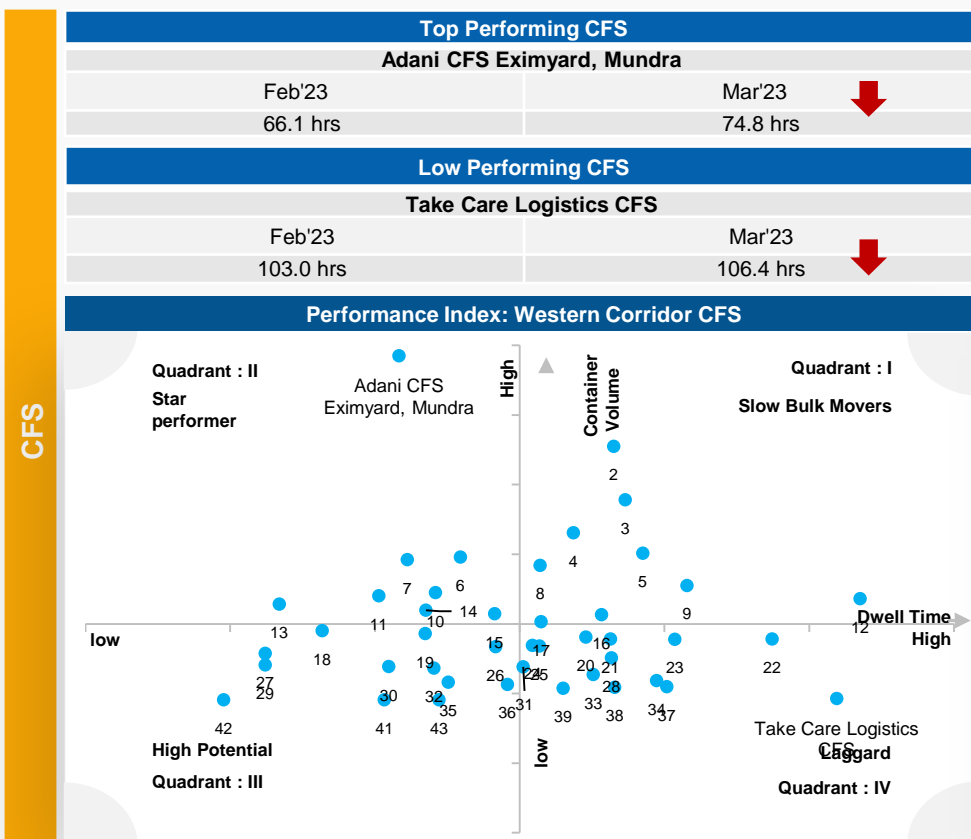
| Low Performing Terminal                   |          |
|---|----------|
| <b>Adani CMA Mundra Terminal (ACMTPL)</b> |          |
| Feb'23                                    | Mar'23   |
| 71.2 hrs                                  | 80.3 hrs |

Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

| Performance Index - Summary  |   |
|--|---|
| In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume |   |
| <b>Star Performer</b><br>Consist of entities which have catered relatively high container volume in lower dwell time   | <b>Slow Bulk Movers</b><br>Consist of entities which have catered higher container volume in higher dwell time  |
| <b>High Potential</b><br>Consist of entities which have catered relatively lower container volume in lower dwell time  | <b>Laggard</b><br>Consist of entities which have catered relatively lower container volume at higher dwell time |

## Performance Benchmarking



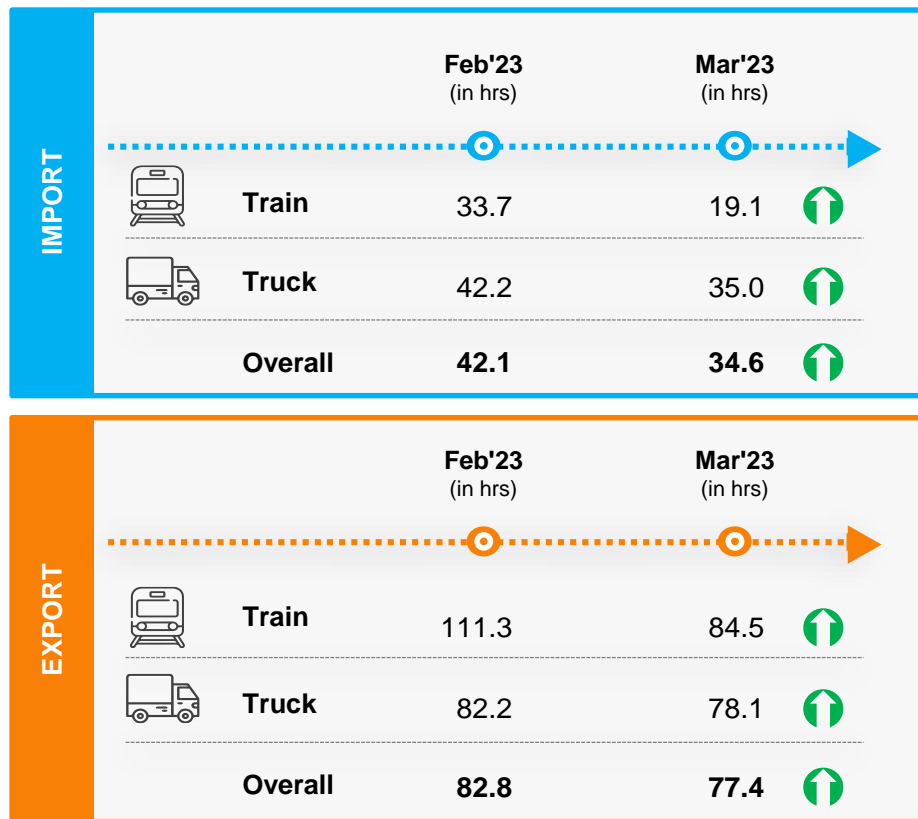
Note: The performance benchmarking is based on performance index



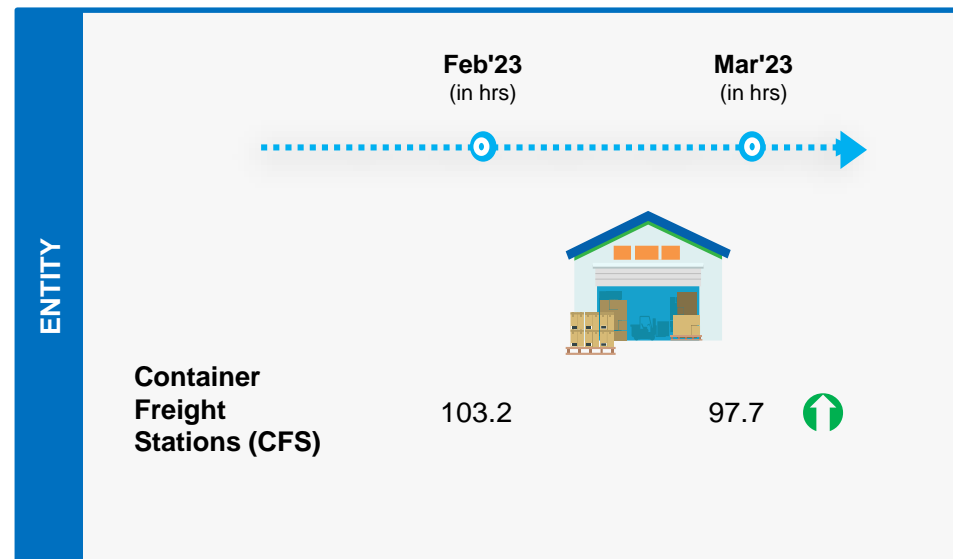
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

Kindly refer to Annexure section for the names of CFS

## Port Dwell Time



## Container Freight Stations(CFS)/ Inland Container depots(ICD) – Dwell Time



The marked entries showcase increase in performance in comparison to Feb'23

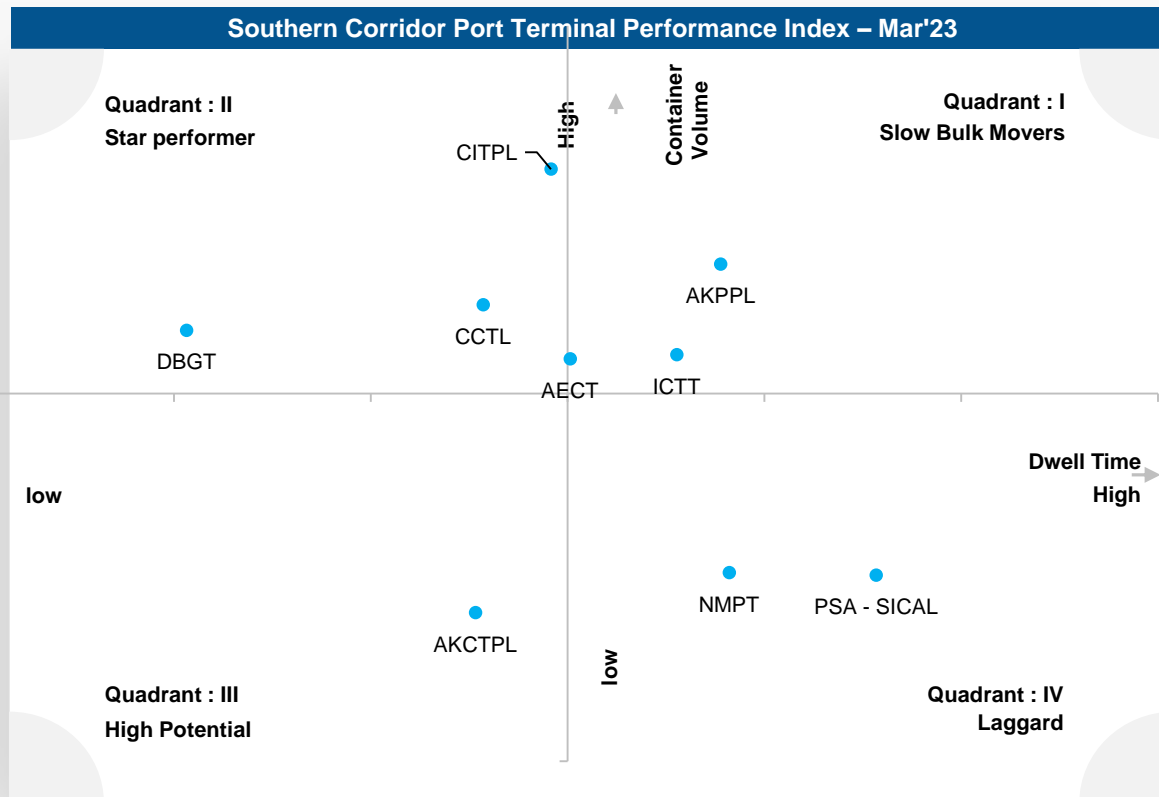


The marked entries showcase decrease in performance in comparison to Feb'23



## Performance Benchmarking – Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Southern Region



Performance benchmarking for Port Terminal covered under LDB project for Mar'23

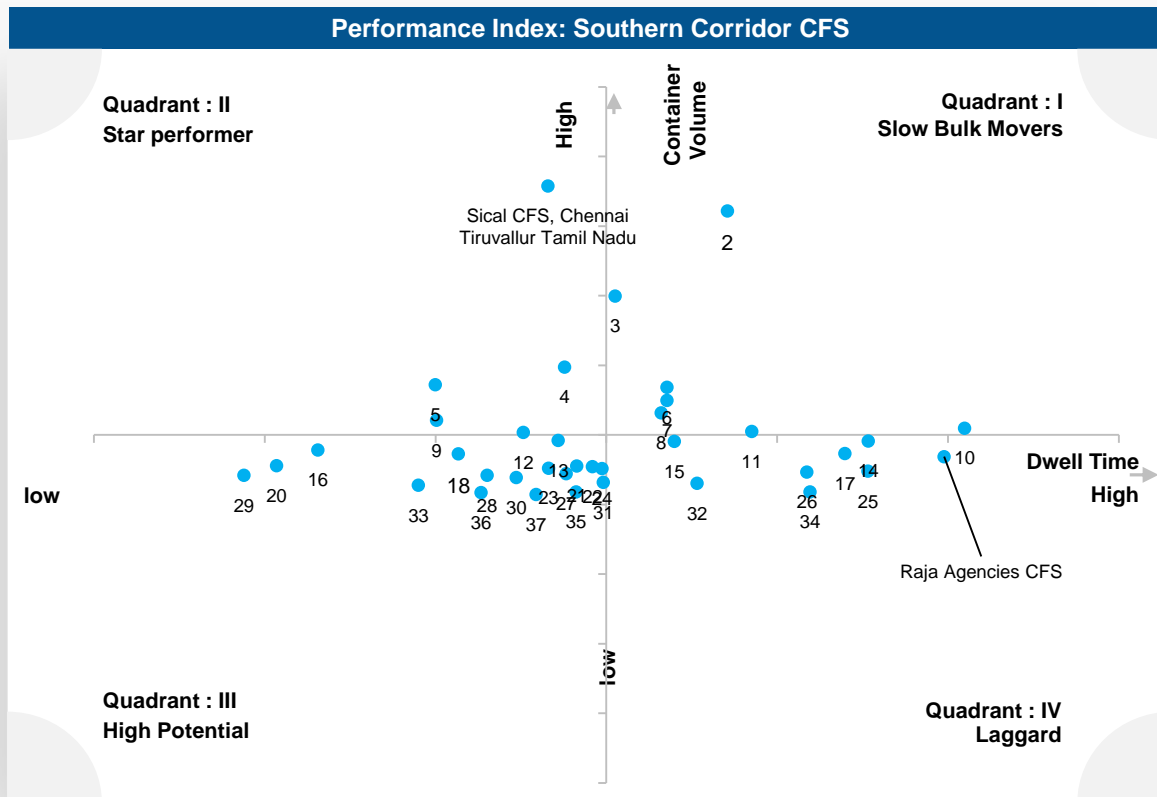
| Top Performing Terminal                         |          |
|---|----------|
| Chennai International Terminals Pvt Ltd (CITPL) |          |
| Feb'23  | Mar'23   |
| 61.1 hrs  | 44.8 hrs |
| ↑   |          |
| Low Performing Terminal                         |          |
| PSA SICAL Terminals                             |          |
| Feb'23  | Mar'23   |
| 77.9 hrs  | 74.8 hrs |
| ↑   |          |

Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

| Performance Index - Summary  |   |
|--|---|
| In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume |   |
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| <b>High Potential</b><br>Consist of entities which have catered relatively lower container volume in lower dwell time  | <b>Laggard</b><br>Consist of entities which have catered relatively lower container volume at higher dwell time |

## Performance Benchmarking - CFSs



Kindly refer to Annexure section for the names of CFS

Performance benchmarking for CFS covered under LDB project in Southern Corridor for Mar'23

| Top Performing CFS                       |           |
|--|-----------|
| Sical CFS, Chennai Tiruvallur Tamil Nadu |           |
| Feb'23                                   | Mar'23    |
| 75.8 hrs                                 | 87.7 hrs  |
|  | ↓         |
| Low Performing CFS                       |           |
| Raja Agencies CFS                        |           |
| Feb'23                                   | Mar'23    |
| 172.4 hrs                                | 176.6 hrs |
|  | ↓         |

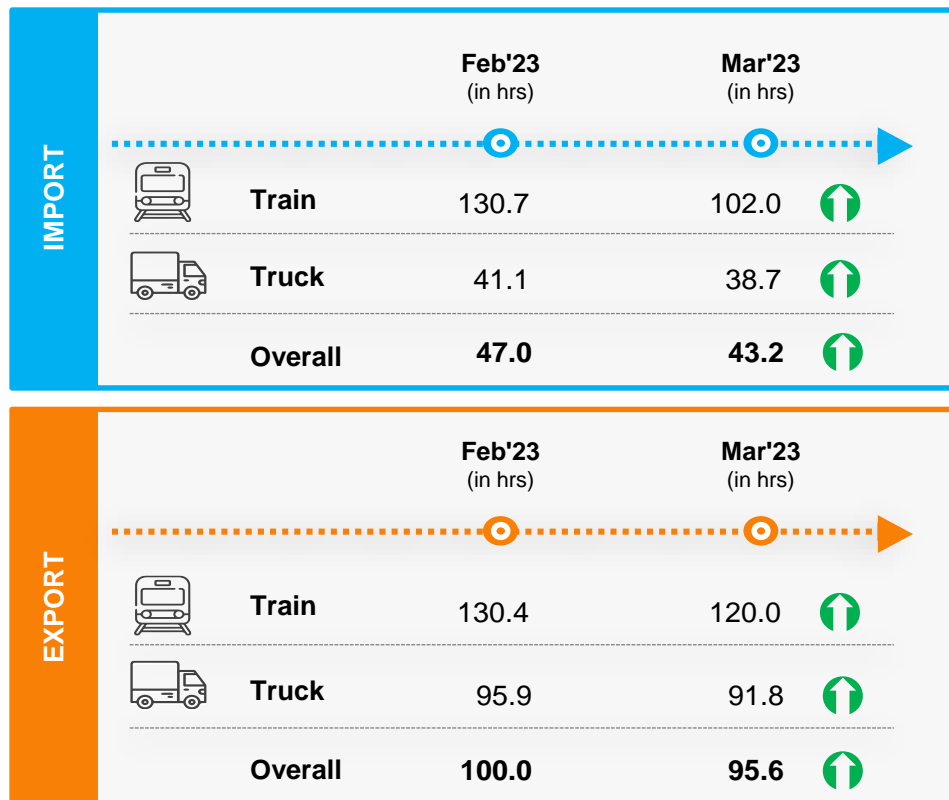
Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

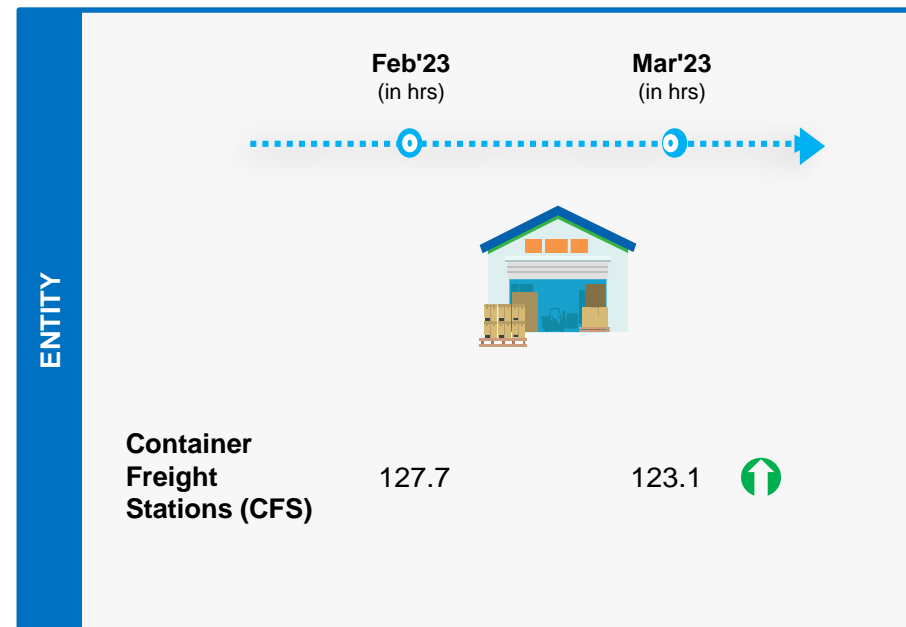
| Performance Index - Summary  |   |
|--|---|
| In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume |   |
| <b>Star Performer</b><br>Consist of entities which have catered relatively high container volume in lower dwell time   | <b>Slow Bulk Movers</b><br>Consist of entities which have catered higher container volume in higher dwell time  |
| <b>High Potential</b><br>Consist of entities which have catered relatively lower container volume in lower dwell time  | <b>Laggard</b><br>Consist of entities which have catered relatively lower container volume at higher dwell time |

# Container Transportation Performance - Eastern Corridor

## Port Dwell Time



## Container Freight Stations(CFS)– Dwell Time

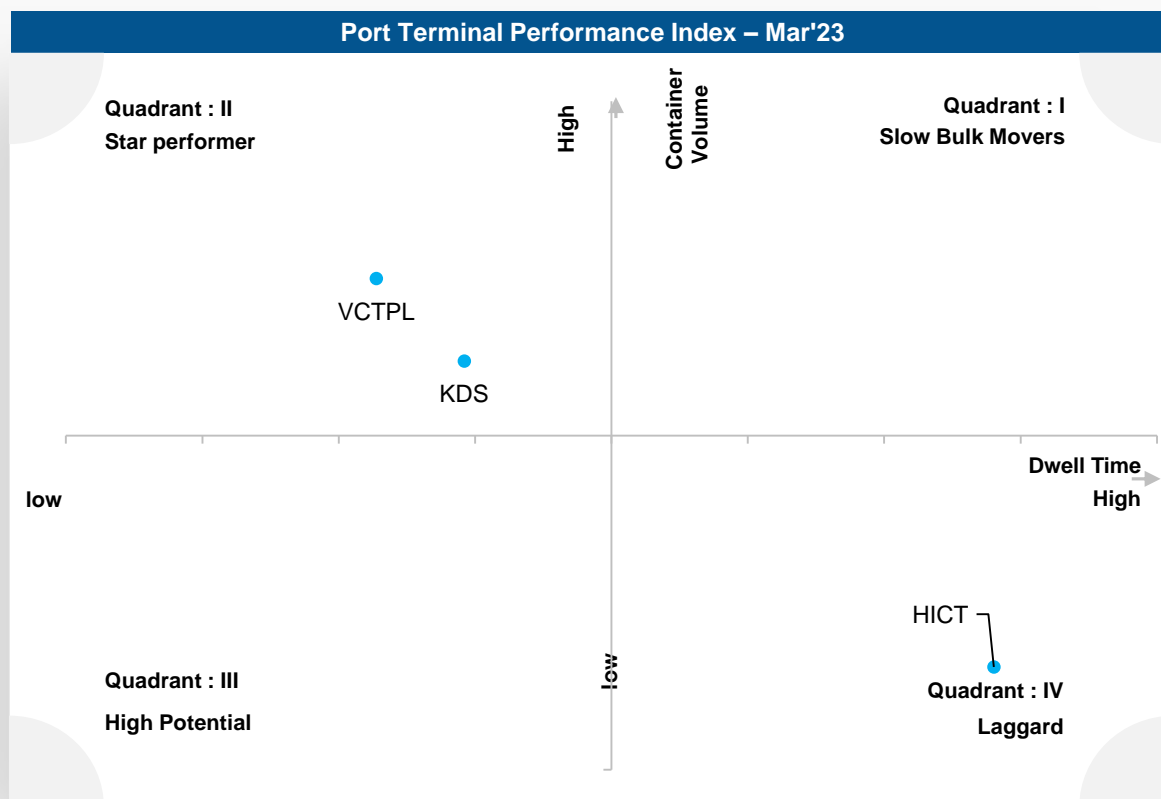


↑ The marked entries showcase increase in performance in comparison to Feb'23

↓ The marked entries showcase decrease in performance in comparison to Feb'23

## Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Eastern Region



Performance benchmarking for Port Terminal covered under LDB project in Eastern Corridor for Mar'23

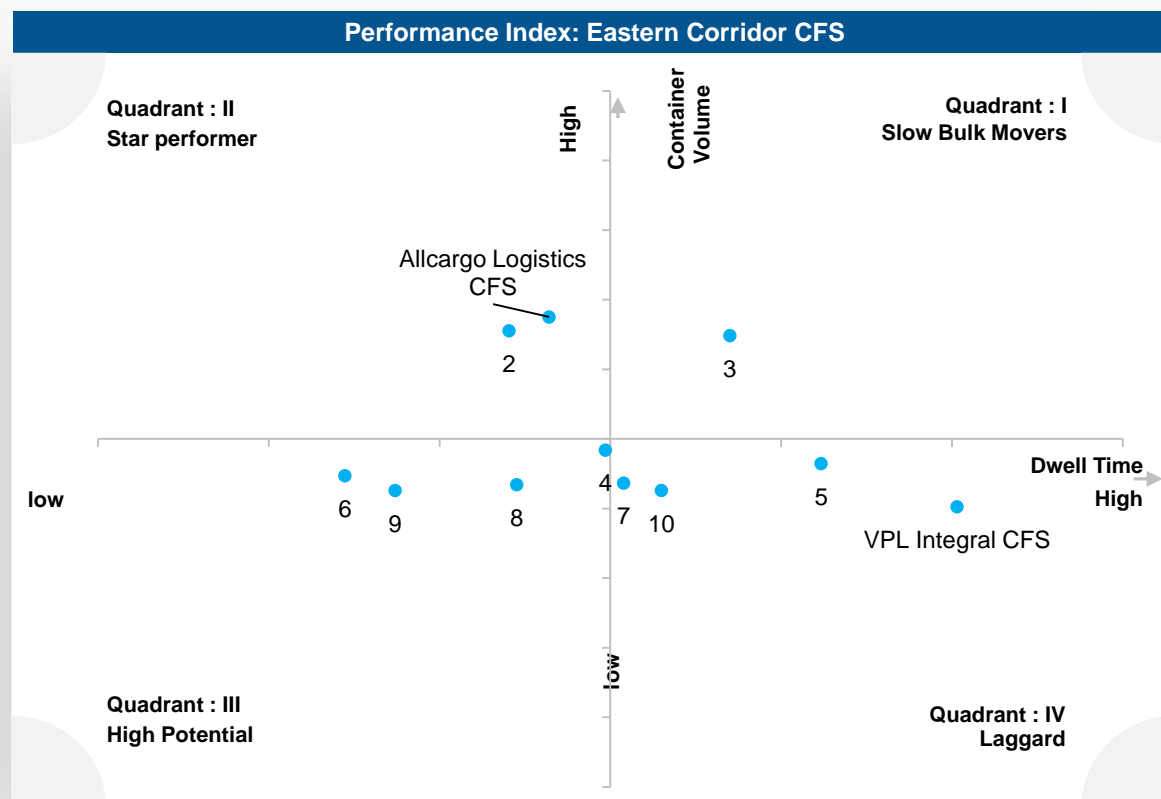
| Top Performing Terminal                        |          |   |
|--|----------|---|
| Visakha Container Terminal                     |          |   |
| Feb'23   | Mar'23   |  |
| 74.8 hrs                                       | 62.0 hrs |   |
| Low Performing Terminal                        |          |   |
| Haldia International Container Terminal (HICT) |          |   |
| Feb'23   | Mar'23   |  |
| 101.3 hrs                                      | 84.4 hrs |   |

Note: The performance benchmarking is based on performance index

↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23



| Performance Index - Summary  |   |
|--|---|
| In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume |   |
| <b>Star Performer</b><br>Consist of entities which have catered relatively high container volume in lower dwell time   | <b>Slow Bulk Movers</b><br>Consist of entities which have catered higher container volume in higher dwell time  |
| <b>High Potential</b><br>Consist of entities which have catered relatively lower container volume in lower dwell time  | <b>Laggard</b><br>Consist of entities which have catered relatively lower container volume at higher dwell time |

## Performance Benchmarking - CFSs





Kindly refer to Annexure section for the names of CFS

Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Mar'23

| Top Performing CFS     |   |
|------------------------|---|
| Allcargo Logistics CFS |   |
| Feb'23                 | Mar'23  |
| 163.0 hrs              | 118.3 hrs  |
| Low Performing CFS     |   |
| VPL Integral CFS       |   |
| Feb'23                 | Mar'23  |
| 131.5 hrs              | 174.2 hrs  |

Note: The performance benchmarking is based on performance index

  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'23

| Performance Index - Summary  |   |
|--|---|
| In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume |   |
| <b>Star Performer</b><br>Consist of entities which have catered relatively high container volume in lower dwell time   | <b>Slow Bulk Movers</b><br>Consist of entities which have catered higher container volume in higher dwell time  |
| <b>High Potential</b><br>Consist of entities which have catered relatively lower container volume in lower dwell time  | <b>Laggard</b><br>Consist of entities which have catered relatively lower container volume at higher dwell time |



Section

02

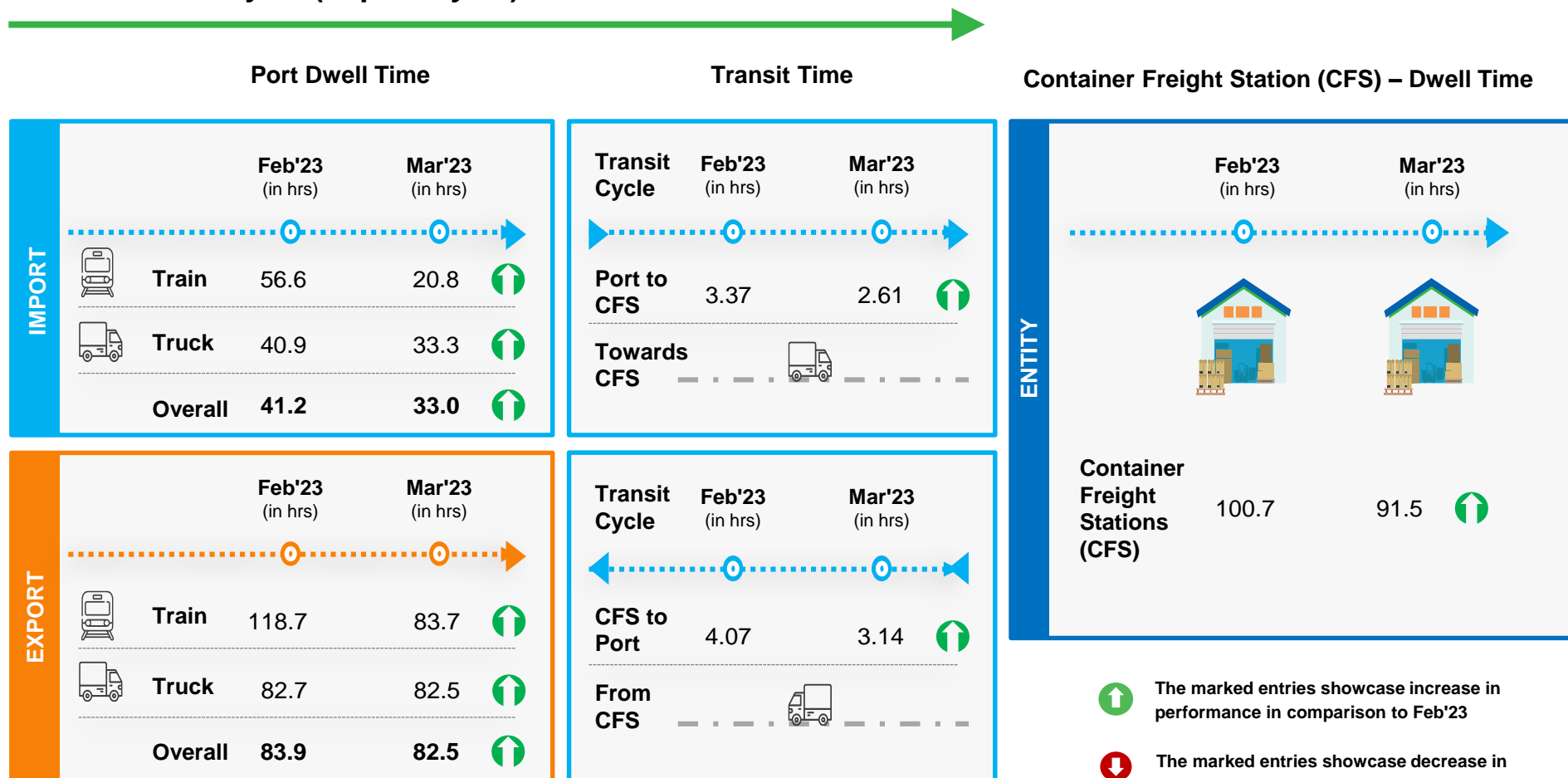
01

# INDIVIDUAL TERMINAL PERFORMANCE IN SOUTHERN CORRIDOR



# Chennai Port Terminal: Container Transportation

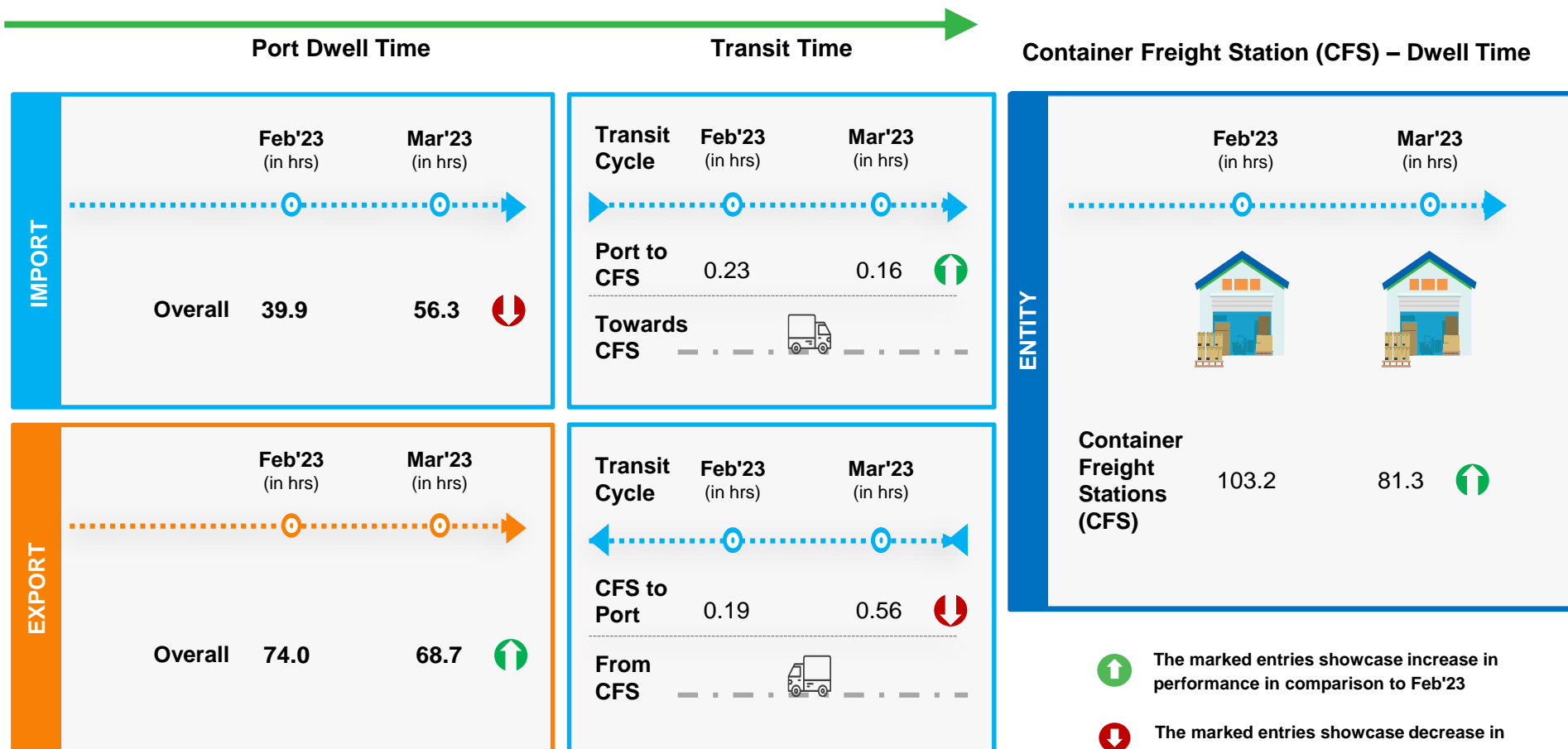
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Kochi Port Terminal: Container Transportation

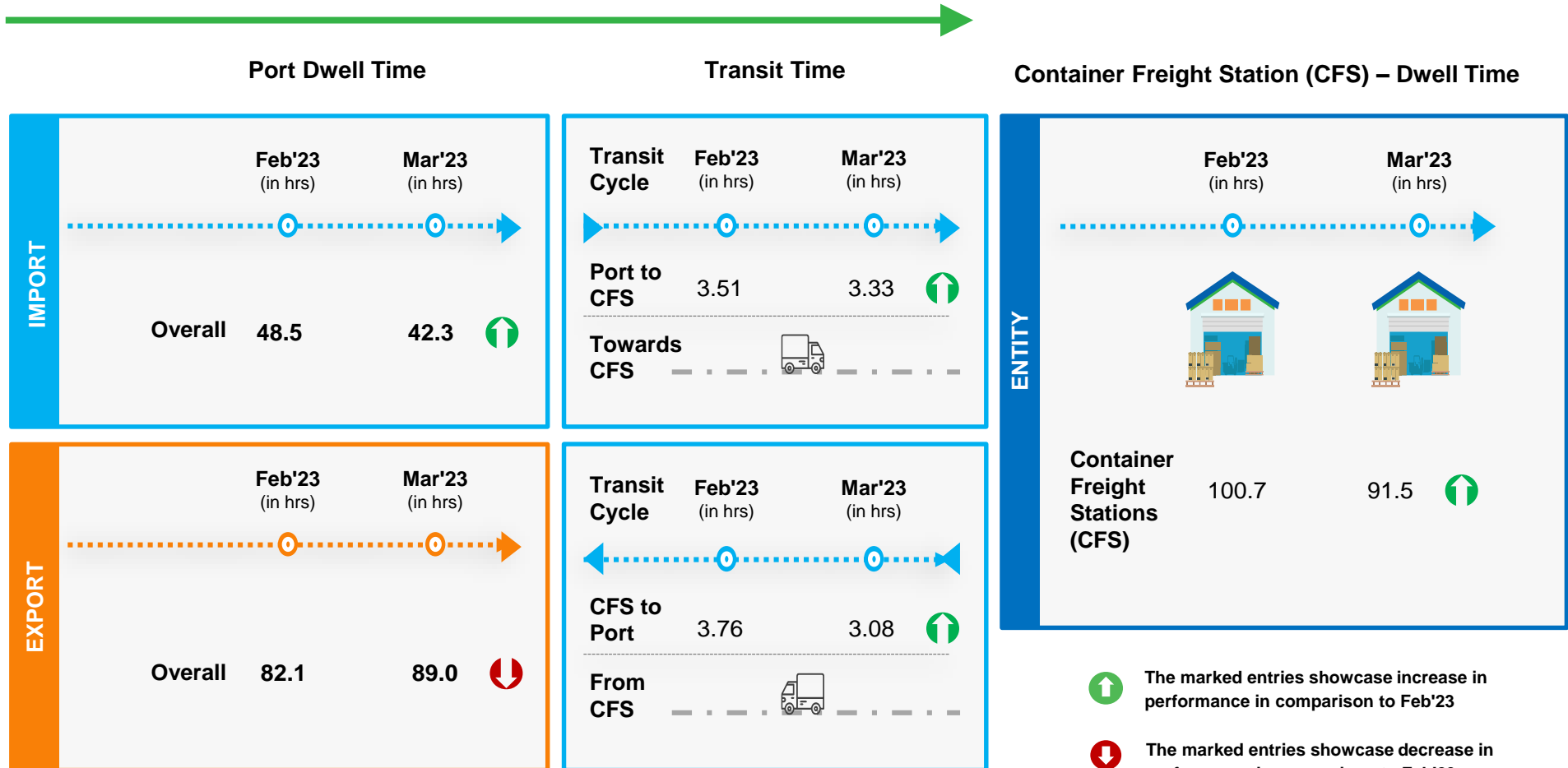
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Kattupalli Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

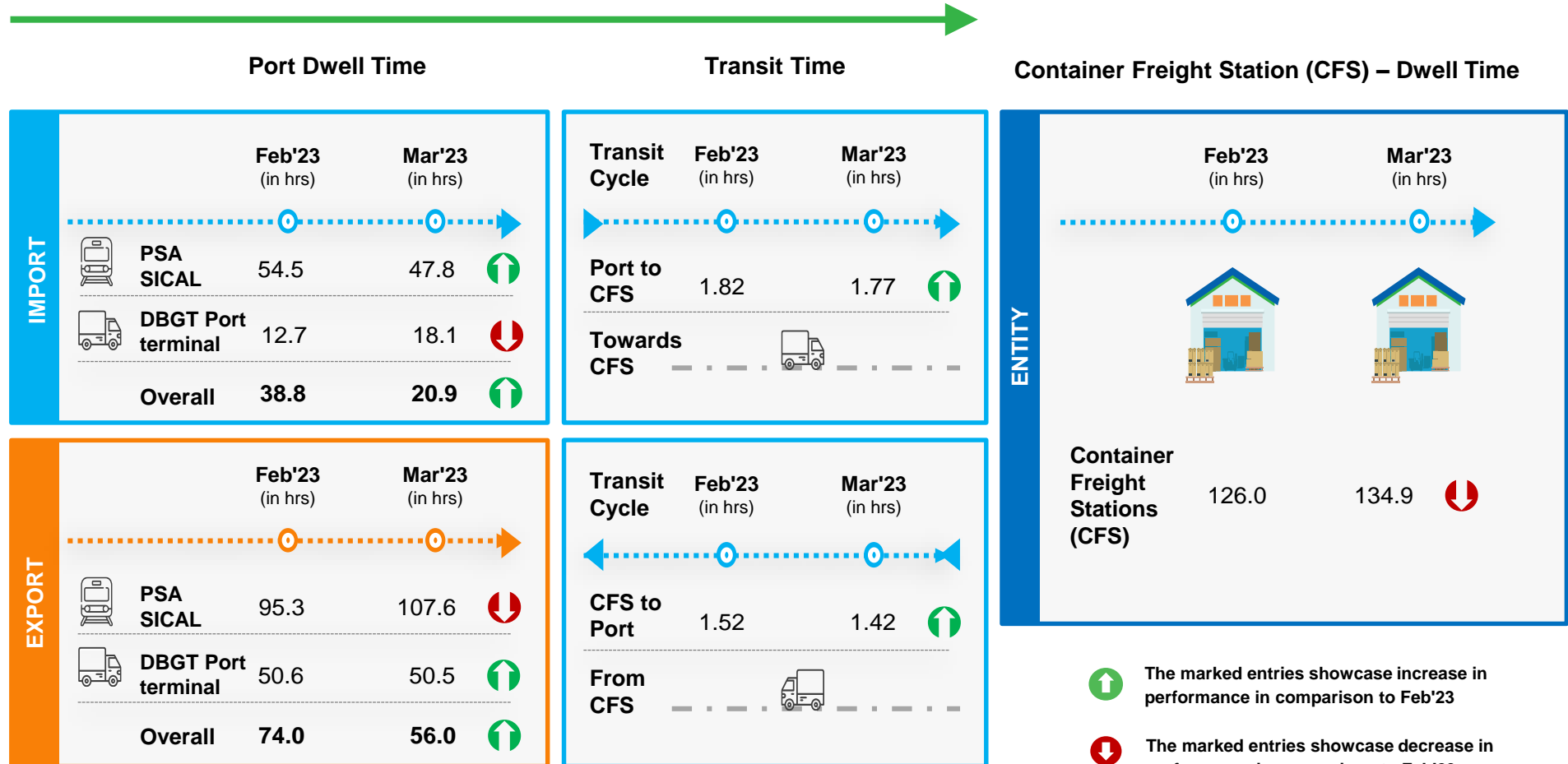


## Container Lifecycle (Export Cycle)

- ↑ The marked entries showcase increase in performance in comparison to Feb'23
- ↓ The marked entries showcase decrease in performance in comparison to Feb'23

# Tuticorin Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



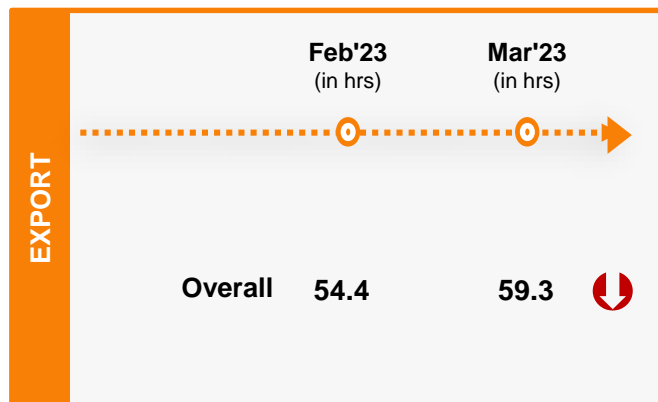
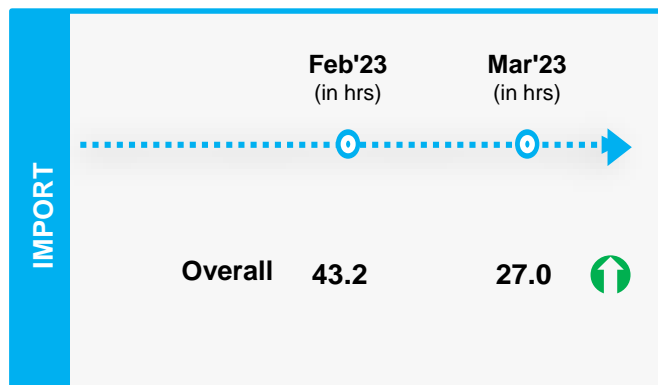
## Container Lifecycle (Export Cycle)

# Krishnapatnam Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



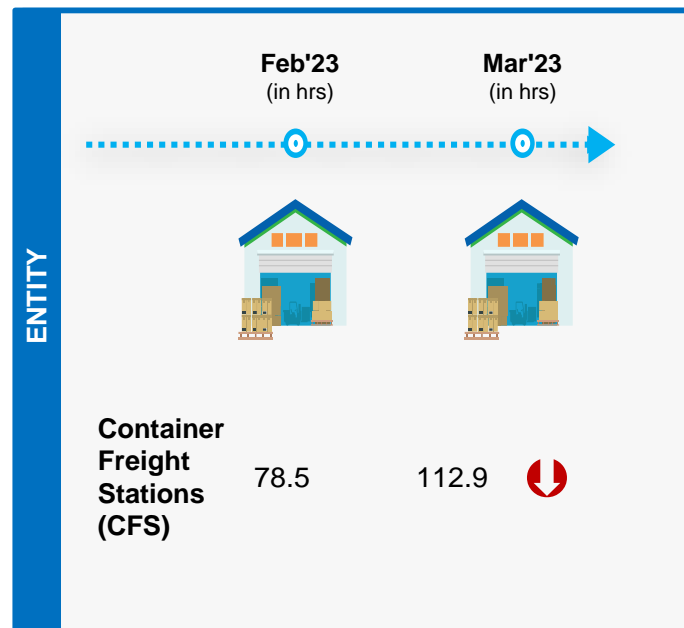
### Port Dwell Time



## Container Lifecycle (Export Cycle)



### Container Freight Station (CFS) – Dwell Time



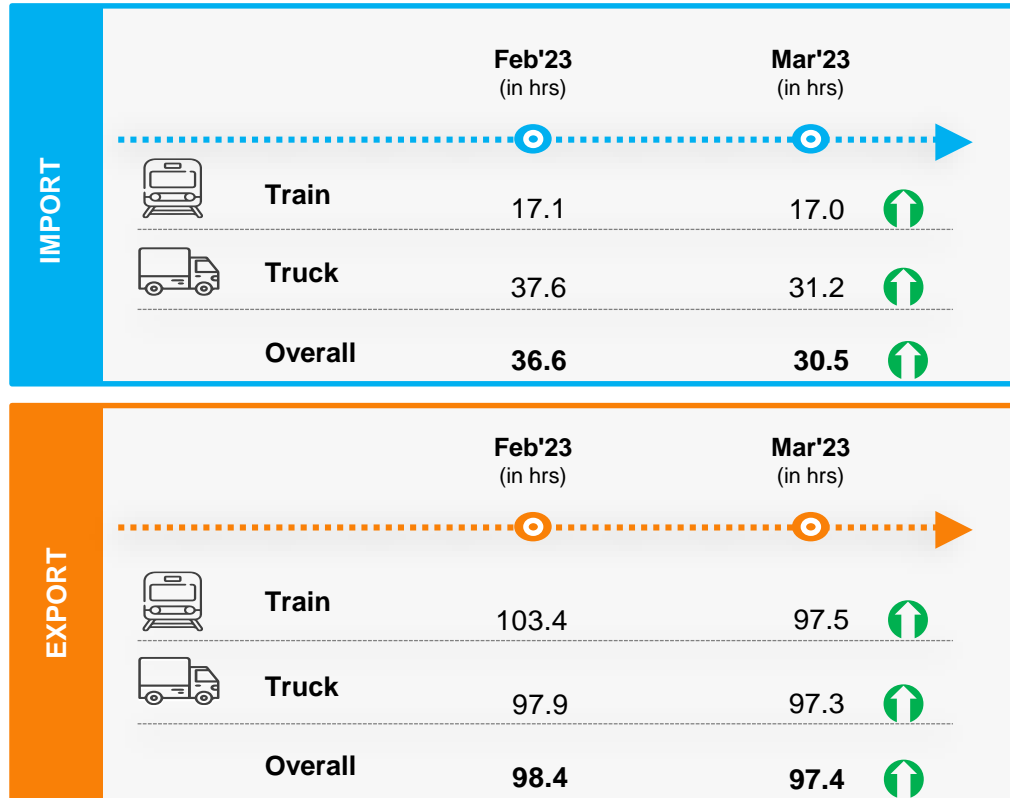
The marked entries showcase increase in performance in comparison to Feb'23



The marked entries showcase decrease in performance in comparison to Feb'23

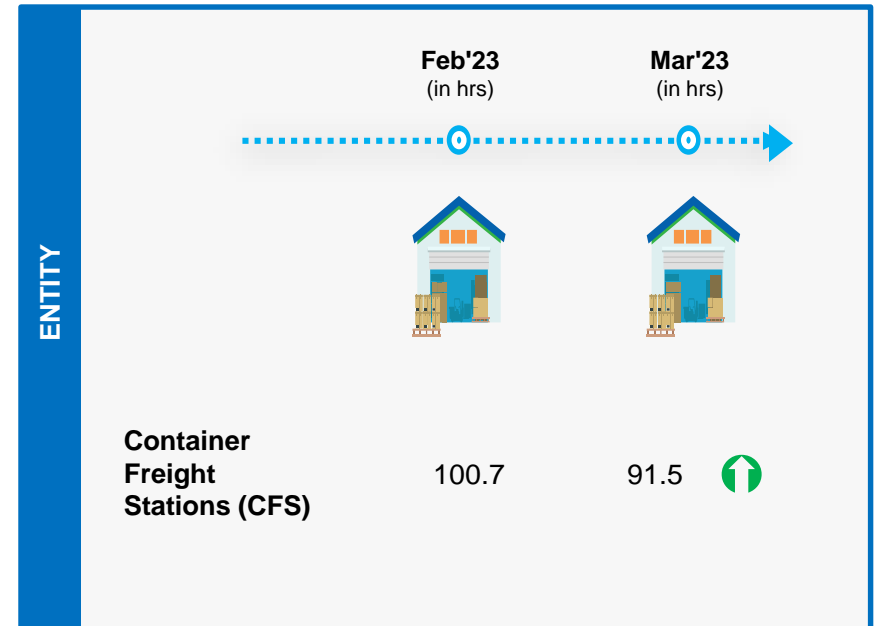
## Container Lifecycle (Import Cycle)

Port Dwell Time



## Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)– Dwell Time



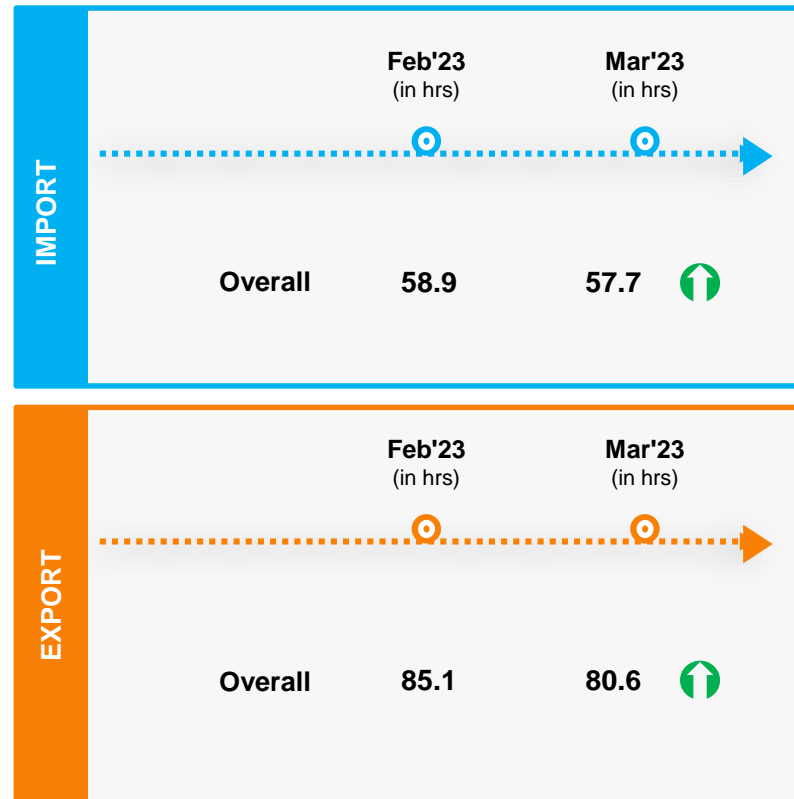
The marked entries showcase increase in performance in comparison to Feb'23



The marked entries showcase decrease in performance in comparison to Feb'23



## Port Dwell Time



The marked entries showcase increase in performance in comparison to Feb'23



The marked entries showcase decrease in performance in comparison to Feb'23

Section

02

02

# INDIVIDUAL TERMINAL PERFORMANCE IN EASTERN CORRIDOR



# TRACK YOUR TRANSPORT

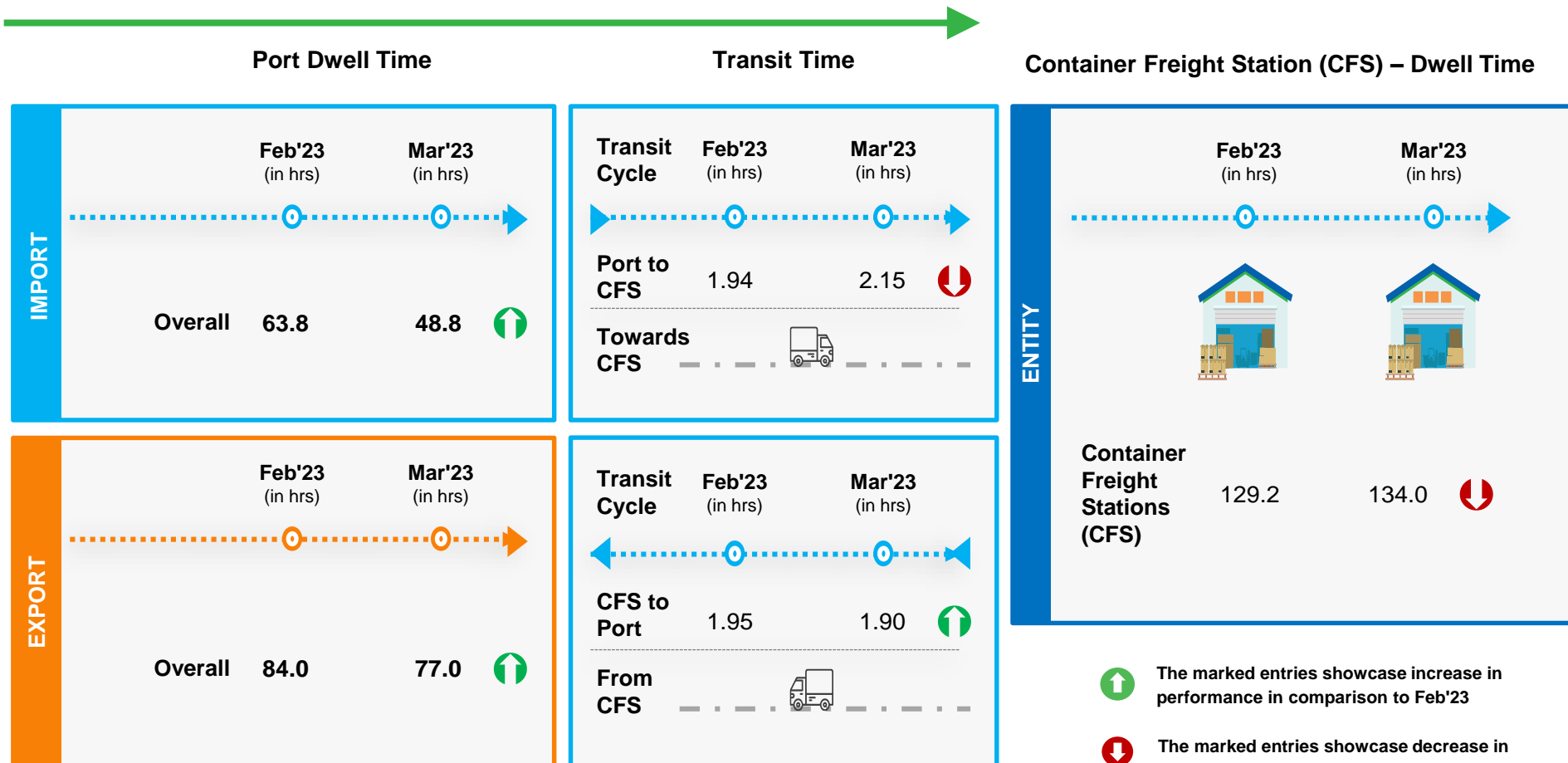
ONE STOP INTERACTIVE PLATFORM  
FOR TRANSPORTATION MANAGEMENT

[www.trackyourtransport.in](http://www.trackyourtransport.in) 



# Vishakhapatnam Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)

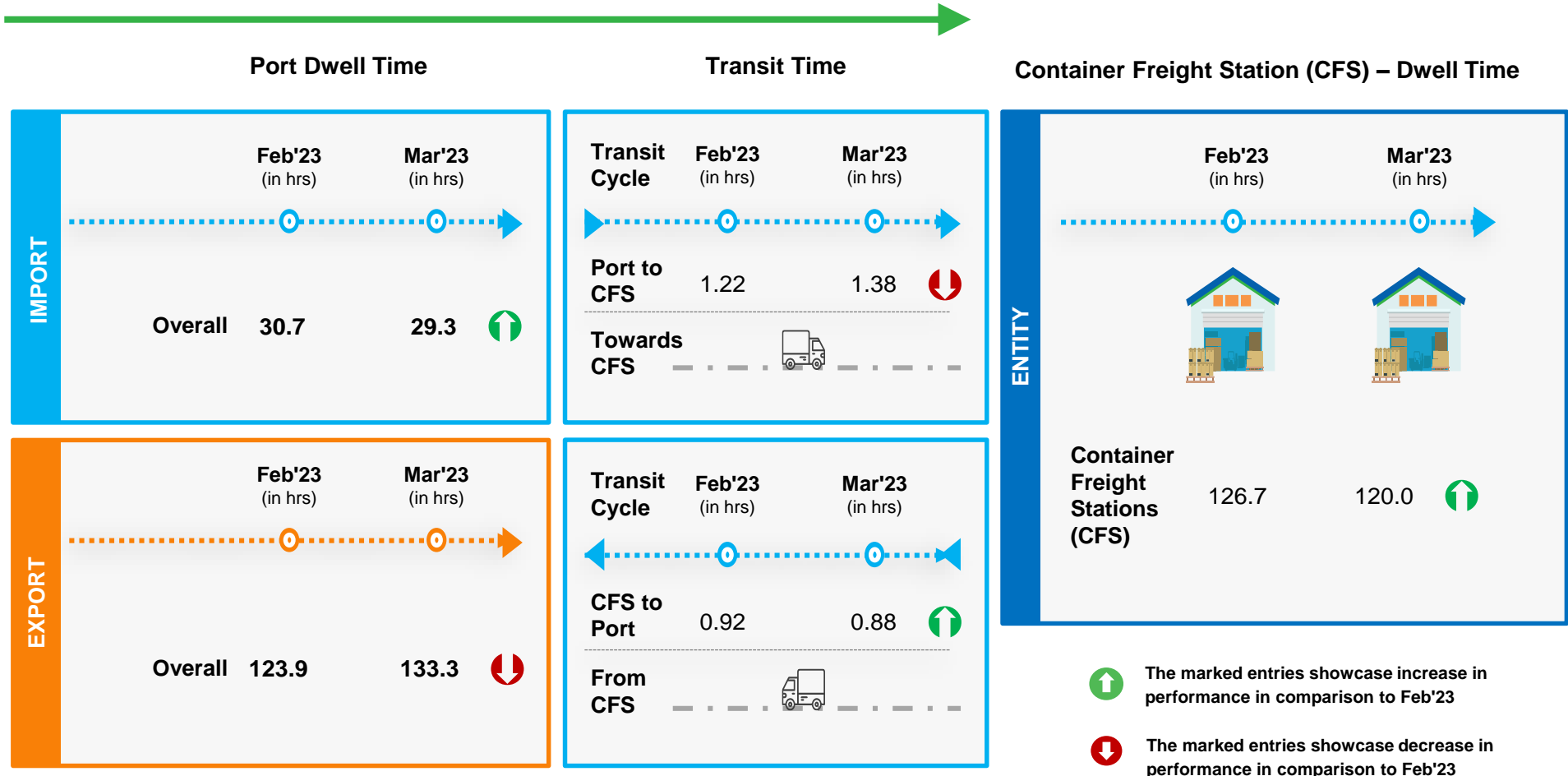


## Container Lifecycle (Export Cycle)

- The marked entries showcase increase in performance in comparison to Feb'23
- The marked entries showcase decrease in performance in comparison to Feb'23

# Kolkata Port Terminal: Container Transportation

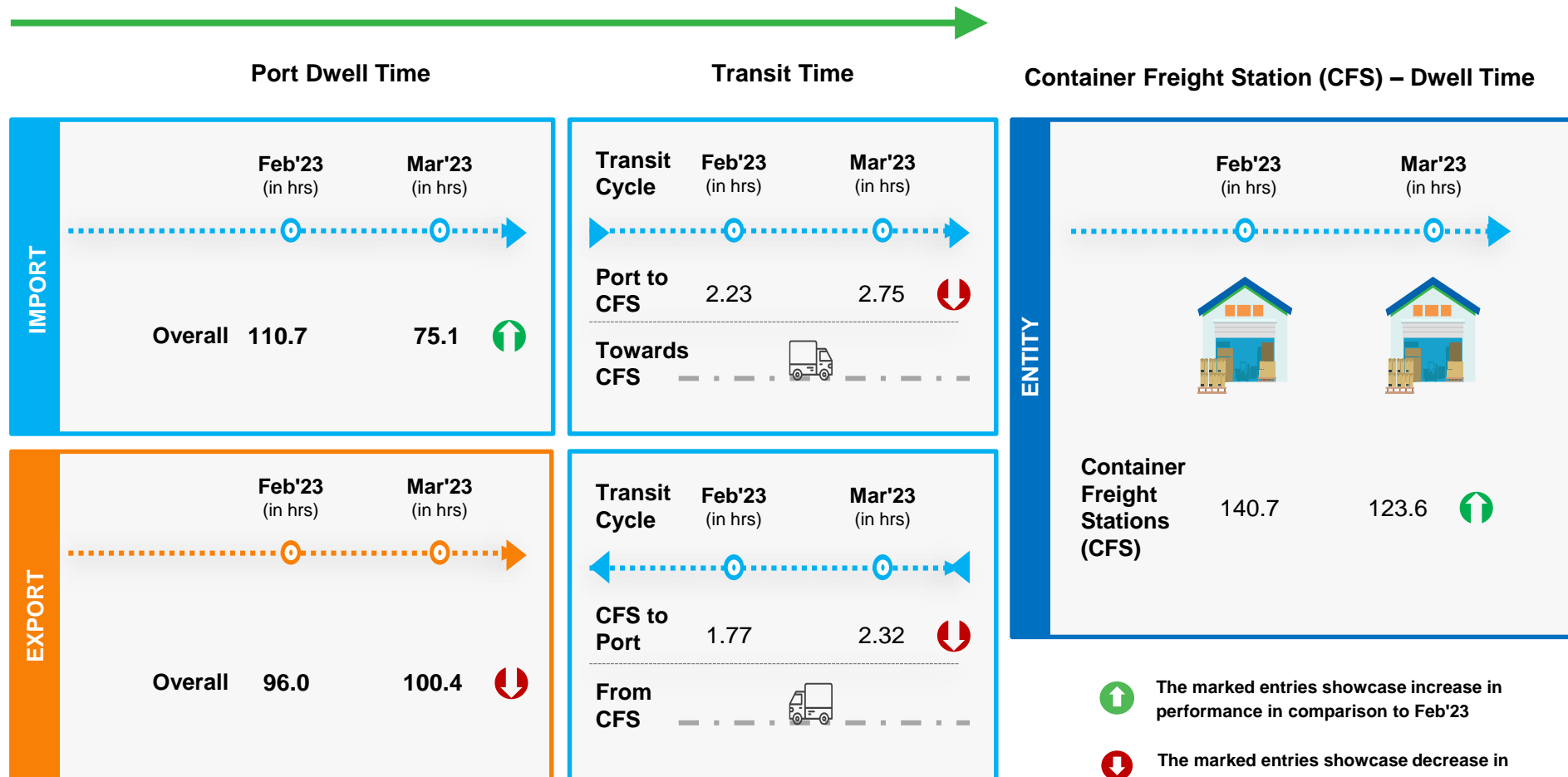
## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

# Haldia Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



- ↑ The marked entries showcase increase in performance in comparison to Feb'23
- ↓ The marked entries showcase decrease in performance in comparison to Feb'23

## Container Lifecycle (Export Cycle)





Section

02

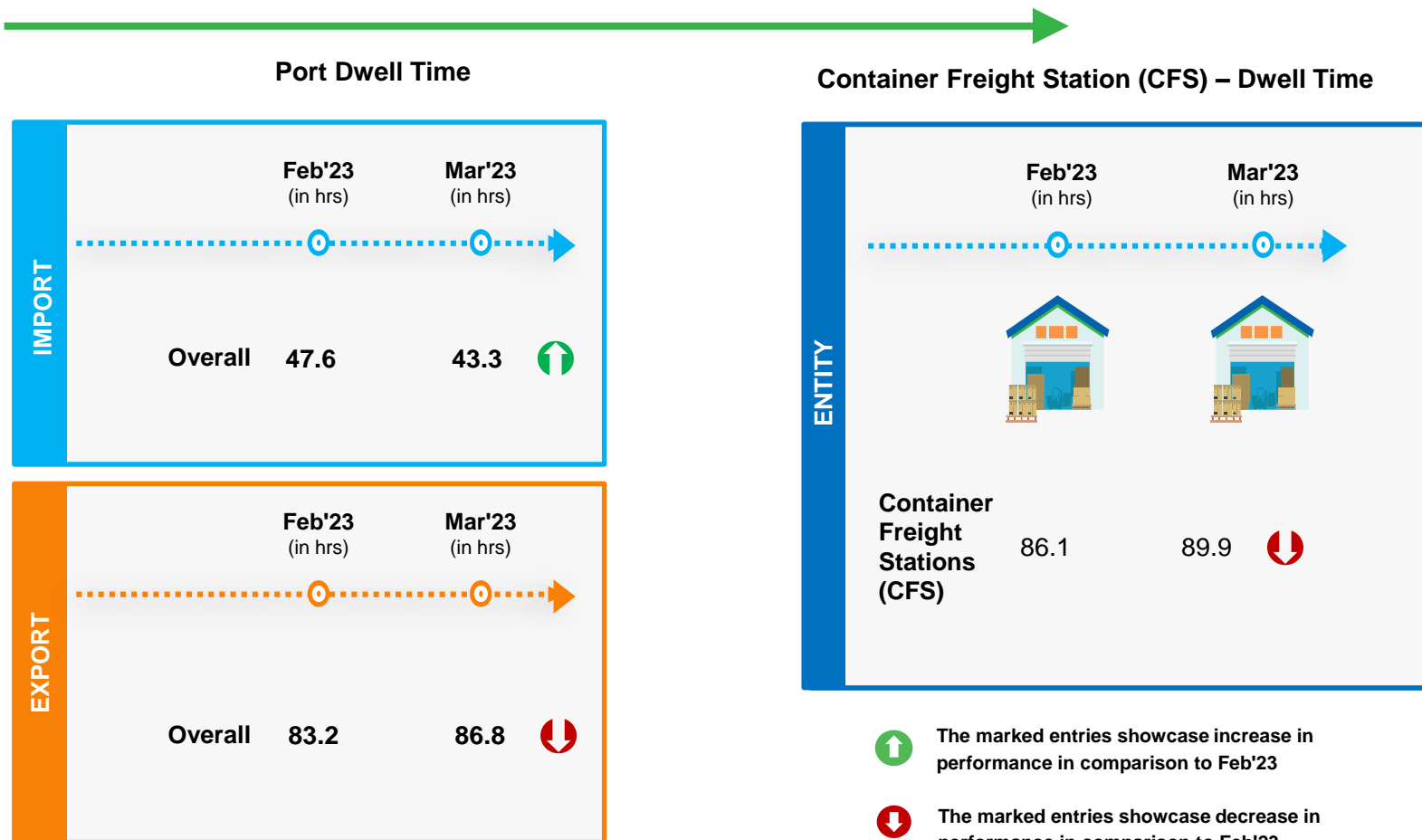
03

# INDIVIDUAL TERMINAL PERFORMANCE IN WESTERN CORRIDOR



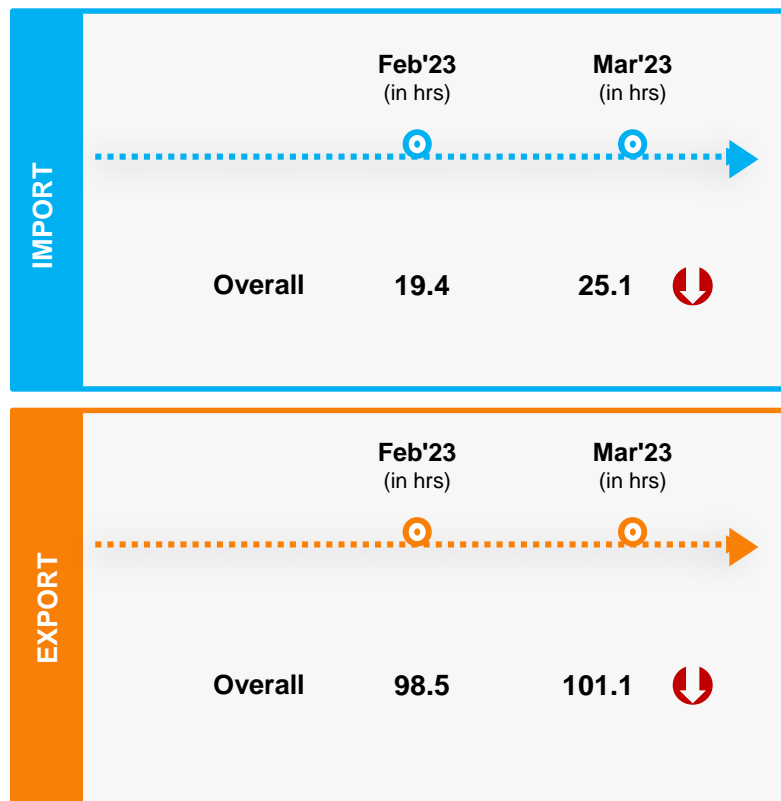
# Pipavav Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

## Port Dwell Time



↑ The marked entries showcase increase in performance in comparison to Feb'23

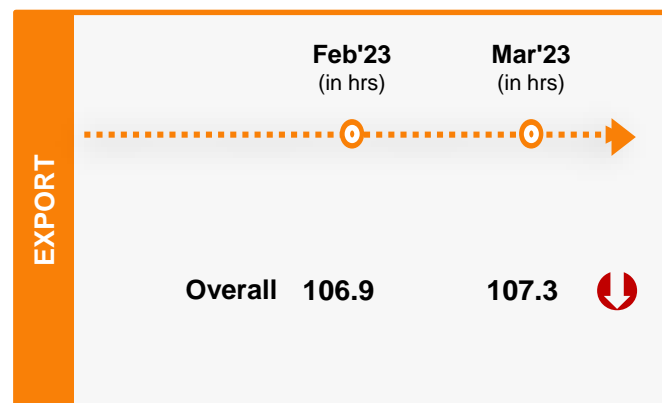
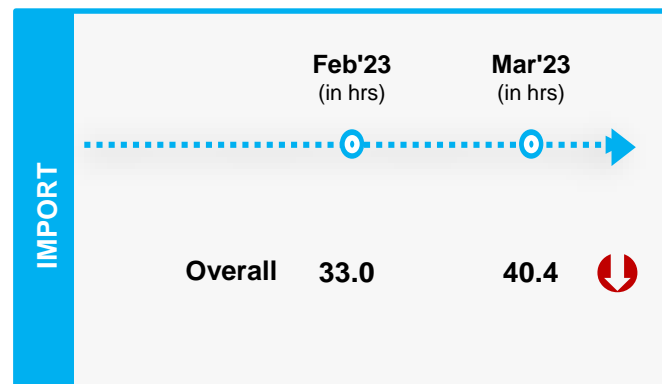
↓ The marked entries showcase decrease in performance in comparison to Feb'23

# Hazira Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



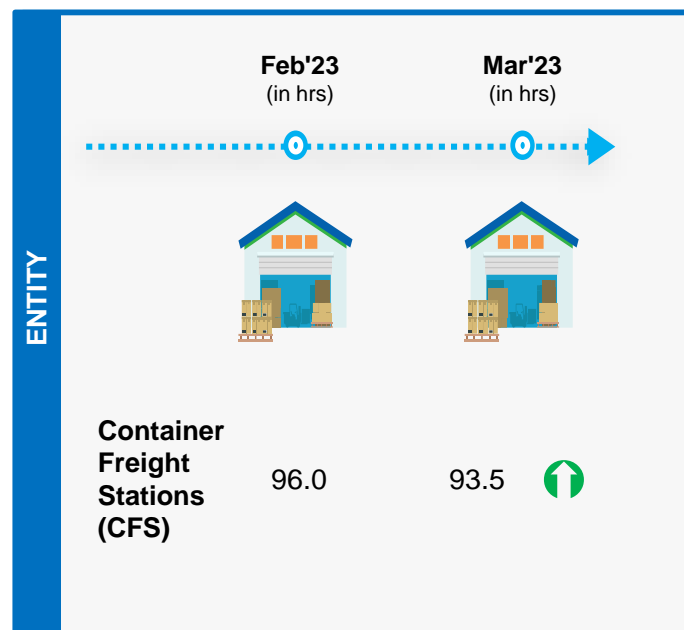
### Port Dwell Time





## Container Lifecycle (Export Cycle)



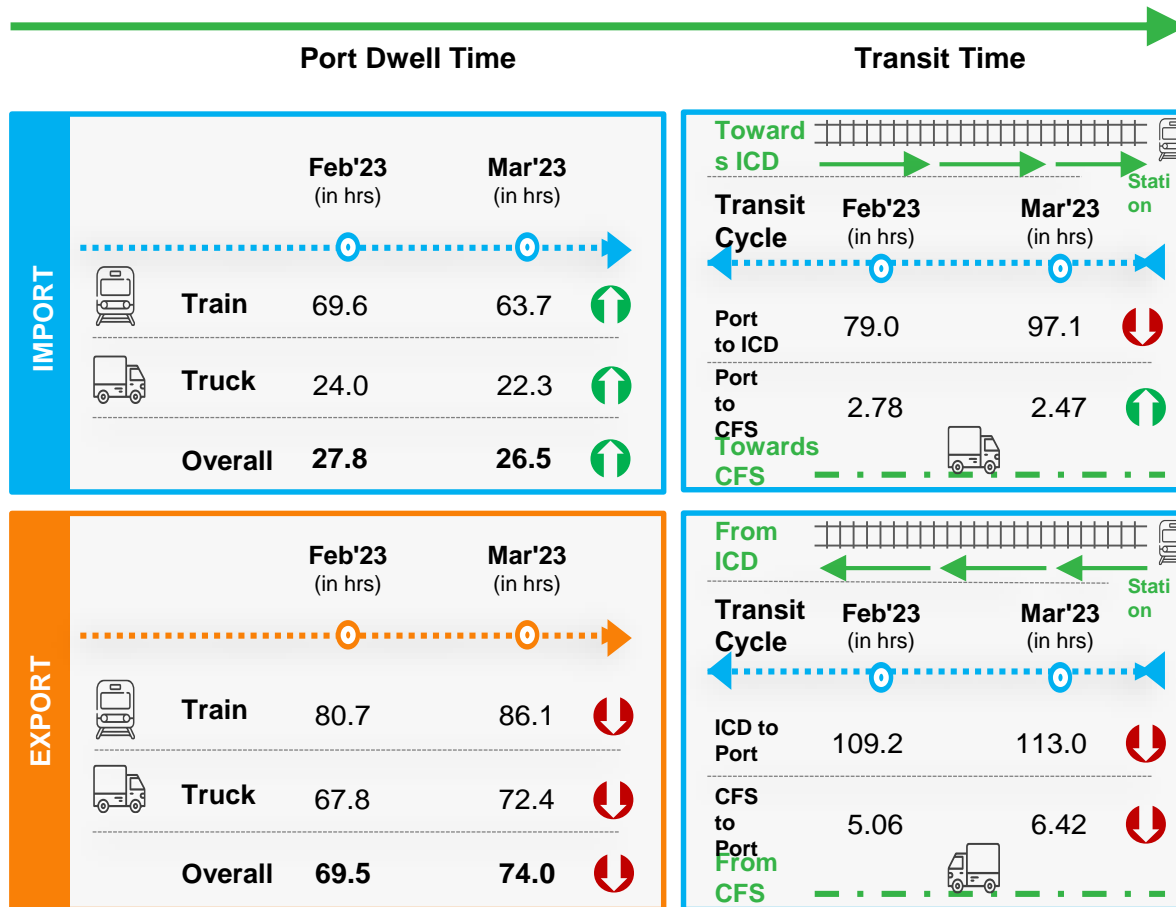
### Container Freight Station (CFS) – Dwell Time



-  The marked entries showcase increase in performance in comparison to Feb'23
-  The marked entries showcase decrease in performance in comparison to Feb'23

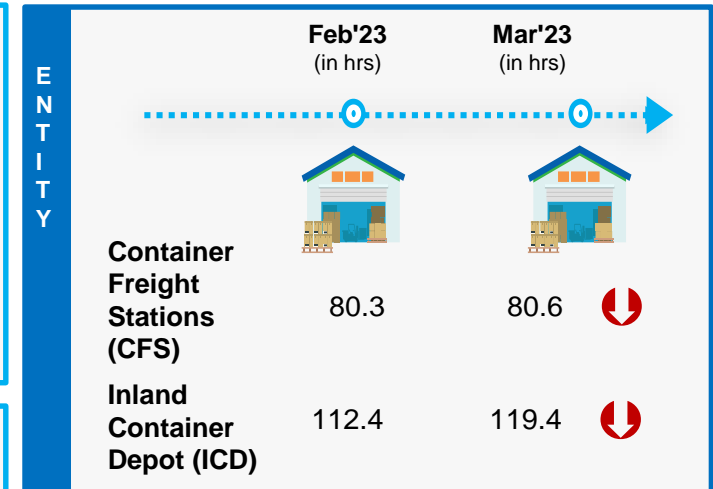
# JNPA Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

### Container Freight Station (CFS) / Inland Container Depot (ICD) – Dwell Time



### Volume distribution at port terminal – Truck/Rail

|              | Import | Export |
|--------------|--------|--------|
| <b>Rail</b>  | 17%    | 20%    |
| <b>Truck</b> | 83%    | 80%    |



The marked entries showcase increase in performance in comparison to Feb'23



The marked entries showcase decrease in performance in comparison to Feb'23

# JNPA Port Terminal: Container Transportation

| IMPORT CYCLE DWELL TIME (Mar'23 – in hrs) |  |       |       |   |
|---|--|-------|-------|---|
| Port dwell time                           | Overall Dwell Time of Truck and Train Bound Containers | 26.5  | 4.7%  | ↑ |
|   | Port Dwell Time for Truck Bound Containers             | 22.3  | 7.1%  | ↑ |
|   | Port Dwell time for Train Bound Containers             | 63.7  | 8.5%  | ↑ |
|   | Port Dwell time Direct Port Delivery (DPD) containers  | 34.5  | 9.5%  | ↓ |
|   | Port Dwell time Containers bound for CFS               | 19.8  | 1.0%  | ↑ |
|   | Port Dwell for Empty Containers                        | 50.8  | 5.6%  | ↓ |
|   | Port Dwell for Laden Containers                        | 23.5  | 3.3%  | ↑ |
| Transit time                              | Port to ICD  | 97.1  | 23.9% | ↓ |
|   | Port to CFS  | 2.47  | 11.2% | ↑ |
| EXPORT CYCLE DWELL TIME (Mar'23– in hrs)  |  |       |       |   |
| Port dwell time                           | Overall Dwell Time of Truck and Train Bound Containers | 74.0  | 6.5%  | ↓ |
|   | Port Dwell Time for Truck Bound Containers             | 72.4  | 6.8%  | ↓ |
|   | Port Dwell time for Train Bound Containers             | 86.1  | 6.7%  | ↓ |
|   | Port Dwell time Direct Port Entry (DPE) containers     | 68.0  | 3.0%  | ↓ |
|   | Port Dwell time Containers bound from CFS              | 74.4  | 10.7% | ↓ |
|   | Port Dwell for Empty Containers                        | 72.7  | 12.0% | ↓ |
|   | Port Dwell for Laden Containers                        | 74.3  | 5.2%  | ↓ |
| Transit time                              | ICD to Port  | 113.0 | 3.5%  | ↓ |
|   | CFS to Port  | 6.42  | 26.9% | ↓ |

Compared  
to Feb'23

Compared  
to Feb'23

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Feb'23

# JNPA Region: Parking Plaza Dwell Time Analysis

The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle

## Parking Plaza Gate In – Gate Out

| Mode                  | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|-----------------------|--------------------|--------------------|
| Overall Parking Plaza | 5.42               | 5.59               |

## Container Handled: Day wise (Mar'23 )

| Parking Plaza              | Within 2 hrs | Within 2-4 hrs | Within 4-8 hrs | Within 8-16 hrs | Within 16-24 hrs | More than 24 hrs |
|----------------------------|--------------|----------------|----------------|-----------------|------------------|------------------|
| JNPA Central Parking Plaza | 10%          | 23%            | 35%            | 22%             | 6%               | 4%               |

## Parking Plaza Gate Out – Terminal In

| Mode                               | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|------------------------------------|--------------------|--------------------|
| Overall Parking Plaza to JNPA Port | 2.55               | 3.65               |

| Port  | Feb'23<br>(in hrs) | Mar'23<br>(in hrs) |
|-------|--------------------|--------------------|
| JNPCT | -                  | -                  |
| NSICT | 4.1                | 5.3                |
| GTI   | 1.2                | 0.4                |
| NSIGT | 2.0                | 1.2                |
| BMCT  | 4.7                | 7.8                |

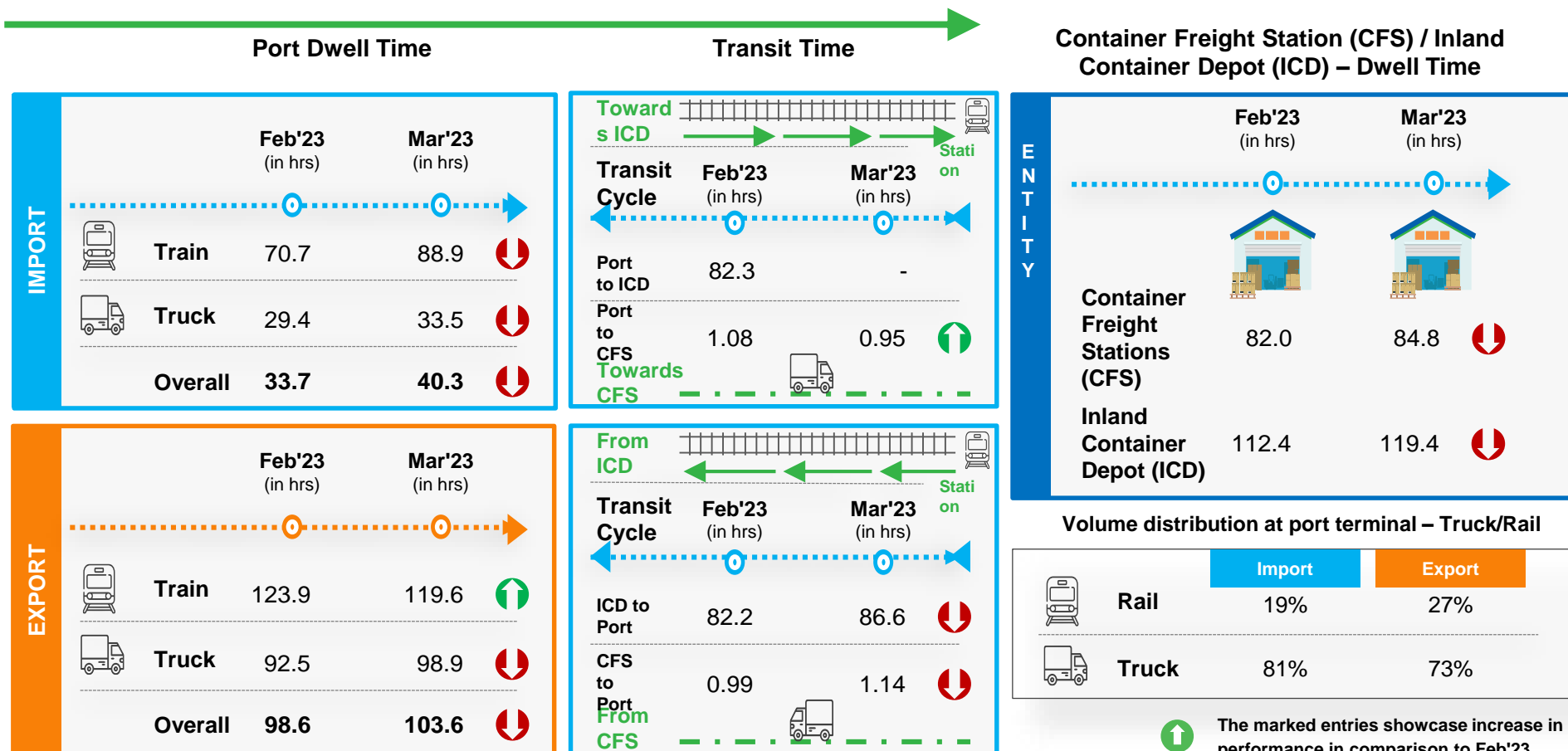
## Container Handled: Day wise (Mar'23 )

| Parking Plaza | Within 2 hrs | Within 2-4 hrs | Within 4-8 hrs | Within 8-16 hrs | Within 16-24 hrs | More than 24 hrs |
|---------------|--------------|----------------|----------------|-----------------|------------------|------------------|
| JNPCT         | -            | -              | -              | -               | -                | -                |
| NSICT         | 15%          | 21%            | 39%            | 22%             | 2%               | 0%               |
| GTI           | 98%          | 1%             | 1%             | 0%              | 0%               | 0%               |
| NSIGT         | 72%          | 20%            | 6%             | 1%              | 0%               | 0%               |
| PSA           | 3%           | 8%             | 41%            | 41%             | 7%               | 1%               |



# Mundra Port Terminal: Container Transportation

## Container Lifecycle (Import Cycle)



## Container Lifecycle (Export Cycle)

**Note:** Due to data discrepancy, Port to ICD figure is left blank.

- ↑ The marked entries showcase increase in performance in comparison to Feb'23
- ↓ The marked entries showcase decrease in performance in comparison to Feb'23

# Mundra Port Terminal: Container Transportation

| IMPORT CYCLE DWELL TIME (Mar'23– in hrs) |  |       |       |   |
|--|--|-------|-------|---|
| Port dwell time                          | Overall Dwell Time of Truck and Train Bound Containers | 40.3  | 19.6% | ↓ |
|  | Port Dwell Time for Truck Bound Containers             | 33.5  | 13.9% | ↓ |
|  | Port Dwell time for Train Bound Containers             | 88.9  | 25.7% | ↓ |
| Transit time                             | Port to ICD  | -     | -     |   |
|  | Port to CFS  | 0.95  | 12.0% | ↑ |
| EXPORT CYCLE DWELL TIME (Mar'23– in hrs) |  |       |       |   |
| Port dwell time                          | Overall Dwell Time of Truck and Train Bound Containers | 103.6 | 5.1%  | ↓ |
|  | Port Dwell Time for Truck Bound Containers             | 98.9  | 6.9%  | ↓ |
|  | Port Dwell time for Train Bound Containers             | 119.6 | 3.5%  | ↑ |
| Transit time                             | ICD to Port  | 86.6  | 5.4%  | ↓ |
|  | CFS to Port  | 1.14  | 15.2% | ↓ |

Compared  
to Feb'23



The arrows depict increase/decrease in performance of the stakeholders in comparison to Feb'23

**Note:** Due to data discrepancy, Port to ICD figure is left blank.



Section

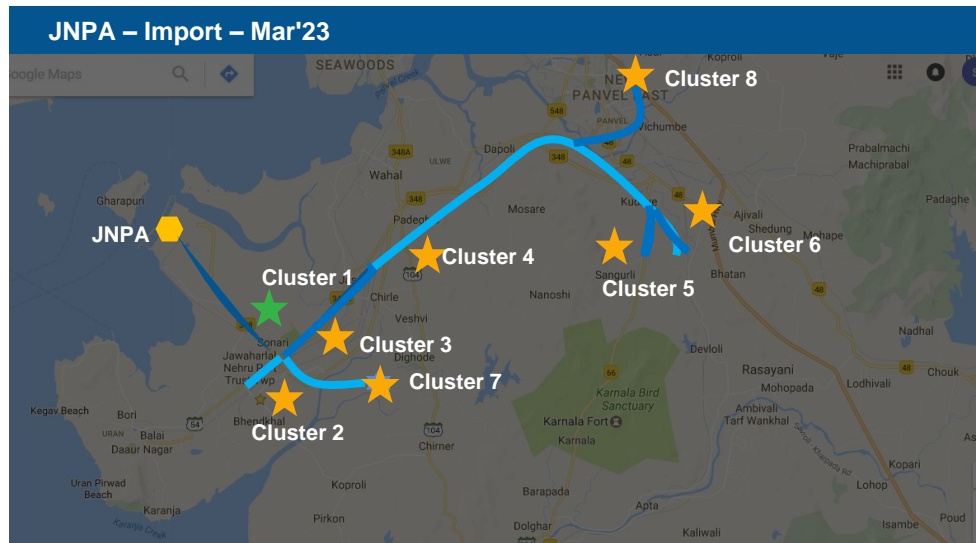
02

04

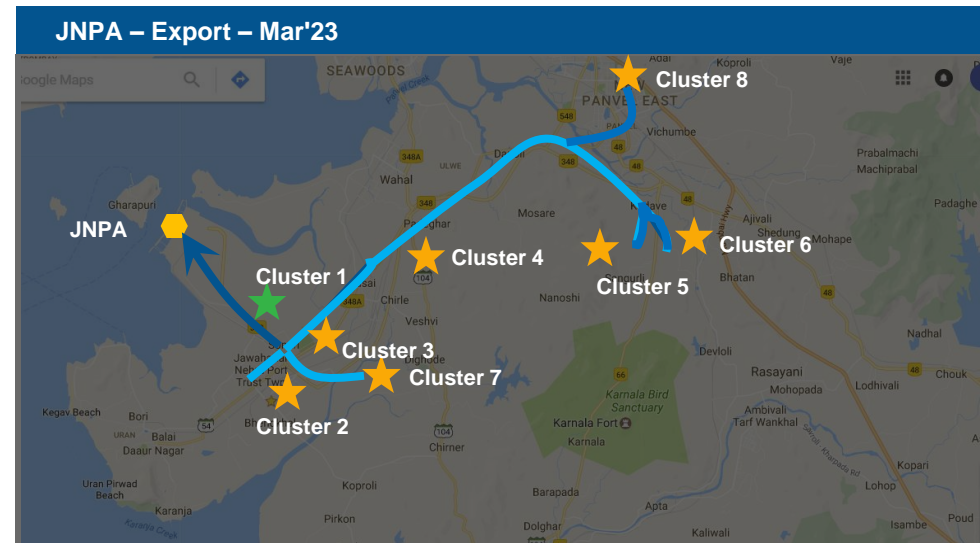
# CONGESTION ANALYSIS



# JNPA Region: Congestion Analysis



| Clusters with bottleneck    |  |
|-----------------------------|--|
| Cluster 1                   | JNPA area                              |
| Clusters without bottleneck |  |
| Cluster 2                   | Bhendkhal area, khopate road           |
| Cluster 3                   | Sonari area, JNPA road                 |
| Cluster 4                   | Chirle area, JNPA road                 |
| Cluster 5                   | Plaspa area, coach kanyakumari highway |
| Cluster 6                   | Salva apta rd area, bangalore highway  |
| Cluster 7                   | Patilpada area, khopate JNPA road      |
| Cluster 8                   | Taloja, navi mumbai                    |



| Clusters with bottleneck    |  |
|-----------------------------|--|
| Cluster 1                   | JNPA area                              |
| Clusters without bottleneck |  |
| Cluster 2                   | Bhendkhal area, khopate road           |
| Cluster 3                   | Sonari area, JNPA road                 |
| Cluster 4                   | Chirle area, JNPA road                 |
| Cluster 5                   | Plaspa area, coach kanyakumari highway |
| Cluster 6                   | Salva apta rd area, bangalore highway  |
| Cluster 7                   | Patilpada area, khopate JNPA road      |
| Cluster 8                   | Taloja, navi mumbai                    |

**Legends**

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

# Mundra Region: Congestion Analysis



| Clusters with bottleneck    |             |
|-----------------------------|-------------|
|                             |             |
| Clusters without bottleneck |             |
| Cluster 1                   | APSEZ area  |
| Cluster 2                   | Hind circle |
| Cluster 3                   | Motakapaya  |

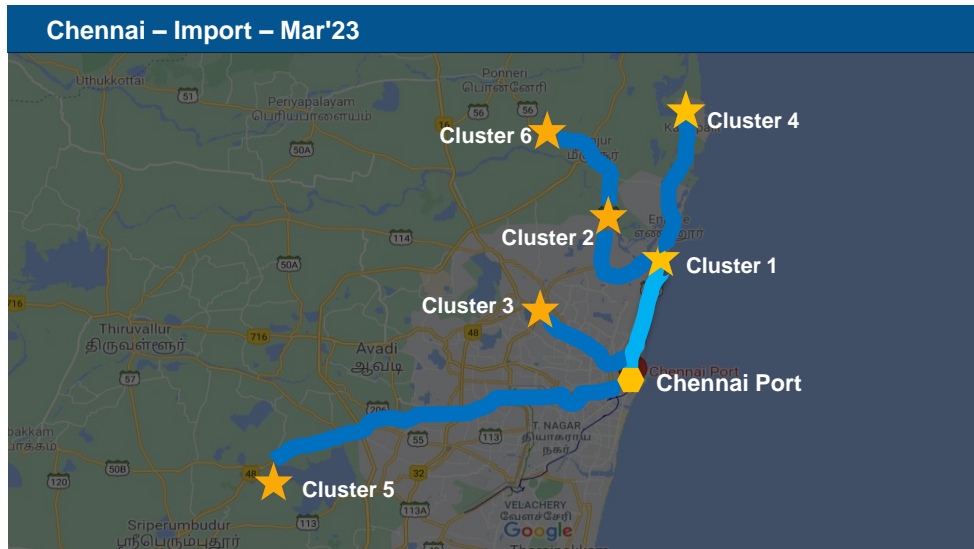


| Clusters with bottleneck    |             |
|-----------------------------|-------------|
| Cluster 1                   | APSEZ Area  |
| Clusters without bottleneck |             |
| Cluster 2                   | Hind circle |
| Cluster 3                   | Motakapaya  |

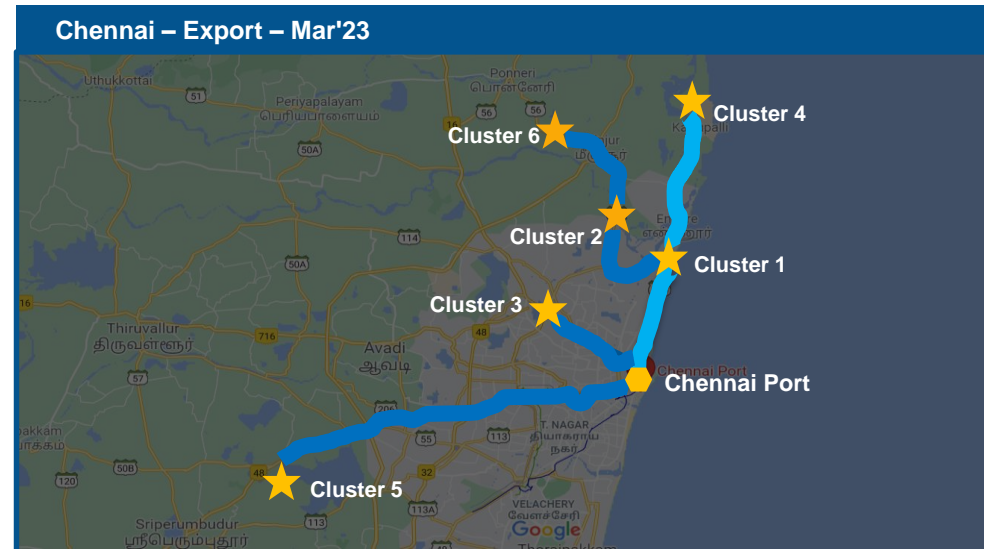
## Legends

■ High Congestion    
 ■ Medium Congestion    
 ■ Low Congestion    
 ★ Cluster with bottleneck    
 ★ Cluster without bottleneck

# Chennai Region: Congestion Analysis



| Clusters with bottleneck |   |
|--------------------------|---|
| Cluster 1                | Chennai port bound area                           |
| Cluster 2                | Ennore port bound area                            |
| Cluster 3                | Chennai central area                              |
| Cluster 4                | Kattupalli port bound area                        |
| Cluster 5                | Chennai automotive industry area (Irungatukottai) |
| Cluster 6                | Thiruvallur Outer city bound area                 |



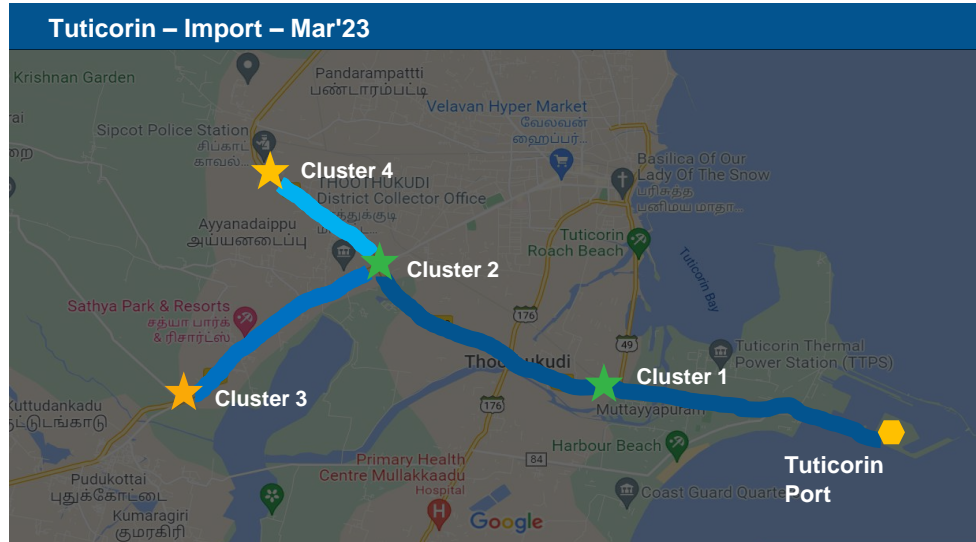
| Clusters with bottleneck |   |
|--------------------------|---|
| Cluster 1                | Chennai port bound area                           |
| Cluster 2                | Ennore port bound area                            |
| Cluster 3                | Chennai central area                              |
| Cluster 4                | Kattupalli port bound area                        |
| Cluster 5                | Chennai automotive industry area (Irungatukottai) |
| Cluster 6                | Thiruvallur Outer city bound area                 |

**Legends**

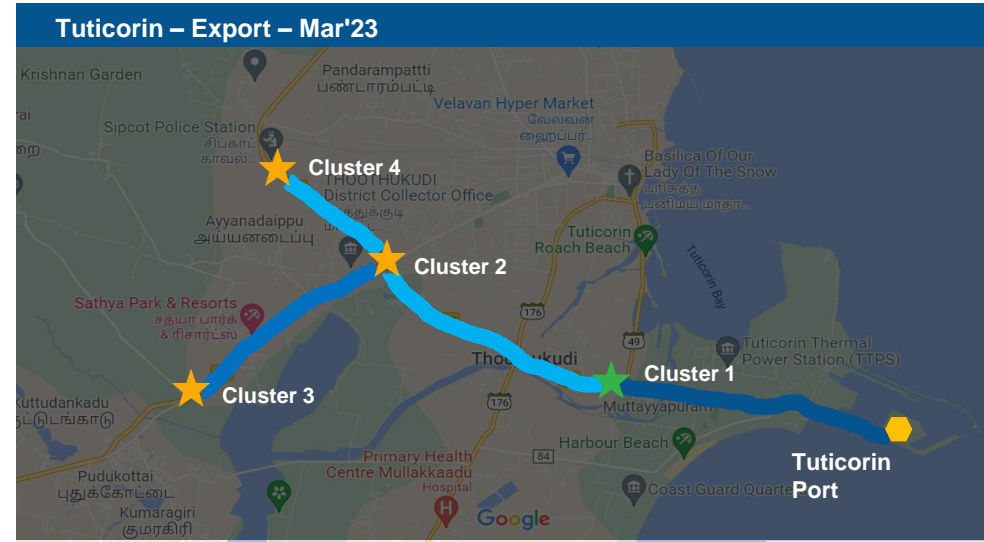
- High Congestion (thick blue line)
- Medium Congestion (medium blue line)
- Low Congestion (thin blue line)
- Cluster with bottleneck (green star)
- Cluster without bottleneck (yellow star)



# Tuticorin Region: Congestion Analysis



| Clusters with bottleneck    |  |
|-----------------------------|--|
| Cluster 1                   | Near by VOC road                                   |
| Cluster 2                   | Perianayagapuram, Thoothukudi near by Madurai road |
| Clusters without bottleneck |  |
| Cluster 3                   | Tirunelveli road near by Podukottai                |
| Cluster 4                   | Sipcot area near by Madurai road                   |

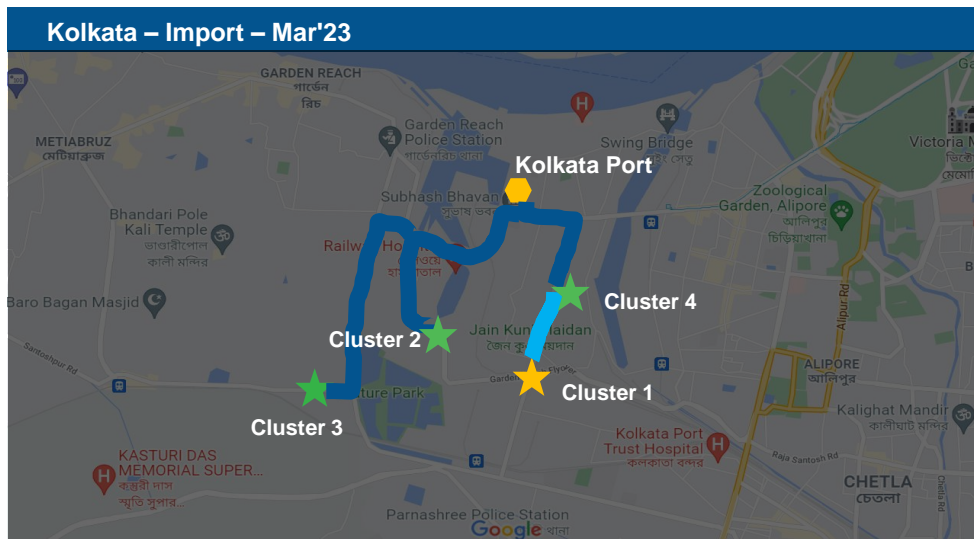


| Clusters with bottleneck    |  |
|-----------------------------|--|
| Cluster 1                   | Near by VOC road                                   |
| Clusters without bottleneck |  |
| Cluster 2                   | Perianayagapuram, Thoothukudi near by Madurai road |
| Cluster 3                   | Tirunelveli road near by Podukottai                |
| Cluster 4                   | Sipcot area near by Madurai road                   |

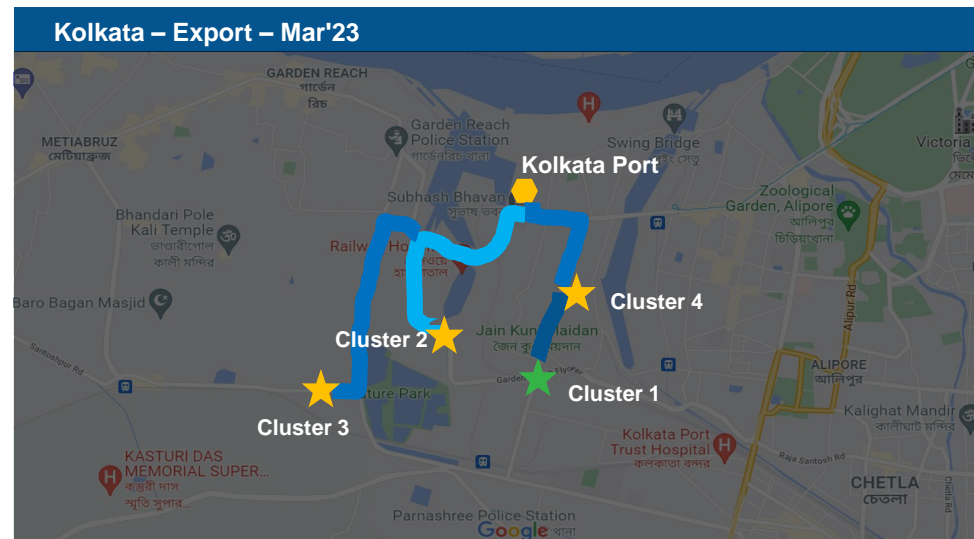
**Legends**

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

# Kolkata Region: Congestion Analysis



| Clusters with bottleneck    |                   |
|-----------------------------|-------------------|
| Cluster 2                   | Sonapur road area |
| Cluster 3                   | Nature park area  |
| Cluster 4                   | Babu bazar area   |
| Clusters without bottleneck |                   |
| Cluster 1                   | Base bridge area  |

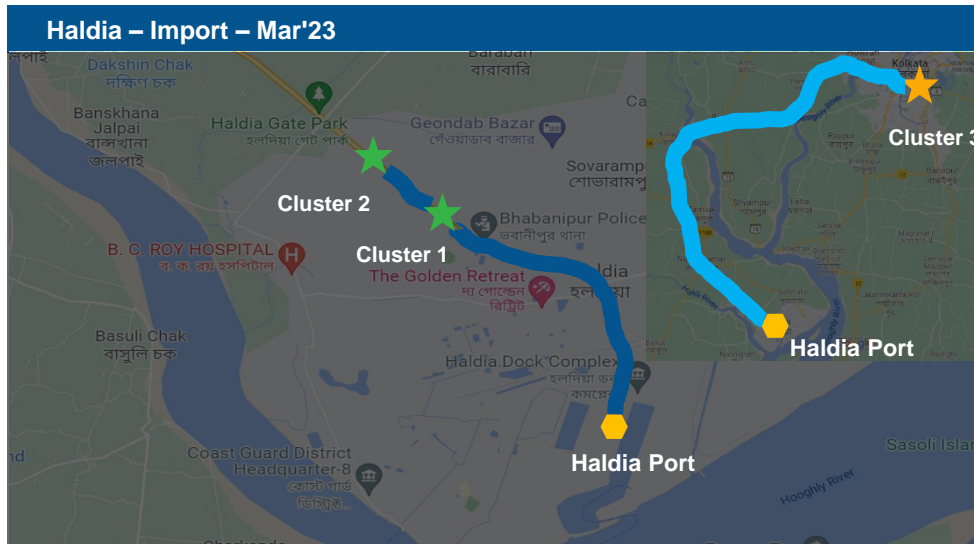


| Clusters with bottleneck    |                   |
|-----------------------------|-------------------|
| Cluster 1                   | Base bridge area  |
| Clusters without bottleneck |                   |
| Cluster 2                   | Sonapur road area |
| Cluster 3                   | Nature park area  |
| Cluster 4                   | Babu bazar area   |

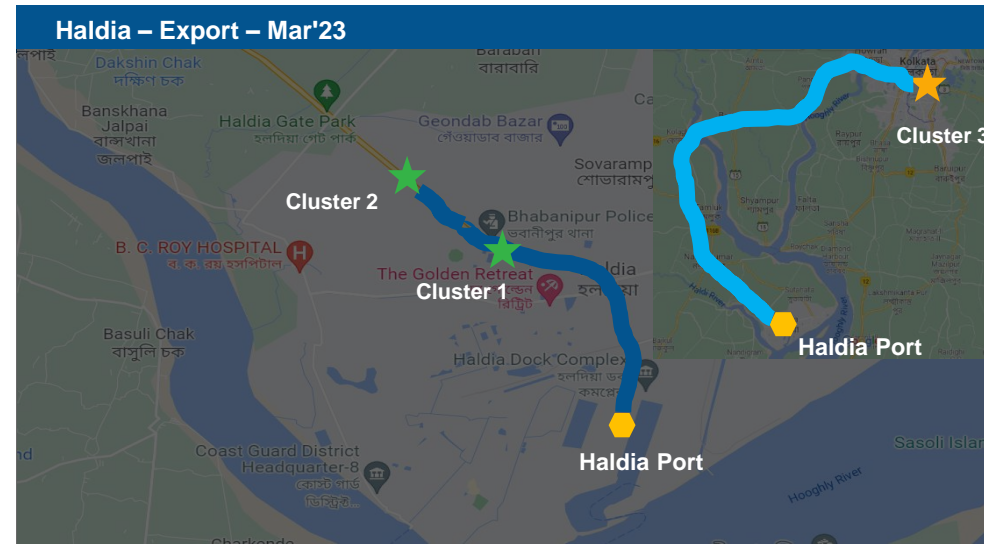
**Legends**

- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

# Haldia Region: Congestion Analysis



| Clusters with bottleneck    |                                   |
|-----------------------------|-----------------------------------|
| Cluster 1                   | Talpukur area, Kolkata highway    |
| Cluster 2                   | City centre area, Kolkata highway |
| Clusters without bottleneck |                                   |
| Cluster 3                   | Silpodanga area                   |



| Clusters with bottleneck    |                                   |
|-----------------------------|-----------------------------------|
| Cluster 1                   | Talpukur area, Kolkata highway    |
| Cluster 2                   | City centre area, Kolkata highway |
| Clusters without bottleneck |                                   |
| Cluster 3                   | Silpodanga area                   |

## Legends

High Congestion

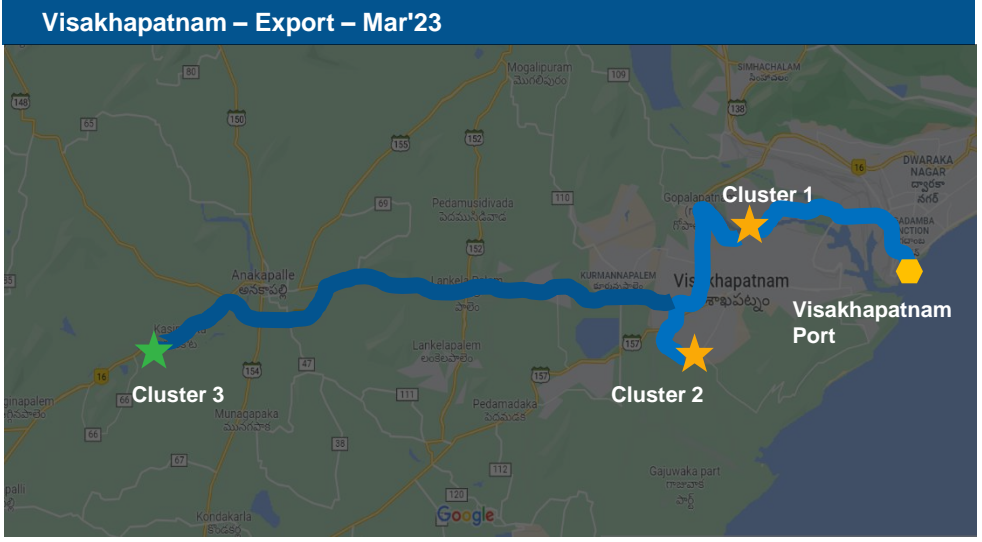
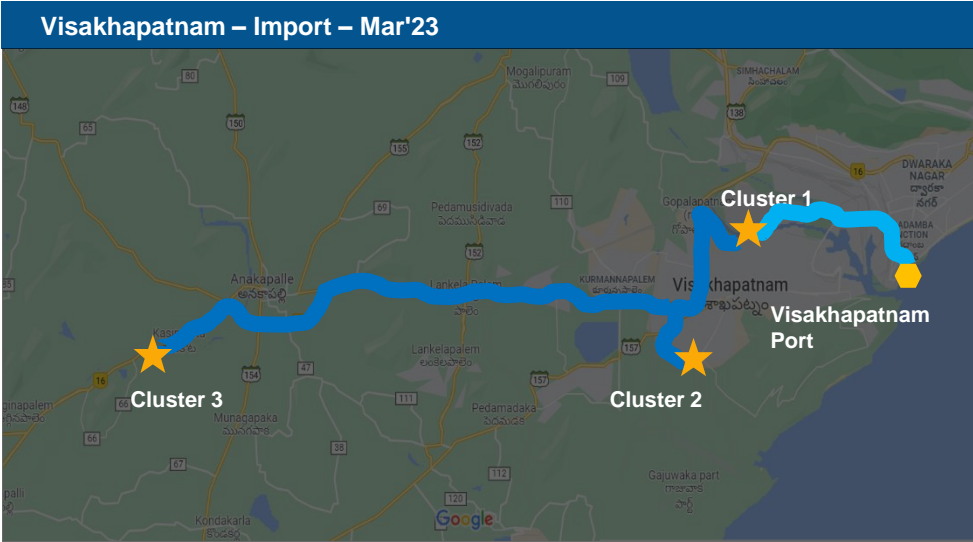
Medium Congestion

Low Congestion

Cluster with bottleneck

Cluster without bottleneck

# Visakhapatnam Region: Congestion Analysis



| Clusters with bottleneck    |  |
|-----------------------------|--|
|                             |  |
| Clusters without bottleneck |  |
| Cluster 1                   | Port road, Gopalapatnam area               |
| Cluster 2                   | Autonagar, Gajuwaka area                   |
| Cluster 3                   | Chennai – Kolkata highway, Bayyavaram area |

| Clusters with bottleneck    |  |
|-----------------------------|--|
| Cluster 3                   | Chennai – Kolkata highway, Bayyavaram area |
| Clusters without bottleneck |  |
| Cluster 1                   | Port road, Gopalapatnam area               |
| Cluster 2                   | Autonagar, Gajuwaka area                   |

**Legends**      High Congestion      Medium Congestion      Low Congestion      ★ Cluster with bottleneck      ★

Section  
**02**

**05**

# ANALYSIS OF CONTAINER MOVEMENT ACROSS INDIA

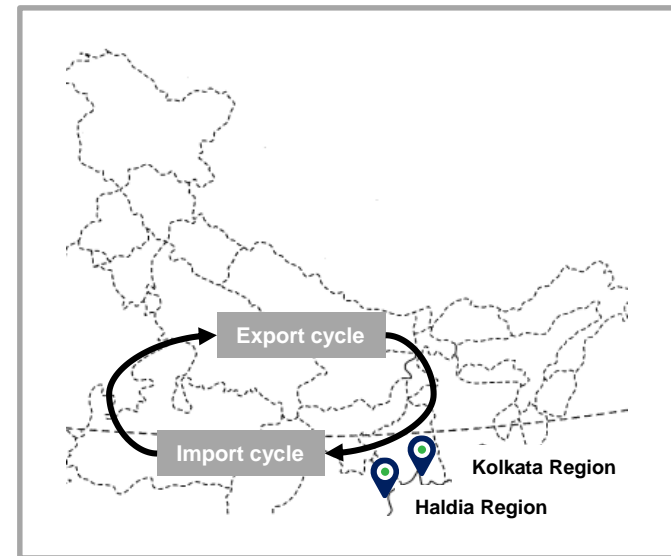


# Transit movement across ICPs

Below is the analysis of the transit movement across ICPs from Kolkata Port Terminal or Haldia Port Terminal both Import and Export cycle

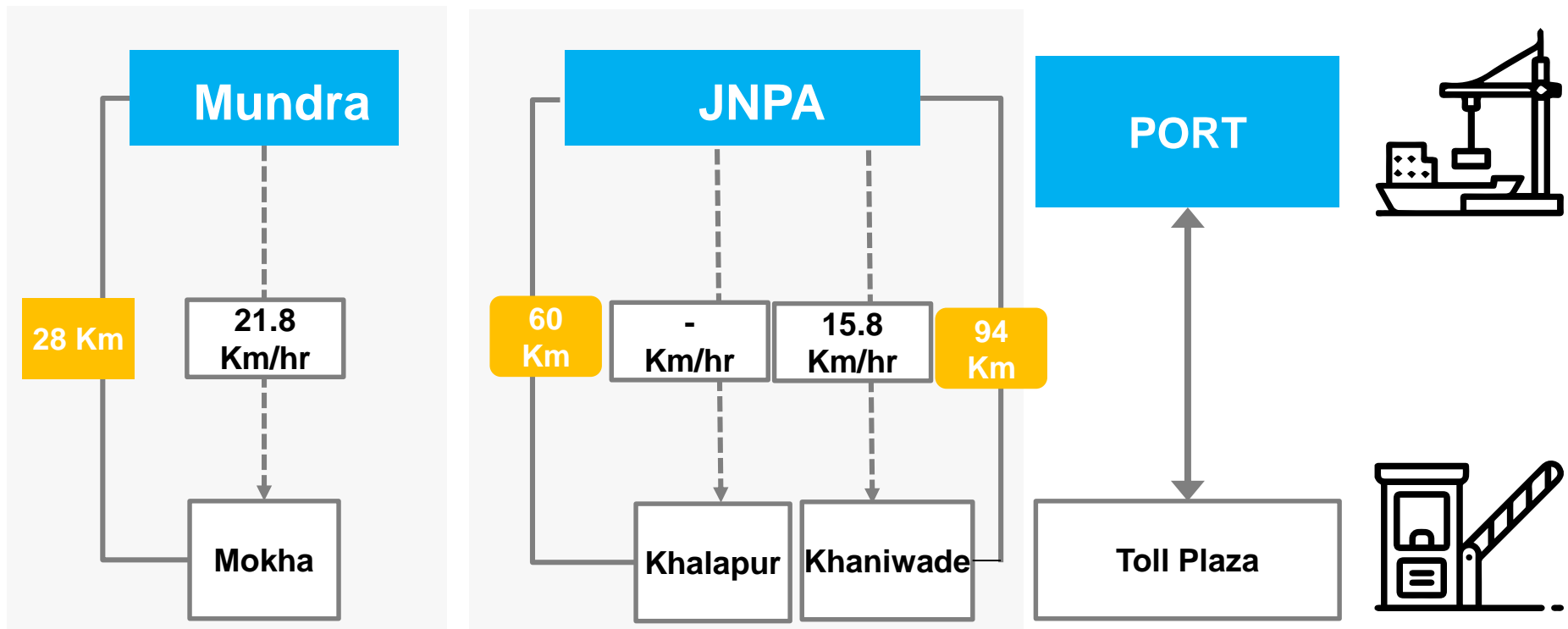
| Import Cycle | Kolkata Port Terminal |            |
|--------------|-----------------------|------------|
|              | Mode                  | ICP Raxaul |
|              | Overall               | 83.5 hrs   |
|              | Road                  | 117.7 hrs  |
|              | Rail                  | 80.1 hrs   |
|              | Haldia Port Terminal  |            |
|              | Mode                  | ICP Raxaul |
|              | Overall               | -          |

| Export Cycle | Kolkata Port Terminal |            |
|--------------|-----------------------|------------|
|              | Mode                  | ICP Raxaul |
|              | Overall               | 1112.6 hrs |
|              | Road                  | 702.6 hrs  |
|              | Rail                  | 1118.5 hrs |
|              | Haldia Port Terminal  |            |
|              | Mode                  | ICP Raxaul |
|              | Overall               | 1093.0 hrs |



# Evacuation Efficiency Analysis

Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza



# Evacuation Efficiency Analysis: Other Major Ports

Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza

| Region   | Port                   | Adjacent Toll plaza | Distance<br>(in KM) | Average Speed (in Km/h) |        |        |
|----------|------------------------|---------------------|---------------------|-------------------------|--------|--------|
|          |                        |                     |                     | Jan'22                  | Feb'23 | Mar'23 |
| Western  | Hazira                 | Boriach             | 77                  | 4.7                     | 7.4    | 12.1   |
| Eastern  | KOPT(Kolkata)          | Dankuni             | 24                  | 3.0                     | 2.7    | 3.3    |
|          | HICT(Haldia)           | Debra               | 100                 | 10.4                    | 9.4    | 10.8   |
|          |                        | Jaladhulagori       | 101                 | 6.9                     | 6.4    | 11.9   |
| Southern | Chennai                | Surapattu           | 18                  | -                       | -      | -      |
|          |                        | Nallur              | 23                  | 2.2                     | 2.2    | 5.3    |
|          | Kochi                  | Kumbalam            | 13                  | 0.7                     | 0.7    | 0.8    |
|          |                        | GIPL Palayekara     | 71                  | 8.7                     | 9.1    | 19.9   |
|          | NMPT<br>(New Manglore) | Brahamarakotlu      | 25                  | 7.0                     | 3.5    | 12.3   |
|          |                        | Talapady            | 22.5                | 1.7                     | 1.7    | 3.7    |
|          |                        | Gundmi              | 68                  | 4.9                     | 4.1    | 6.1    |
|          | Kattupalli             | Surapattu           | 36                  | -                       | -      | -      |
|          |                        | Nallur              | 33                  | 7.2                     | 5.0    | 12.5   |
|          | Ennore                 | Surapattu           | 35                  | -                       | -      | -      |
|          | Tuticron               | VoCPT CheckPost1    | 4.3                 | 19.9                    | 20.1   | 16.6   |

The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza with 2 days

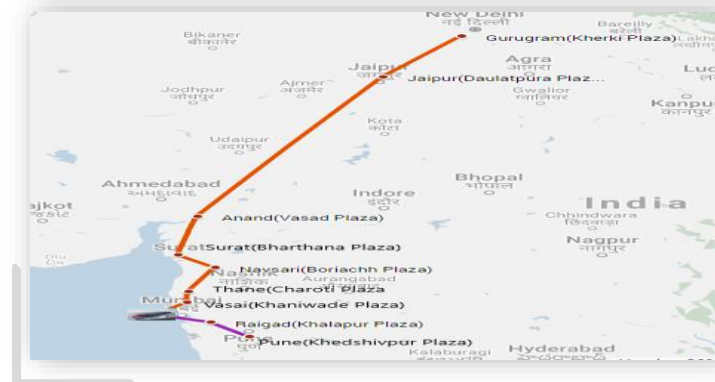


# Western Corridor Toll Plaza Analysis

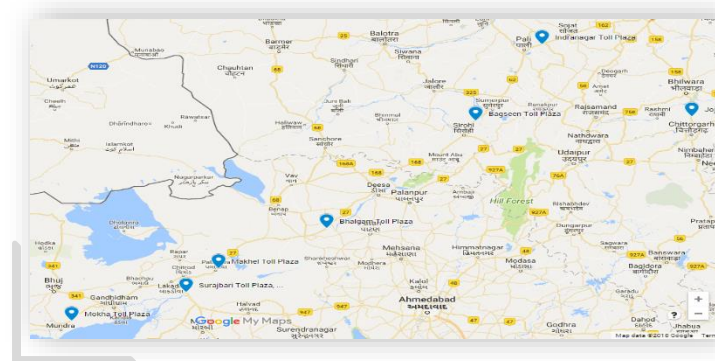
## Avg. Speed between Toll to Toll Plazas

|        | Source    | Destination Toll Plaza | Inter Distance (Km) | Feb'23 (in km/hrs) | Mar'23 (in km/hrs) |
|--------|-----------|------------------------|---------------------|--------------------|--------------------|
| JNPA   | JNPA      | Khaniwade              | 94                  | 14.8               | 15.8               |
|        | JNPA      | Khalapur               | 60                  | 21.3               | -                  |
|        | Khaniwade | Charoti                | 50                  | 38.1               | 37.7               |
|        | Charoti   | Boriach                | 126                 | 24.8               | 24.6               |
|        | Boriach   | Bharthan               | 142                 | 32.6               | 32.9               |
|        | Bharthan  | Vasad                  | 60                  | 37.3               | 37.4               |
| MUNDRA | Khalapur  | Khedshivpur            | 105                 | 34.5               | -                  |
|        | Mundra    | Mokha                  | 28                  | 22.5               | 21.8               |
|        | Mokha     | Makhel                 | 150                 | 27.7               | 24.7               |
|        | Mokha     | Surajbari              | 115                 | 27.9               | 27.4               |
|        | Makhel    | Bhalgam                | 108                 | 33.3               | 34.0               |

### Toll Plaza - JNPA Port



### Toll Plaza – Mundra Port



# Annexure – Name of the Ports

| Terminal Name | Name of the Port                                |
|---------------|---|
| ACMTTL        | Adani CMA Mundra Terminal (ACMTTL)              |
| AHPL          | Adani Hazira Port Limited (AHPL)                |
| AICT          | Adani International Container Terminal (AICT)   |
| AMCT          | Adani Mundra Container Terminal (AMCT)          |
| AMCT-2        | Adani Mundra Container Terminal-2 (AMCT-2)      |
| BMCT          | Bharat Mumbai Container Terminal(PSA)           |
| CCTL          | Chennai Container Terminal Pvt. Ltd. (CCTL)     |
| CITPL         | Chennai International Terminals Pvt Ltd (CITPL) |
| DBGT          | Dakshin Bharat Gateway Terminal (DBGT)          |
| GTI           | Gateway Terminals India (GTI)                   |
| HICT          | Haldia International Container Terminal (HICT)  |
| AKCTPL        | Adani Krishnapatna Container Terminal Pvt. Ltd. |

| Terminal Name | Name of the Port                                      |
|---------------|---|
| KICT          | Kandla International Container Terminal (KICT)        |
| ICTT          | International Container Transshipment Terminal, Kochi |
| JNPCT         | Jawaharlal Nehru Port Container Terminal (JNPCT)      |
| AKPPL         | Kattupalli International Container Terminal (KICT)    |
| KDS           | Kolkata Dock System (KDS)                             |
| MICT          | Mundra International Container Terminal (MICT)        |
| NSIGT         | Nhava Sheva India Gateway Terminal (NSIGT)            |
| NSICT         | Nhava Sheva International Container Terminal (NSICT)  |
| PSA - SICAL   | PSA SICAL Terminals                                   |
| VCTPL         | Visakha Container Terminal                            |
| NMPT          | New Mangalore Port Trust Terminal                     |
| AECT          | Adani Ennore Container Terminal (AECT)                |

# Annexure – CFS – Pan India

## List of CFS name used in CFS Performance Index

|    |   |          |    |  |          |    |   |          |
|----|---|----------|----|--|----------|----|---|----------|
| 1  | Adani CFS Eximyard, Mundra                                    | Western  | 32 | Hind Terminal CFS, Hazira                            | Western  | 63 | Viking Warehousing CFS, Chennai   | Southern |
| 2  | Sical CFS, Chennai Tiruvallur Tamil Nadu                      | Southern | 33 | Mundhra CFS, Mundra                                  | Western  | 64 | Apm Terminals India CFS, Tiruvallur   | Southern |
| 3  | Saurashtra CFS, Mundra  | Western  | 34 | Balmer Lawrie CFS, Chennai                           | Southern | 65 | Navkar Corporation Yard 2 CFS, Panvel   | Western  |
| 4  | Allcargo Global Logistics CFS, Chennai                        | Southern | 35 | Ashte Logistics CFS, Panvel                          | Western  | 66 | Glovis India CFS, Kanchipuram   | Southern |
| 5  | Hind Terminals Pvt. Ltd. CFS, Mundra                          | Western  | 36 | Seabird CFS, Hazira                                  | Western  | 67 | Sattva Hi-Tech And Conware CFS, Chennai                                       | Southern |
| 6  | CWC Conex Terminal CFS  | Western  | 37 | Speedy Multimode CFS, JNPT                           | Western  | 68 | Hind Terminals CFS, Chennai   | Southern |
| 7  | Continental Warehousing Corporation CFS (Nhava Seva), Chennai | Southern | 38 | Triway CFS, Chennai                                  | Southern | 69 | Balmer Lawrie CFS   | Eastern  |
| 8  | CWC CFS, Mundra   | Western  | 39 | International Cargo Terminal CFS                     | Western  | 70 | Sical Multimodal and Rail Transport Ltd. - CFS Division                       | Southern |
| 9  | Continental Warehousing CFS, Navi Mumbai                      | Western  | 40 | Continental Warehousing Corporation Nhava Sheva Ltd. | Southern | 71 | Kerry Indev Logistics Private Limited / Continental Container Freight Station | Southern |
| 10 | Gateway Distriparks CFS, Navi Mumbai                          | Western  | 41 | STP Services CFS, Chennai                            | Southern | 72 | St. John Freight Systems Ltd. - ICD Division                                  | Southern |
| 11 | Ameya Logistics CFS, Navi Mumbai                              | Western  | 42 | APM (Maersk India) CFS, Navi Mumbai                  | Western  | 73 | A L Logistics CFS   | Eastern  |
| 12 | Seabird CFS, Mundra   | Western  | 43 | GDKL CFS   | Southern | 74 | Century Plyboards CFS, Sonai  | Eastern  |
| 13 | AllCargo Logistics  | Western  | 44 | Dronagiri Rail Terminal CFS, Navi Mumbai             | Western  | 75 | Vilsons CFS   | Southern |
| 14 | International Cargo Terminals (ULA) CFS, Navi Mumbai          | Western  | 45 | Sattva Cfs And Logistics CFS, Chennai                | Southern | 76 | A S Shipping Agencies CFS, Tiruvallur   | Southern |
| 15 | Sarveshwar CFS  | Western  | 46 | ALS Tuticorin Terminal Private Limited               | Southern | 77 | Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur              | Southern |
| 16 | Allcargo Logistics CFS  | Eastern  | 47 | Empezar Logistics CFS                                | Western  | 78 | Take Care Logistics CFS   | Western  |
| 17 | Gateway Distriparks CFS, Chennai                              | Southern | 48 | Sanco Trans CFS, Chennai                             | Southern | 79 | SICAL CFS   | Eastern  |
| 18 | Navkar Corporation Yard 3 CFS, Panvel                         | Western  | 49 | Apollo Logisolutions CFS, Panvel                     | Western  | 80 | VCT CFS   | Eastern  |
| 19 | Century Plyboards CFS, JJP                                    | Eastern  | 50 | Rishi CFS, Mundra                                    | Western  | 81 | Seabird CFS, Navi Mumbai  | Western  |
| 20 | Phonex CFS  | Eastern  | 51 | Chandra CFS, Tiruvallur                              | Southern | 82 | CWC Impex Park CFS, Navi Mumbai   | Western  |
| 21 | MICT CFS, Mundra  | Western  | 52 | Navkar Corporation Yard 1 CFS, Panvel                | Western  | 83 | Contrans Logistic CFS, Pipavav  | Western  |
| 22 | Punjab Conware CFS, Navi Mumbai                               | Western  | 53 | Sravan CFS-1   | Eastern  | 84 | MIV CFS   | Southern |
| 23 | Honey Comb CFS, Mundra  | Western  | 54 | Diamond CFS Park                                     | Southern | 85 | Prompt Terminals (P) Ltd  | Southern |
| 24 | Adani CFS, Kattupalli Tiruvallur Tamil Nadu                   | Southern | 55 | Kerry Indev Logistics ICD, Kanchipuram               | Southern | 86 | Thiru Rani Logistics CFS, Tiruvallur  | Southern |
| 25 | Ennore Cargo Container Terminal CFS, Chennai                  | Southern | 56 | Raja Agencies CFS                                    | Southern | 87 | VPL Integral CFS  | Eastern  |
| 26 | JWC Logistics Park CFS  | Western  | 57 | Ocean Gate CFS, Panvel                               | Western  | 88 | A.S.Shipping Agencies Pvt Ltd   | Southern |
| 27 | EFC Logistics India   | Western  | 58 | TG Terminals CFS                                     | Western  | 89 | Calyx Container Terminal CFS, Chennai   | Southern |
| 28 | Kailash Shipping Services CFS, Chennai                        | Southern | 59 | Gateway East India CFS                               | Eastern  | 90 | Chola Logistiks Pvt Ltd   | Southern |
| 29 | Ashutosh CFS, Mundra  | Western  | 60 | Vaishno Logistics CFS, Navi Mumbai                   | Western  | 91 | Gateway Distripark CFS, Krishnapatnam   | Southern |
| 30 | Landmark CFS, Mundra  | Western  | 61 | LCL Logistix CFS, Pipavav                            | Western  |    |   |          |
| 31 | TG Terminals CFS, Mundra                                      | Western  | 62 | Transworld CFS, Mundra                               | Western  |    |   |          |

# Annexure – Western Region

## List of CFS name used in CFS Performance Index

|    |  |    |  |
|----|--|----|--|
| 1  | Adani CFS Eximyard, Mundra                           | 23 | Mundhra CFS, Mundra                      |
| 2  | Saurashtra CFS, Mundra                               | 24 | Ashte Logistics CFS, Panvel              |
| 3  | Hind Terminals Pvt. Ltd. CFS, Mundra                 | 25 | Seabird CFS, Hazira                      |
| 4  | CWC Conex Terminal CFS                               | 26 | Speedy Multimode CFS, JNPT               |
| 5  | CWC CFS, Mundra                                      | 27 | International Cargo Terminal CFS         |
| 6  | Continental Warehousing CFS, Navi Mumbai             | 28 | APM (Maersk India) CFS, Navi Mumbai      |
| 7  | Gateway Distriparks CFS, Navi Mumbai                 | 29 | Dronagiri Rail Terminal CFS, Navi Mumbai |
| 8  | Ameya Logistics CFS, Navi Mumbai                     | 30 | Empezar Logistics CFS                    |
| 9  | Seabird CFS, Mundra                                  | 31 | Apollo Logisolutions CFS, Panvel         |
| 10 | AllCargo Logistics                                   | 32 | Rishi CFS, Mundra                        |
| 11 | International Cargo Terminals (ULA) CFS, Navi Mumbai | 33 | Navkar Corporation Yard 1 CFS, Panvel    |
| 12 | Sarveshwar CFS                                       | 34 | Ocean Gate CFS, Panvel                   |
| 13 | Navkar Corporation Yard 3 CFS, Panvel                | 35 | TG Terminals CFS                         |
| 14 | MICT CFS, Mundra                                     | 36 | Vaishno Logistics CFS, Navi Mumbai       |
| 15 | Punjab Conware CFS, Navi Mumbai                      | 37 | LCL Logistix CFS, Pipavav                |
| 16 | Honey Comb CFS, Mundra                               | 38 | Transworld CFS, Mundra                   |
| 17 | JWC Logistics Park CFS                               | 39 | Navkar Corporation Yard 2 CFS, Panvel    |
| 18 | EFC Logistics India                                  | 40 | Take Care Logistics CFS                  |
| 19 | Ashutosh CFS, Mundra                                 | 41 | Seabird CFS, Navi Mumbai                 |
| 20 | Landmark CFS, Mundra                                 | 42 | CWC Impex Park CFS, Navi Mumbai          |
| 21 | TG Terminals CFS, Mundra                             | 43 | Contrans Logistic CFS, Pipavav           |
| 22 | Hind Terminal CFS, Hazira                            |    |  |

## List of ICD name used in ICD Performance Index

|    |  |
|----|--|
| 1  | ACTL ICD, Faridabad                                  |
| 2  | Adani Logistics Park ICD, Gurgaon                    |
| 3  | Albatross Inland Ports ICD, Dadri                    |
| 4  | Allcargo Logistics Park ICD, Dadri                   |
| 5  | APM Terminals ICD, Dadri                             |
| 6  | CMA CGM Logistics Park, Dadri                        |
| 7  | Gateway Rail Freight ICD, Gurgaon                    |
| 8  | GatewayRail Freight ICD, Pyala                       |
| 9  | Hind Terminals Logistics Park ICD, Palwal            |
| 10 | Navkar ICD, Tumb                                     |
| 11 | Pristine ICD Chawapail                               |
| 12 | The Thar Dry Port                                    |
| 13 | Continental Warehousing Corporation Nhava Sheva pvt. |

# Annexure – Southern & Eastern Region

## List of CFS name used in Southern CFS Performance Index

|    |   |    |   |
|----|---|----|---|
| 1  | Sical CFS, Chennai Tiruvallur Tamil Nadu                      | 20 | Viking Warehousing CFS, Chennai   |
| 2  | Allcargo Global Logistics CFS, Chennai                        | 21 | Apm Terminals India CFS, Tiruvallur   |
| 3  | Continental Warehousing Corporation CFS (Nhava Seva), Chennai | 22 | Glovis India CFS, Kanchipuram   |
| 4  | Gateway Distriparks CFS, Chennai                              | 23 | Sattva Hi-Tech And Conware CFS, Chennai                                       |
| 5  | Adani CFS, Kattupalli Tiruvallur Tamil Nadu                   | 24 | Hind Terminals CFS, Chennai   |
| 6  | Ennore Cargo Container Terminal CFS, Chennai                  | 25 | Sical Multimodal and Rail Transport Ltd. - CFS Division                       |
| 7  | Kailash Shipping Services CFS, Chennai                        | 26 | Kerry Indev Logistics Private Limited / Continental Container Freight Station |
| 8  | Balmer Lawrie CFS, Chennai                                    | 27 | St. John Freight Systems Ltd. - ICD Division                                  |
| 9  | Triway CFS, Chennai   | 28 | Vilsons CFS   |
| 10 | Continental Warehousing Corporation Nhava Sheva Ltd.          | 29 | A S Shipping Agencies CFS, Tiruvallur   |
| 11 | STP Services CFS, Chennai                                     | 30 | Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur              |
| 12 | GDKL CFS  | 31 | MIV CFS   |
| 13 | Sattva Cfs And Logistics CFS, Chennai                         | 32 | Prompt Terminals (P) Ltd  |
| 14 | ALS Tuticorin Terminal Private Limited                        | 33 | Thiru Rani Logistics CFS, Tiruvallur  |
| 15 | Sanco Trans CFS, Chennai                                      | 34 | A.S.Shipping Agencies Pvt Ltd   |
| 16 | Chandra CFS, Tiruvallur                                       | 35 | Calyx Container Terminal CFS, Chennai   |
| 17 | Diamond CFS Park  | 36 | Chola Logistiks Pvt Ltd   |
| 18 | Kerry Indev Logistics ICD, Kanchipuram                        | 37 | Gateway Distripark CFS, Krishnapatnam   |
| 19 | Raja Agencies CFS   |    |   |

## List of CFS name used in Eastern CFS Performance Index

|    |                              |
|----|------------------------------|
| 1  | Allcargo Logistics CFS       |
| 2  | Century Plyboards CFS, JJP   |
| 3  | Phonex CFS                   |
| 4  | Sravan CFS-1                 |
| 5  | Gateway East India CFS       |
| 6  | Balmer Lawrie CFS            |
| 7  | A L Logistics CFS            |
| 8  | Century Plyboards CFS, Sonai |
| 9  | SICAL CFS                    |
| 10 | VCT CFS                      |
| 11 | VPL Integral CFS             |





## LDB AT A GLANCE

# 57 MILLION<sup>+</sup>

CONTAINERS HANDLED

91

Toll Plaza Coverage

365<sup>+</sup>

CFS/ICD/ICP/PY\*/  
IZ\* Coverage

600<sup>+</sup>

Operators  
deployed at ports

100%

EXIM Container  
Terminals covered

2650<sup>+</sup>

RFID readers  
deployed PAN India

EDI

with FOIS and  
27 Port Terminals

## PORT PERFORMANCE

(February'23 vs March'23)

### DWELL TIME

#### WESTERN REGION

Import Cycle : 5.6%  
(30.3 hrs to 32.0 hrs)



Export Cycle : 6.4%  
(81.7 hrs to 86.9 hrs)



TOP-PERFORMER :  
Bharat Mumbai Container  
Terminal (PSA)

#### EASTERN REGION

Import Cycle : 8.1%  
(47 hrs to 43.2 hrs)



Export Cycle : 4.4%  
(100 hrs to 95.6 hrs)



TOP-PERFORMER :  
Visakha Container  
Terminal

#### SOUTHERN REGION

Import Cycle : 17.8%  
(42.1 hrs to 34.6 hrs)



Export Cycle : 6.5%  
(82.8 hrs to 77.4 hrs)



TOP-PERFORMER :  
Chennai International  
Terminal Pvt Ltd (CITPL)

### TOP PERFORMERS OF MARCH 2023 PAN INDIA



#### TERMINAL

Bharat Mumbai  
Container Terminal (PSA)



#### CFS

Adani CFS Eximyard,  
Mundra



#### ICD

Continental Warehousing  
Corporation Nhava Sheva Pvt.





## NICDC LOGISTICS DATA SERVICES LIMITED

 A-1002, 10th Floor, Tower A, Plot No. 7, Advant Navis Business Park,  
Sector -142, Greater Noida Express Way, Noida -201305 Uttar Pradesh

 +91 120 2459 753 |  [contactus@dldsl.in](mailto:contactus@dldsl.in) TOLLFREE : 1800 572 8314



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