



NATIONAL LOGISTICS POLICY

LAUNCHED BY HON'BLE PRIME MINISTER SHRI NARENDRA MODI ON 17th SEPTEMBER 2022



Section O
Section 02

Report Inference

This sections depicts the inference and major highlights of the report

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Annexure

This sections depicts the individual terminal performance, congestion and transit analysis

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LDB AT A GLANCE

60 MILLION⁺

CONTAINERS HANDLED

91

Toll Plaza Coverage

402+

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

600+

Operators deployed at ports

100%

EXIM Container Terminals covered

2750+

RFID readers deployed PAN India

EDI

with FOIS and 27 Port Terminals

PORT PERFORMANCE

(Jan-Feb-Mar'23 vs April-May-June'23)

DWELL TIME

WESTERN REGION

Import Cycle : 2.4% (28.1 hrs to 27.4 hrs)



Export Cycle: 2.8% (84.4 hrs to 86.7 hrs)

TOP-PERFORMER: Bharat Mumbaii Container Terminal (PSA)

EASTERN REGION

Import Cycle: 16.8% (84.9 hrs to 50.6 hrs) Export Cycle: 1.3%



(100.3 hrs to 99 hrs)

TOP-PERFORMER:
Kolkata Dock System



Import Cycle: 3.6% (39.1 hrs to 37.7 hrs)



Export Cycle : 3.7% (80.9 hrs to 77.9 hrs)



TOP-PERFORMER:
Dakshin Bharat Gateway
Terminal (DBGT)

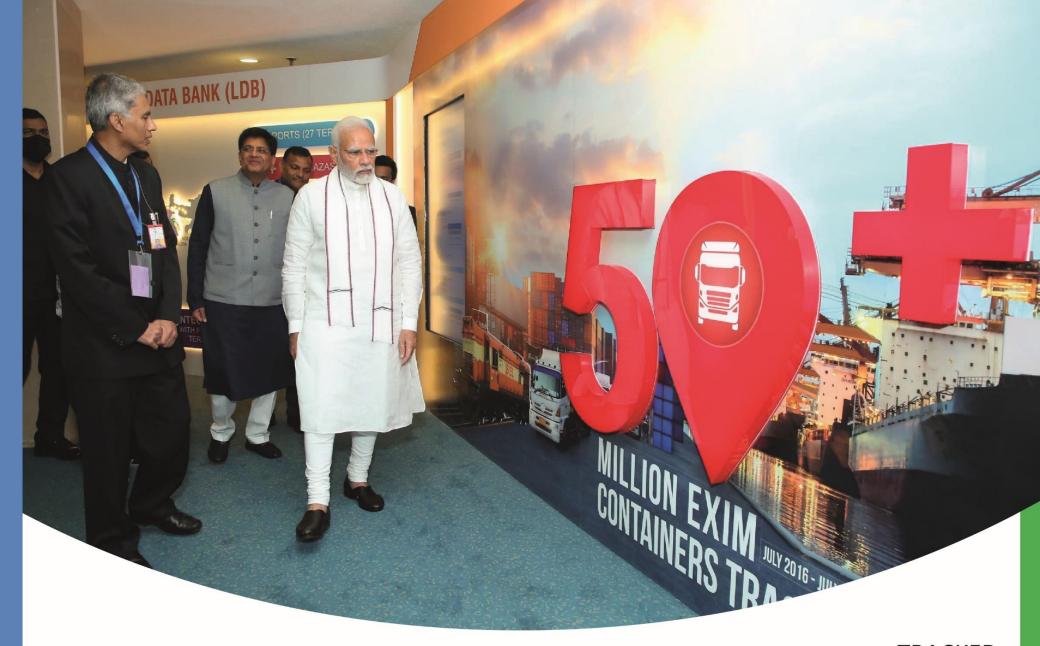
SOUTHERN REGION

TOP PERFORMER - PAN INDIA AMJ '23



Bharat Mumbai Container Terminal (PSA)





SHOWCASING THE PROGRESS OF EXIM CONTAINER TRACKING

TRACKED **50+ MILLION** CONTAINERS



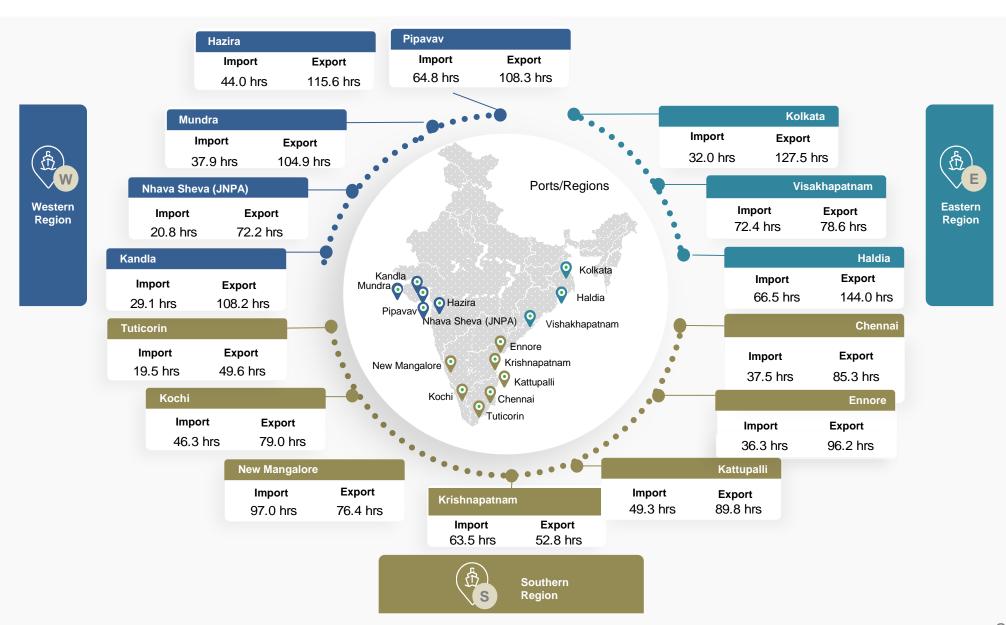
PAN INDIA PORT PERFORMANCE



SHOWCASING THE LIVE DEMO OF "TRACK YOUR TRANSPORT" APP AT LDB EXHIBITION

PAN India Performance Snapshot: AMJ 2023 (Dwell Time)





Page 8



ULIP LAUNCHED ON 17TH SEPTEMBER 2022 AS PART OF **NATIONAL LOGISTICS POLICY**



PORT DWELL TIME PERFORMANCE



Port Dwell Time Performance- Western Region





Port Dwell Time Performance- Southern Region





Port Dwell Time Performance- Eastern Region







CRITICAL INCIDENT SUMMARY





Critical Incident Summary



Western Region

Month	Import Dwell Time	Export Dwell Time	CFS Dwell Time	ICD Dwell Time
AMJ'23	27.4	86.7	86.9	130.8
JFM'23	28.1	84.4	81.2	123.1
AMJ'22	25.7	92.0	86.4	119.5

- Overall container handling performance in Import Cycle has improved by 2.4% from last quarter and deteriorated by 6.7% from last year & Export Cycle deteriorated by 2.8% from last quarter and improved by 5.8% from last year.
- Overall container handling performance at CFS has deteriorated by 7.1% from last quarter and 0.6% from last year. Also, ICD performance has deteriorated by 6.3% from last quarter and 9.4% from last year.

Southern Region

Month	Import Dwell Time	Export Dwell Time	CFS Dwell Time
AMJ'23	37.7	77.9	108.0
JFM'23	39.1	80.9	102.5
AMJ'22	36.7	96.2	105.0

- Overall container handling performance in Import Cycle has improved by 3.6% from last quarter and deteriorated by 2.8% from last year & Export Cycle has improved by 3.7% from last quarter and 19.0% from last year.
- Overall container handling performance at CFS has deteriorated by 5.4% from last quarter and 2.9% from last year.

Eastern Region

Month	Import Dwell Time	Export Dwell Time	CFS Dwell Time
AMJ'23	50.6	99.0	143.3
JFM'23	43.3	100.3	126.0
AMJ'22	53.7	106.9	86.4

- Overall container handling performance in Import Cycle has deteriorated by 16.8% from last quarter and improved by 5.8% from last year & Export Cycle has improved by 1.3% from last quarter and 7.4% from last year.
- Overall container handling performance at CFS has deteriorated by 13.7% from last quarter and 65.9% from last year.









PORT PERFORMANCE

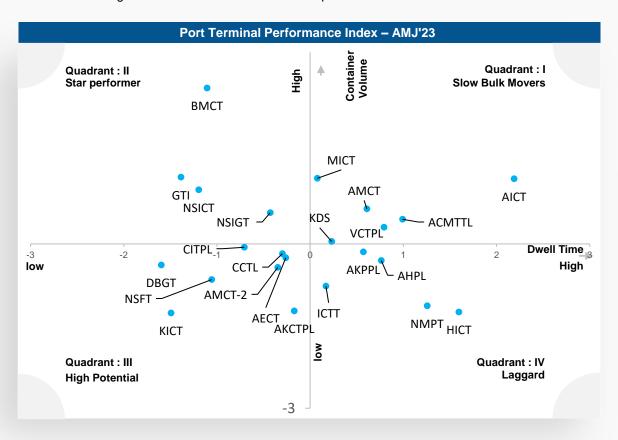
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Pan India - Port Performance Benchmarking & Performance Index



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 AMJ'23

Top Performing Terminal			
Bharat Mumbai Container Terminals(PSA)			
AMJ'23			
41.3 hrs			
Low Performing Terminal			
Low Performing Terminal			
Low Performing Terminal Haldia International Container Terminal (HICT)			

Performance Index - Summary

In order to assess the relative performance of various entitled 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

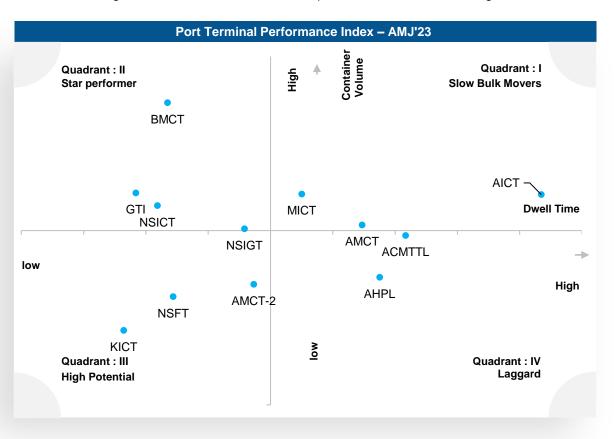
Consist of entities which have catered relatively lower container volume at higher dwell time

Port Performance Benchmarking & Performance Index - Western Corridor



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 AMJ'23

Top Performing Terminal			
Bharat Mumbai Container Terminals(PSA)			
AMJ'23			
41.3 hrs			
Low Performing Terminal			
Low Performing Terminal			
Low Performing Terminal Adani Hazira Port Private Limited (AHPPL)			

Performance Index - Summary

In order to assess the relative performance of various entitied 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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Slow Bulk Movers

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

High Potential

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

Laggard

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

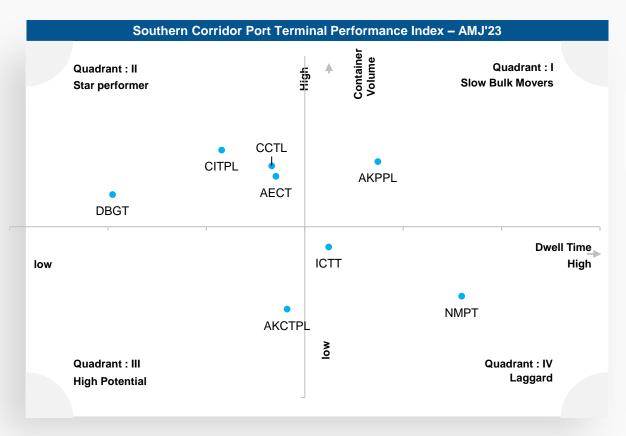
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Port Performance Benchmarking & Performance Index - Southern Corridor



Performance Benchmarking – Port Terminals

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



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

Top Performing Terminal			
Dakshin Bharat Gateway Terminal (DBGT)			
AMJ'23			
32.3 hrs			
Low Performing Terminal			
Low Performing Terminal			
Low Performing Terminal New Manglore Port Trust			
· · · · · · · · · · · · · · · · · · ·			

Performance Index - Summary

In order to assess the relative performance of various entitled 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

Slow Bulk Movers Consist of entities whi

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

High Potential

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

Laggard

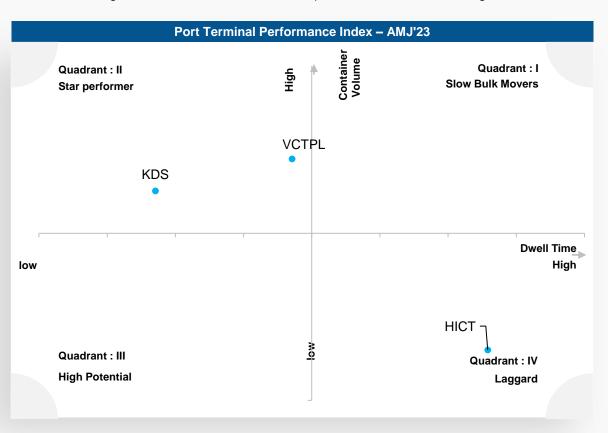
Consist of entities which have catered relatively lower container volume at higher dwell time

Port Performance Benchmarking & Performance Index - Eastern Corridor



Performance Benchmarking - Port Terminals

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



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

Top Performing Terminal			
Kolkata Dock System (KDS), Kolkata Port			
AMJ'23			
65.7 hrs			
Low Performing Terminal			
Low Performing Terminal			
Low Performing Terminal Haldia International Container Terminal (HICT)			
· · · · · · · · · · · · · · · · · · ·			

Performance Index - Summary

In order to assess the relative performance of various entitied 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

_aggard

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

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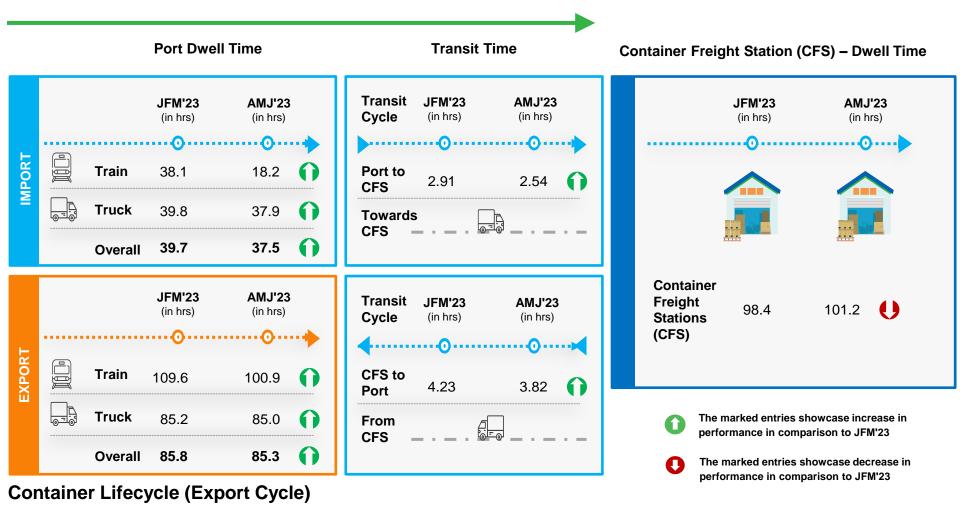


INDIVIDUAL TERMINAL PERFORMANCE IN SOUTHERN CORRIDOR

Chennai Port Terminal: Container Transportation



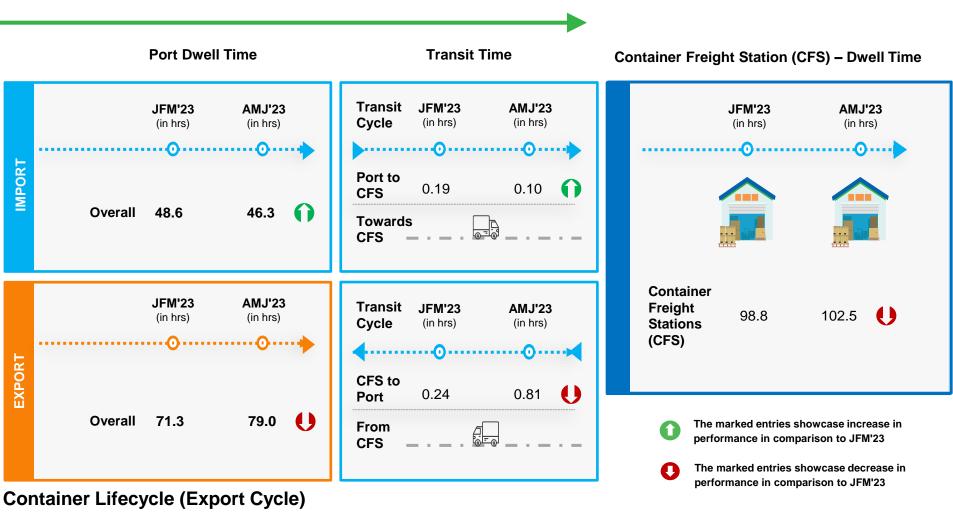
Container Lifecycle (Import Cycle)



Kochi Port Terminal: Container Transportation



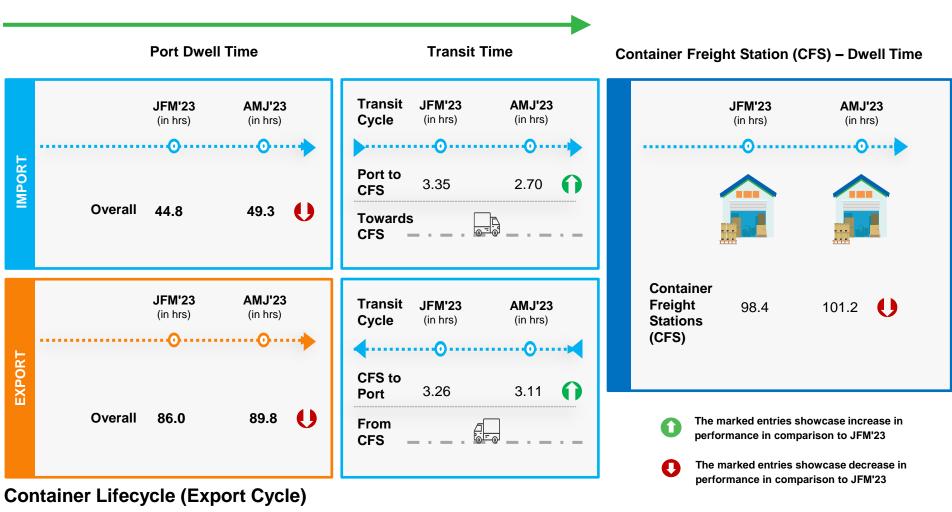
Container Lifecycle (Import Cycle)



Kattupalli Port Terminal: Container Transportation



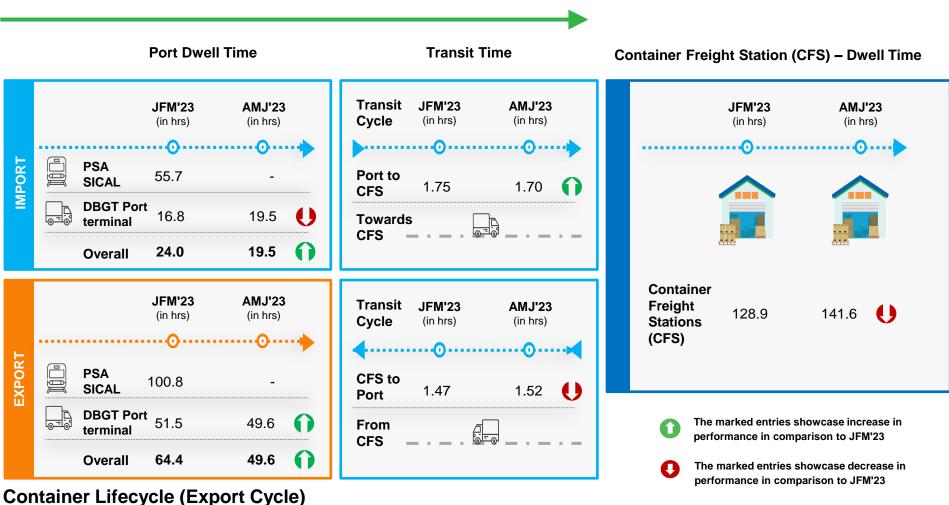
Container Lifecycle (Import Cycle)



Tuticorin Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



Krishnapatnam Port Terminal: Container Transportation



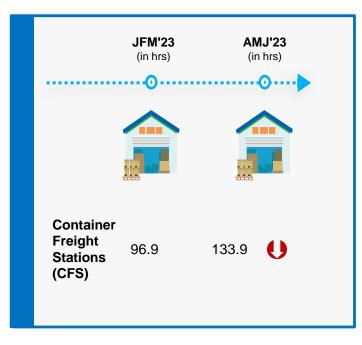
Container Lifecycle (Import Cycle)

Port Dwell Time



Container Lifecycle (Export Cycle)

Container Freight Station (CFS) - Dwell Time



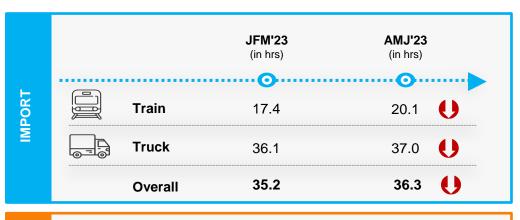
- The marked entries showcase increase in performance in comparison to JFM'23
- The marked entries showcase decrease in performance in comparison to JFM'23

Ennore Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)

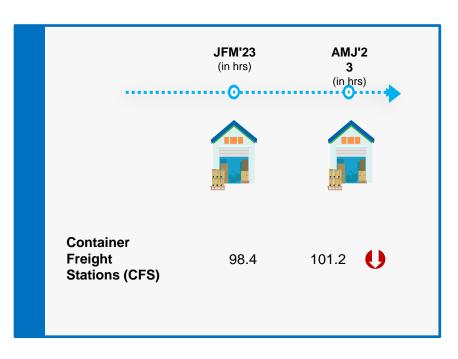
Port Dwell Time





Container Lifecycle (Export Cycle)

Container Freight Stations(CFS)- Dwell Time



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

New Mangalore Port Terminal: Container Transportation



Port Dwell Time



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



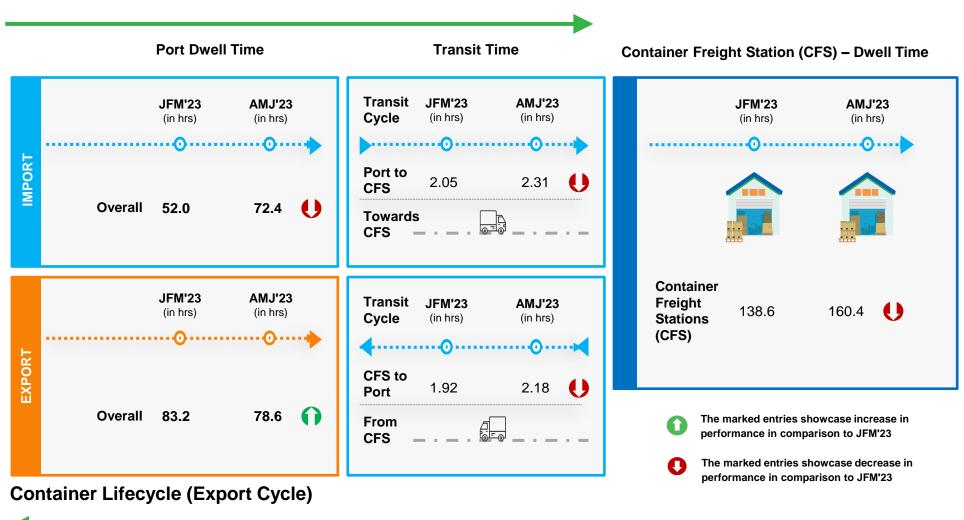
INDIVIDUAL TERMINAL PERFORMANCE IN EASTERN CORRIDOR



Visakhapatnam Port Terminal: Container Transportation



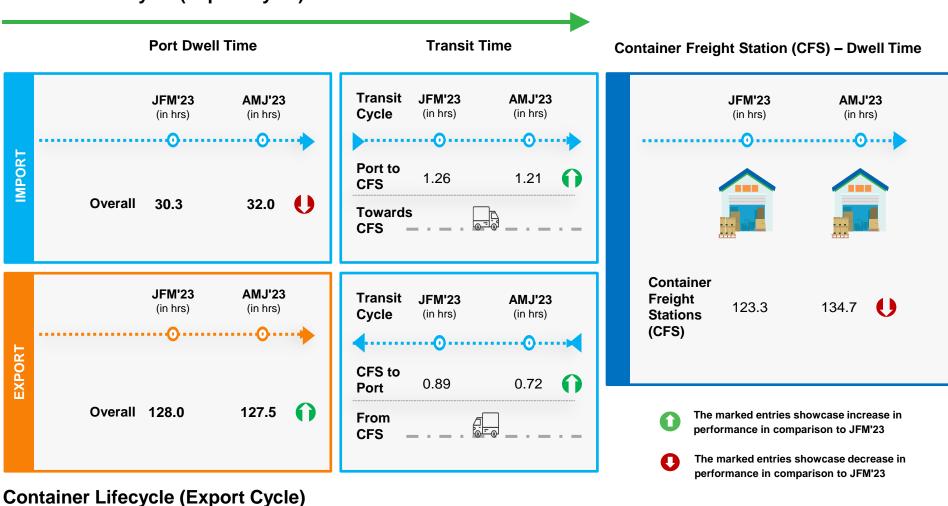
Container Lifecycle (Import Cycle)



Kolkata Port Terminal: Container Transportation



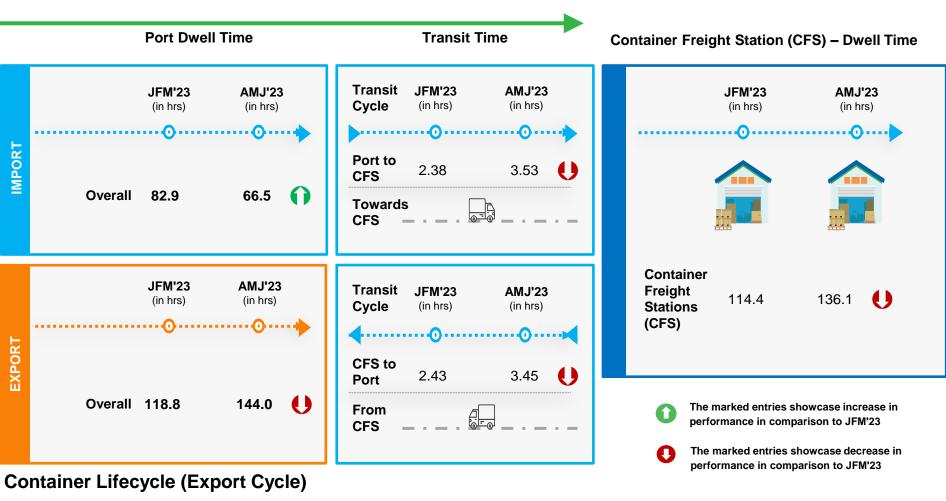
Container Lifecycle (Import Cycle)



Haldia Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)





INDIVIDUAL TERMINAL PERFORMANCE IN WESTERN CORRIDOR

Pipavav Port Terminal: Container Transportation



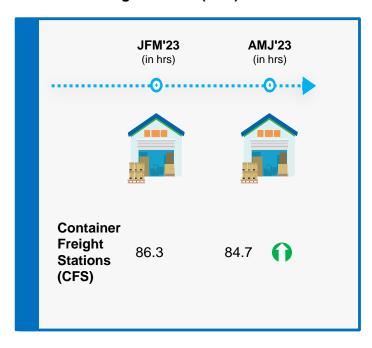
Container Lifecycle (Import Cycle)

Port Dwell Time



Container Lifecycle (Export Cycle)

Container Freight Station (CFS) - Dwell Time



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

Kandla Port Terminal: Container Transportation



Port Dwell Time



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

Hazira Port Terminal: Container Transportation



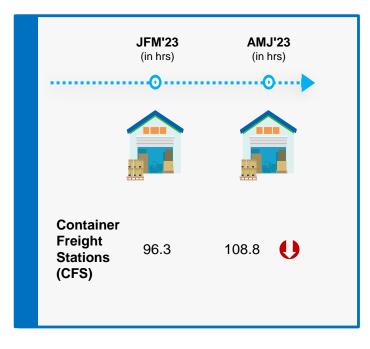
Container Lifecycle (Import Cycle)

Port Dwell Time



Container Lifecycle (Export Cycle)

Container Freight Station (CFS) - Dwell Time

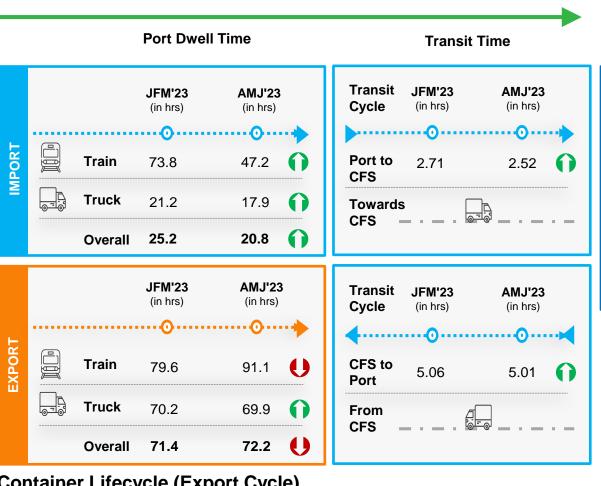


- The marked entries showcase increase in performance in comparison to JFM'23
- The marked entries showcase decrease in performance in comparison to JFM'23

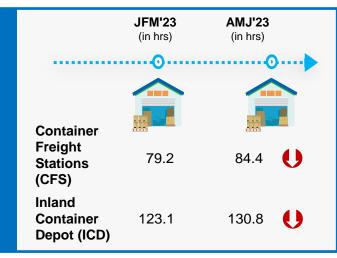
JNPA Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



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



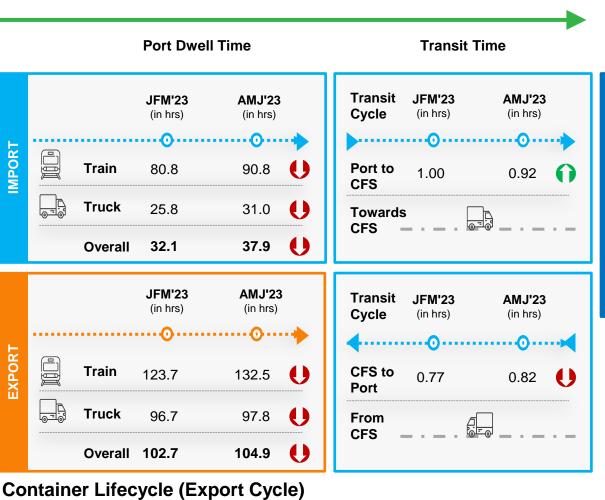
- The marked entries showcase increase in performance in comparison to JFM'23
- The marked entries showcase decrease in performance in comparison to JFM'23

Container Lifecycle (Export Cycle)

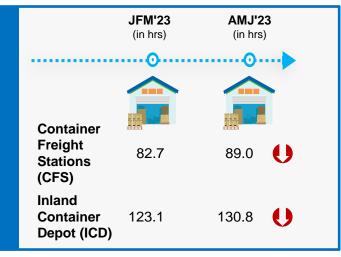
Mundra Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



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



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

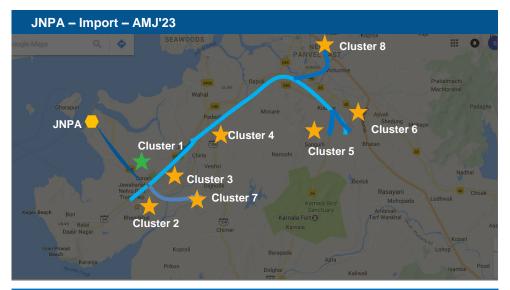


CONGESTION ANALYSIS



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 bottlen	eck			
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			

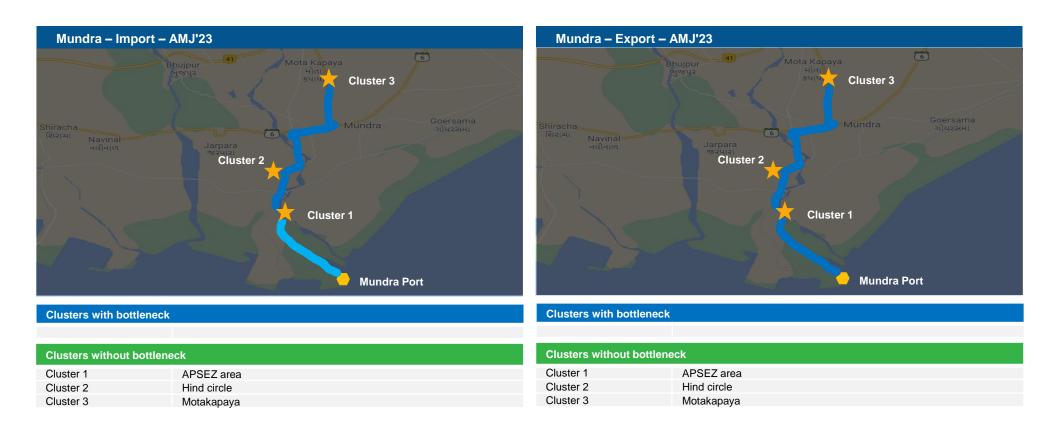
★ Cluster with bottleneck Legends Medium Congestion Low Congestion Cluster without bottleneck **High Congestion**

Mundra Region: Congestion Analysis

Legends

High Congestion





Medium Congestion Low Congestion

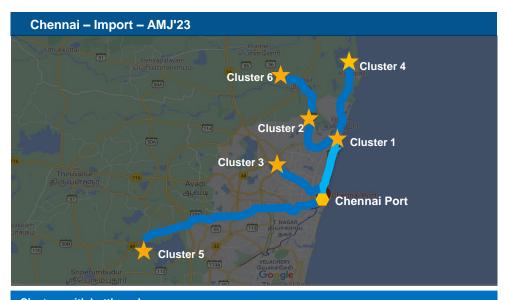
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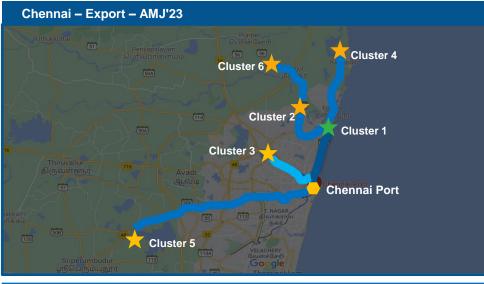
★ Cluster with bottleneck

Cluster without bottleneck

Chennai Region: Congestion Analysis







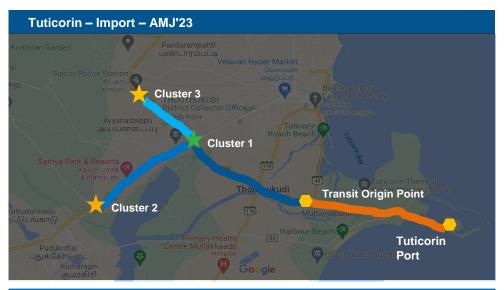
Ciusters with bottleneck	
Clusters without bottlene	ck
Cluster 1	Chennai port bound area
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

Clusters with bottleneck			
Cluster 1	Chennai port bound area		
Clusters without bottleneck			
Cluster 2	Ennore port bound area		
Cluster 4	Kattupalli port bound area		
Cluster 3	Chennai central area		
Cluster 5	Chennai automotive industry area (Irungatukottai)		
Cluster 6	Thiruvallur Outer city bound area		

★ Cluster with bottleneck Legends Low Congestion Cluster without bottleneck Medium Congestion **High Congestion**

Tuticorin Region: Congestion Analysis







Clusters with bottleneck

Periyanayagapuram, Thoothukudi near by Madurai road

Clusters without bottleneck

Cluster 2	Tirunelveli road near by Podukottai
Cluster 3	Sipcot area near by Madurai road

Clusters with bottleneck

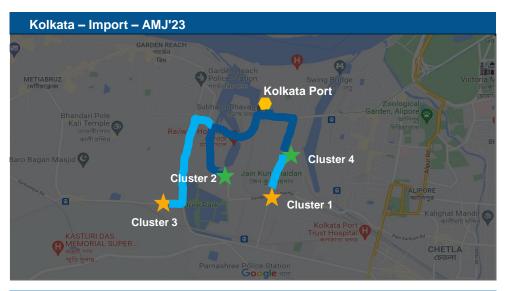
Clusters without bottleneck

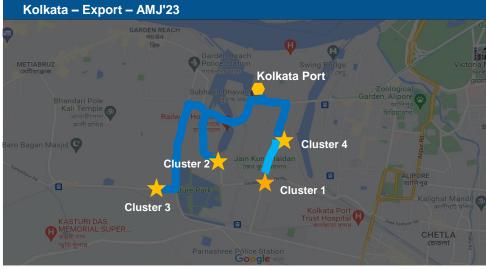
Cluster 1	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 2	Tirunelveli road near by Podukottai
Cluster 3	Sipcot area near by Madurai road

Medium Congestion Low Congestion Cluster with bottleneck Cluster without bottleneck Legends Within Port Movement High Congestion

Kolkata Region: Congestion Analysis







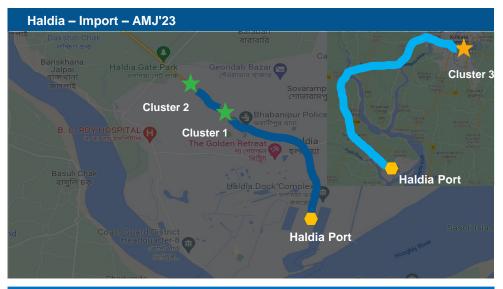
Clusters with bottleneck				
Cluster 2	Sonapur road area			
Cluster 4	Cluster 4 Babu bazar area			
Clusters without bottlene	eck			
Clusters without bottlene Cluster 1	Base bridge area			

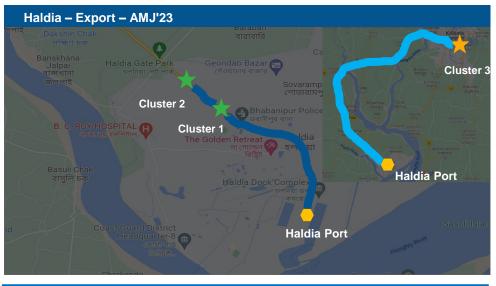


Low Congestion Cluster with bottleneck Cluster without bottleneck Medium Congestion Legends **High Congestion**

Haldia Region: Congestion Analysis

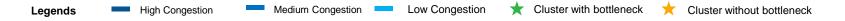






Clusters with bottleneck			
Cluster 1	Talpukur area, Kolkata highway		
Cluster 2 City centre area, Kolkata highway			
Clusters without bottlen	eck		
Cluster 3	Silpodanga area		





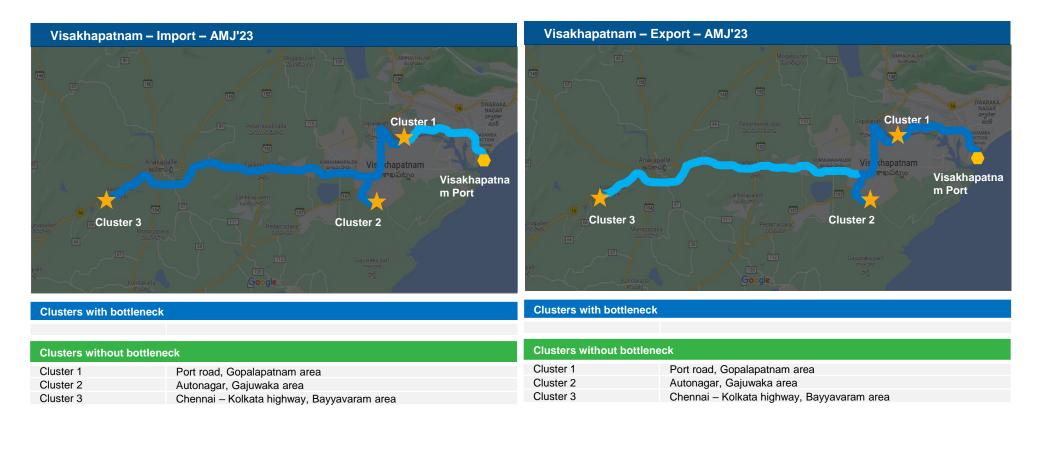
Visakhapatnam Region: Congestion Analysis

Medium Congestion

Legends

High Congestion





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Low Congestion

Cluster with bottleneck

Cluster without bottleneck



TRANSIT MOVEMENT ACROSS ICPs



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

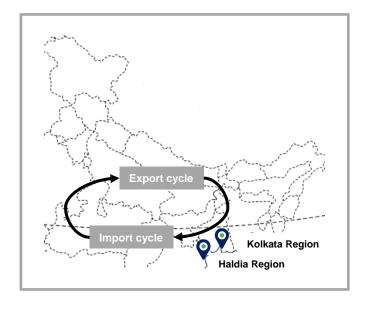
Kolkata Port Terminal

	Noikata Port Terrimai				
	Mode	ICP Raxaul			
	Overall	115.1 hrs			
Import Cycle	Road	140.9 hrs			
	Rail	109.0 hrs			
트	Haldia Port Terminal				
	Mode	ICP Raxaul			
	Overall	120.3 hrs			

120.3 hrs

Kolkata Port Terminal

Mode	ICP Raxaul
Overall	3727.9 hrs
Road	3224.3 hrs
Rail	3764.9 hrs
Haldia Port	Terminal
Mode	ICP Raxaul
Overall	-
	Overall Road Rail Haldia Port





HIGHWAY CONGESTION ANALYSIS



Highways Congestion Analysis



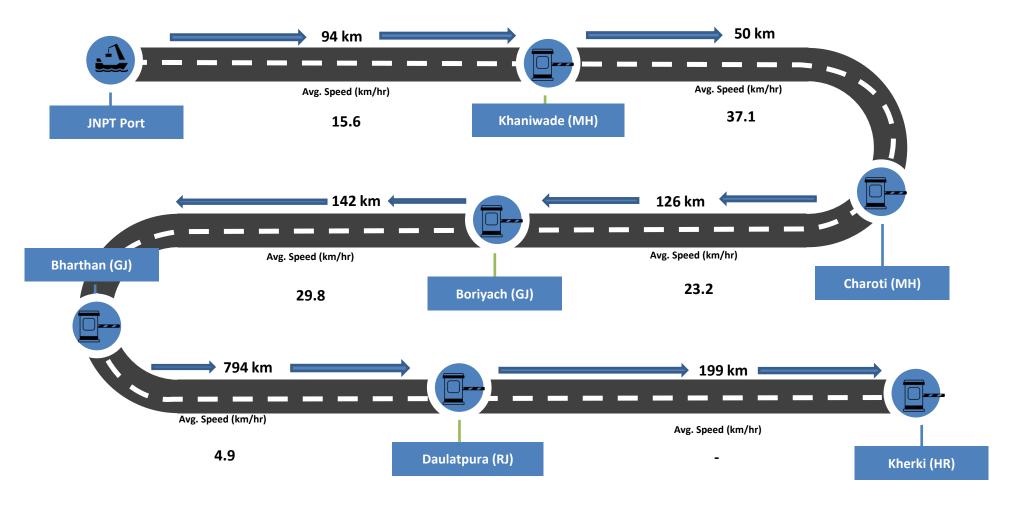
Below table depicts the Average Speed (in km/ hr) starting from ports and in between toll plazas:

	C	Destination	Distance	Average Speed (Km/ hr)	
	Source Destination		(Km)	JFM'23	AMJ'23
	JNPA Port	Khaniwade	94	15.3	15.6
	Khaniwade	Charoti	50	37.5	37.1
P P A	Charoti	Boriach	126	25.7	23.2
JNPA To Delhi	Boriach	Bharthan	142	32.7	29.8
	Bharthan	Daulatpura	794	4.9	4.9
	Daulatpura	Kherki	199	-	-
<u>ت</u> م	Mundra Port	Mokha	28	22.6	23.0
Mundra To Delhi	Mokha	Makhel	150	27.6	24.4
Σ "	Makhel	Bhalgam	108	33.5	35.0
	Vizag Port	Nathavalasa	62	-	5.7
	Nathavalasa	Manguli	413	17.3	15.0
_ g	Manguli	Panikholi	56	33.2	32.8
Vizag To Kolkata	Panikholi	Rampura	216	24.0	21.8
	Rampura	Debra	34	34.4	36.4
	Debra	Jaladhalgori	77	34.6	32.7
	Jaladhalgori	Dankuni	28	1.2	0.6

Note: Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.



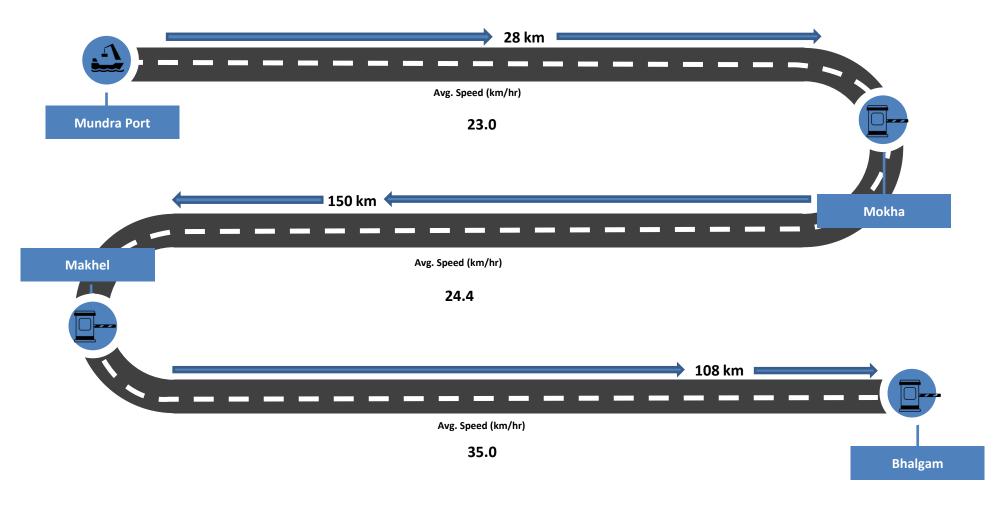
JNPT – Delhi Route: Hourly Speed Analysis



Note: Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.



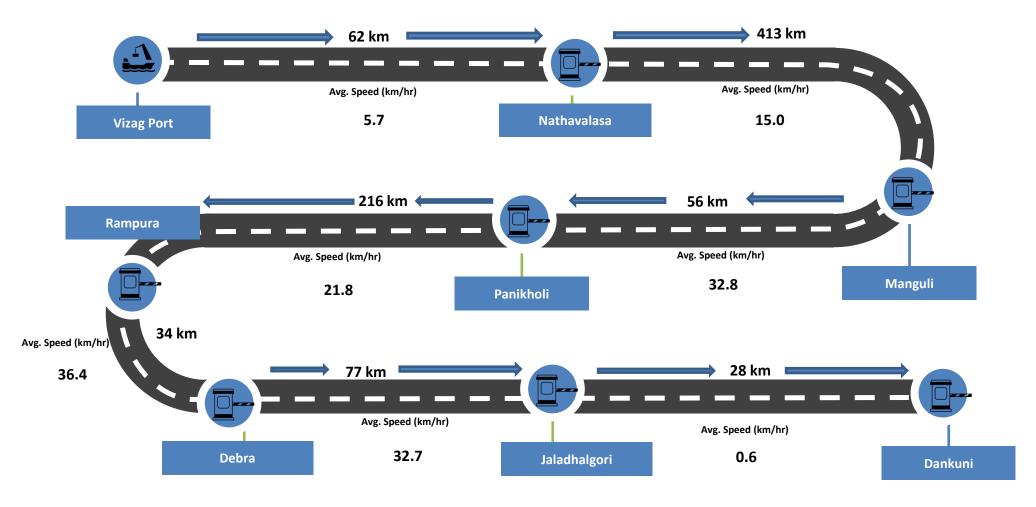
Mundra – Delhi Route: Hourly Speed Analysis



Note: Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.



Vizag – Kolkata Route: Hourly Speed Analysis



Note: Average Speed is calculated based on the transit time(in-out timestamps). It depicts the transit time between two source and destinations toll plazas.

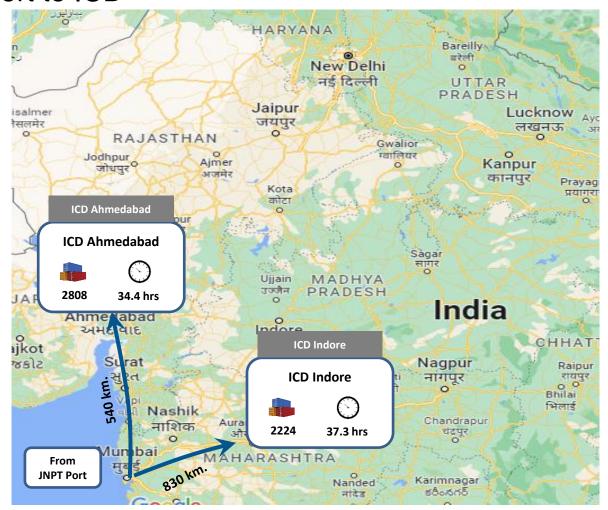


PORT TO ICD





JNPT Port to ICD

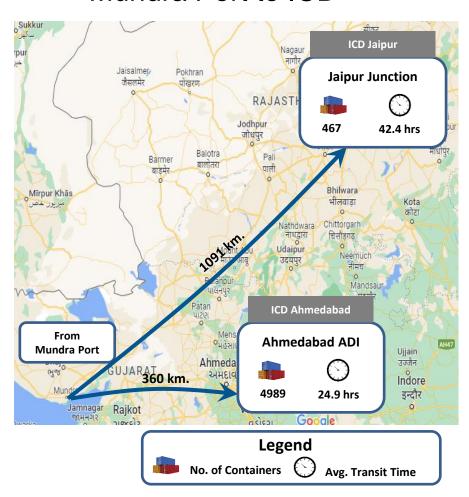




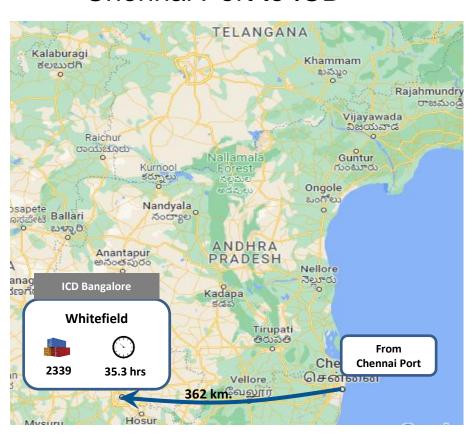
Note: Due to data discrepancy, ICD Kanpur and ICD Jaipur have been removed.



Mundra Port to ICD



Chennai Port to ICD



Note: ICD Whitefield has no volume thus left blank.



DATA SOURCE

- TOS and RFID Timestamps Data is considered for calculation of Port Dwell Time.
- RFID Data is considered for calculation of CFD Dwell
 Time, Transit Time and Congestion Analysis.
- FOIS Data is considered for calculation of Port to ICD
 Transit Time



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