

Logistics Databank Analytics Report

October 2022







# Section

# Report Inference

This sections depicts the inference and major highlights of the report

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

Section

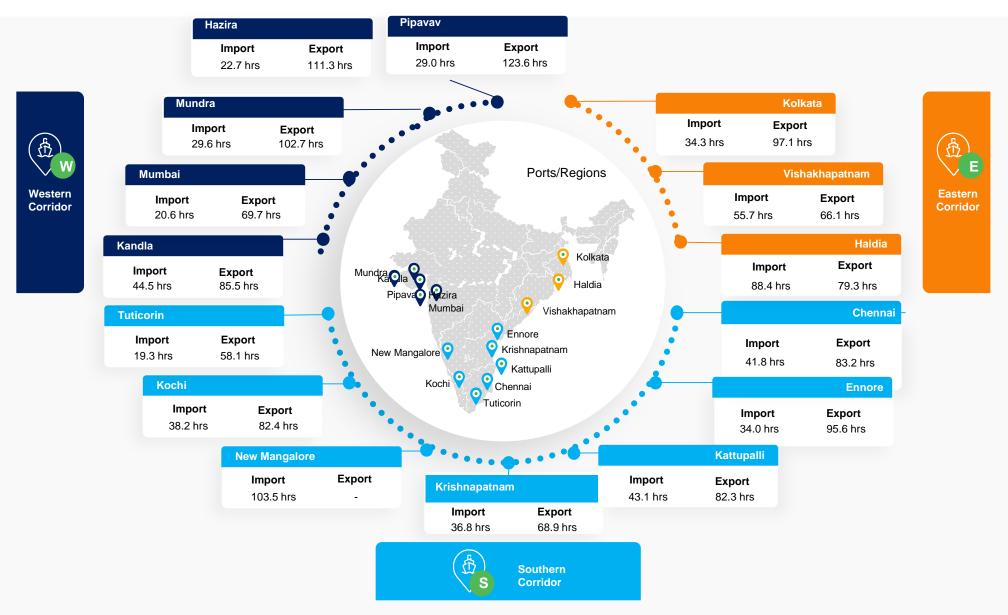
#### Annexure

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
- Individual Terminal Performance In Western Corridor
- 4. Congestion Analysis
- 5. Analysis of Container Movement across India

# PAN INDIA Performance Snapshot: October 2022 (Dwell Time)

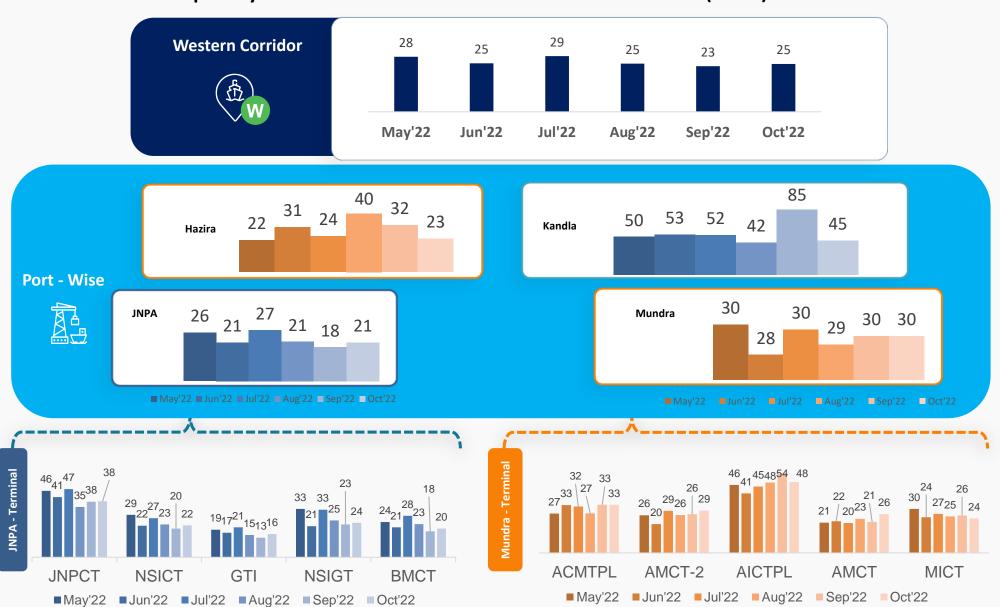




# Port Dwell Time Performance – Western Corridor (Import Cycle)



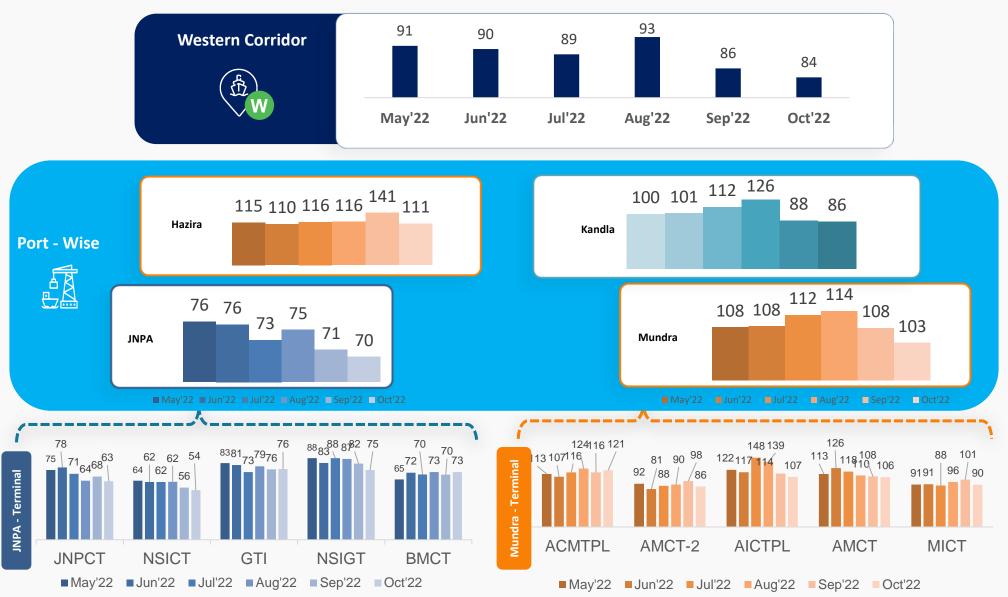
#### Import Cycle – Dwell Time Performance – Western Corridor (in hrs)



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



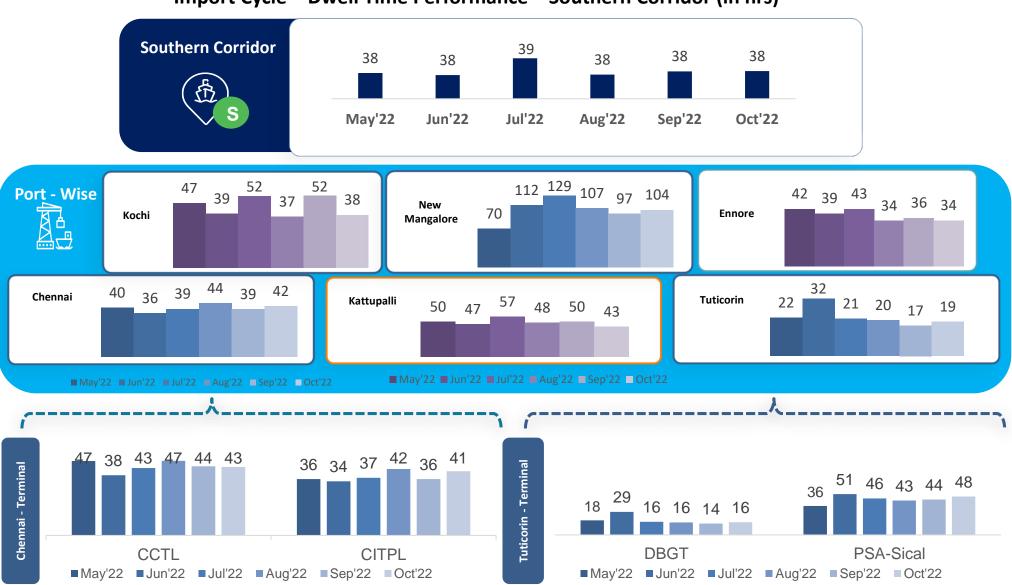
#### **Export Cycle – Dwell Time Performance – Western Corridor (in hrs)**



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



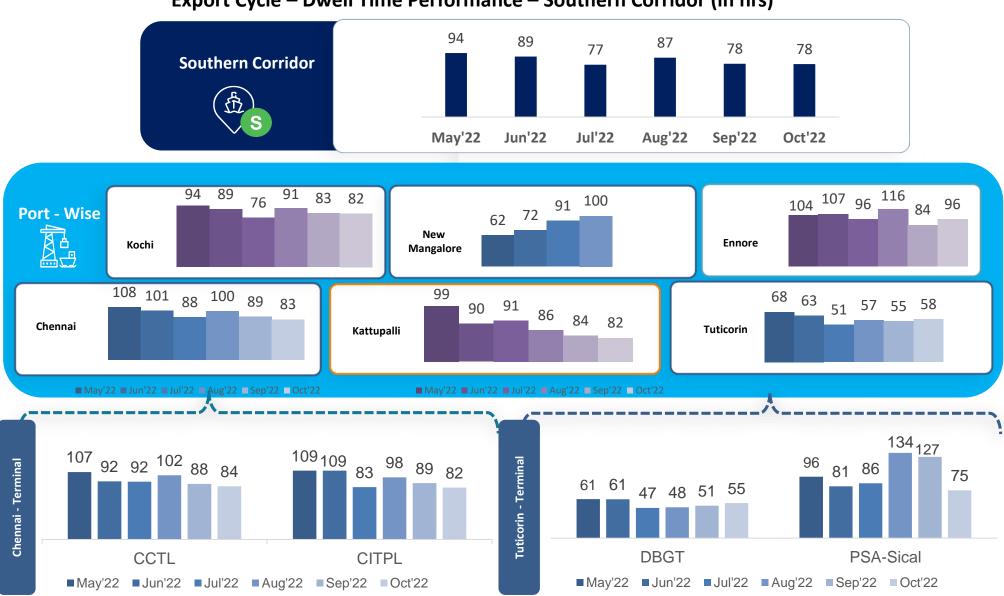
Import Cycle – Dwell Time Performance – Southern Corridor (in hrs)



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



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



## Port Dwell Time Performance – Eastern Corridor





#### **Export Cycle (in hrs)**

**Eastern Corridor** 

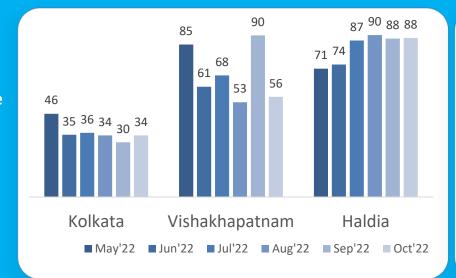


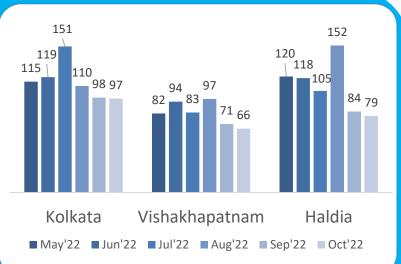




**Port - Wise** 

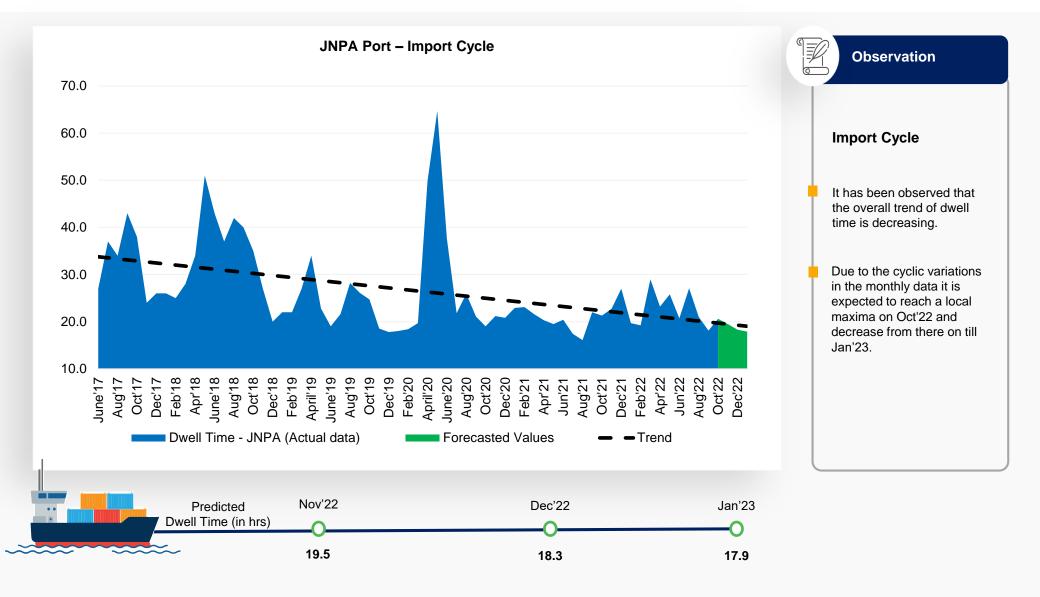






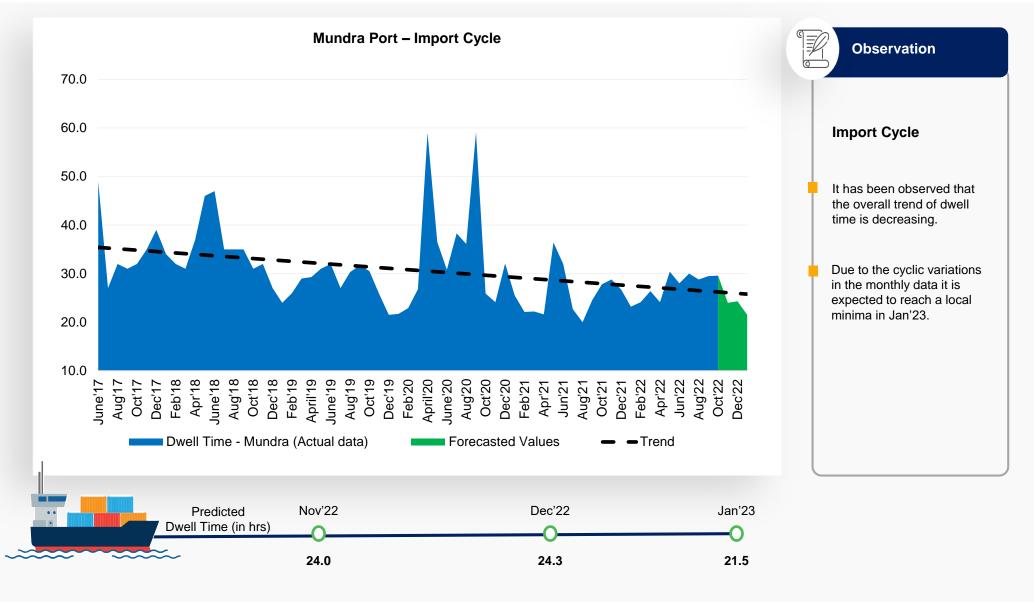
# Predictive Analysis: JNPA Port





# Predictive Analysis: Mundra Port





# **Critical Incident Summary**



#### Western Corridor

- The Overall container handling performance in Western Corridor in Import Cycle has deteriorated by 4.7% & Export Cycle has improved by 2.2%.
- The container handling performance at CFS has improved by 0.8%. Also, ICD performance has improved by 4.3%.

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Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Oct'22	24.5 hrs	84.2 hrs	82.8 hrs	111.5 hrs
Sep'22	23.4 hrs	86.1 hrs	83.5 hrs	116.5 hrs

# Southern Corridor

- The Overall container handling performance in Southern Corridor in Import Cycle has deteriorated by 0.3% & in Export Cycle has improved by 0.5%.
- The container handling performance at CFS has deteriorated by 7.2%

Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
Oct'22	38.1 hrs	78.0 hrs	104.8 hrs
Sep'22	38.0 hrs	78.4 hrs	97.8 hrs

# **Eastern Corridor**

- The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 4.2% and Export Cycle has improved by 3.6%.
- The container handling performance at CFS has improved by 3.6%.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
Oct'22	46.9 hrs	80.2 hrs	136.7 hrs
Sep'22	45.0 hrs	83.2 hrs	141.8 hrs

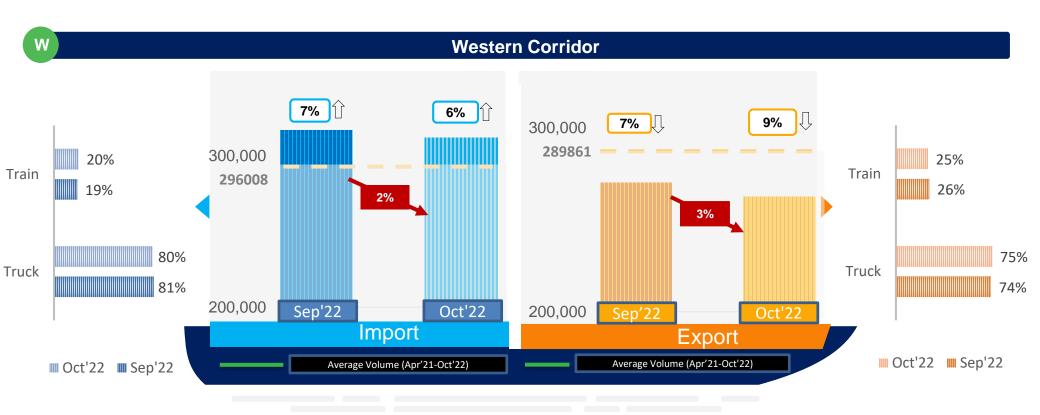
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# Covid-19 Impact – Western Corridor



Below graphs depicts the change in volume percentage during the month of October'22 w.r.t the last month i.e., September'22 and the average EXIM corridor wise volume.

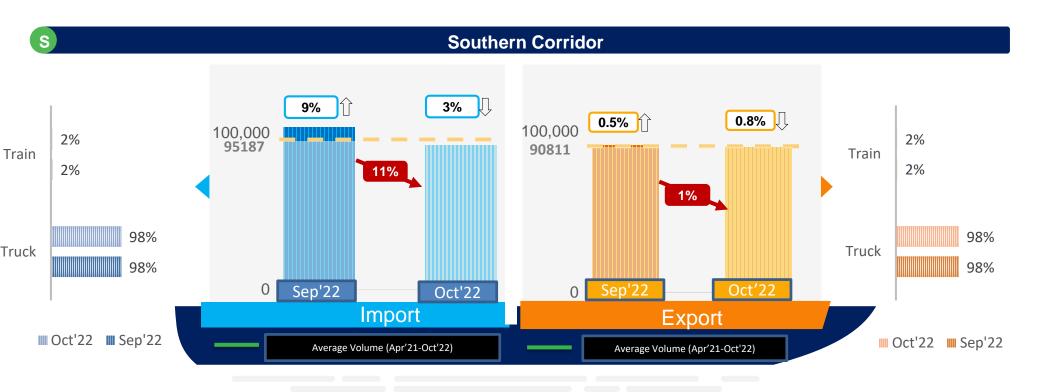


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# Covid-19 Impact – Southern Corridor



Below graphs depicts the change in volume percentage during the month of October'22 w.r.t the last month i.e., September'22 and the average EXIM corridor wise volume.

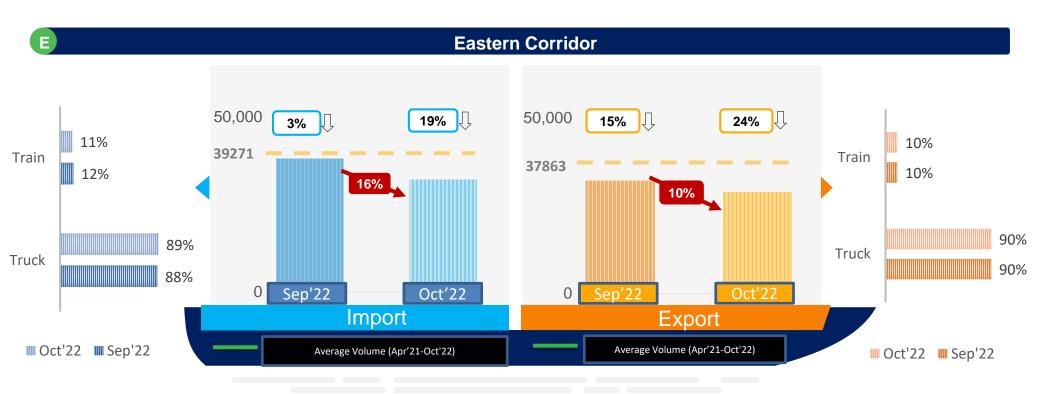


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# Covid-19 Impact – Eastern Corridor



Below graphs depicts the change in volume percentage during the month of October'22 w.r.t the last month i.e., September'22 and the average EXIM corridor wise volume.



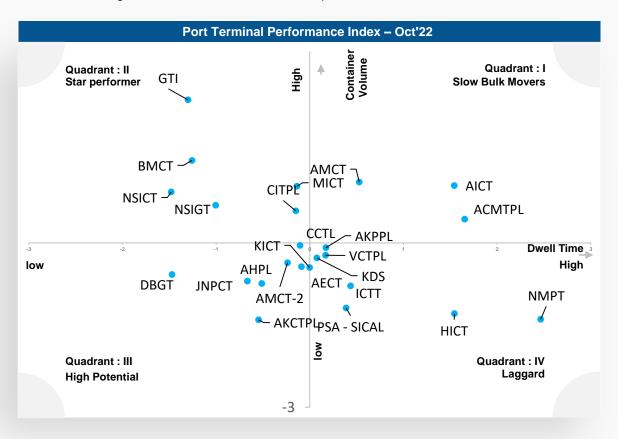
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# Pan India - Port Performance Benchmarking & Performance Index



#### **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 Oct'22

LDB project for Oct'22				
Top Performing Terminal				
Gateway Terminals India (GTI)				
Sep'22	Oct'22			
38.0 Hrs	35.4 Hrs.			
Low Performing Terminal				
New Manglore Port Trust (NMPT)				
Sep'22	Oct'22			
94.1 Hrs	100.0 Hrs			
Note: The performance benchmarking is based on performance index  The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22				
Performance Index Summery				

#### 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

#### Laggard

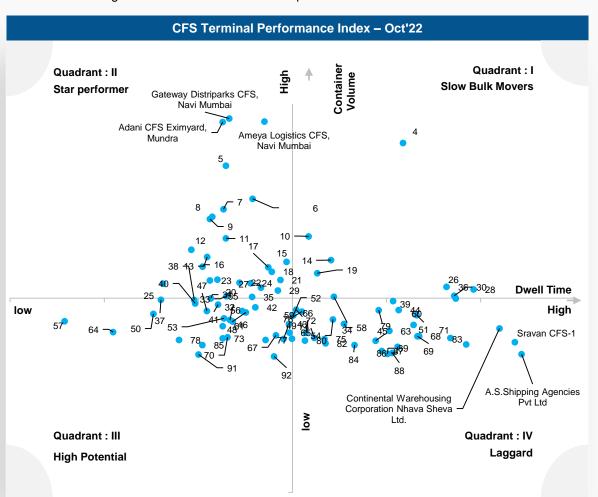
Consist of entities which have catered relatively lower container volume at higher dwell time

# 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 Oct'22

Top Three Performing CFSs			
CFS Name	Sep'22	Oct'22	
Gateway Distriparks CFS, Navi Mumbai	82.7 Hrs	81.3 Hrs 👚	
Adani CFS Eximyard, Mundra	74.6 Hrs	79.4 Hrs 👢	
Ameya Logistics CFS, Navi Mumbai	86.5 Hrs	91.5 Hrs 👢	
Rottom Thron Borforming CESs			

Bottom Three Performing CFSs		
CFS Name	Sep'22	Oct'22
Continental Warehousing Corporation Nhava Sheva Ltd.	146.0 Hrs	159.9 Hrs 👢
Sravan CFS-1	176.9 Hrs	164.4 Hrs 👚
A.S.Shipping Agencies Pvt Ltd	141.5 Hrs	166.3 Hrs 👢



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22

#### **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

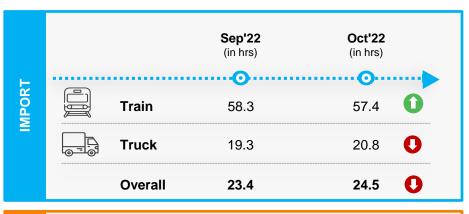
#### Laggard

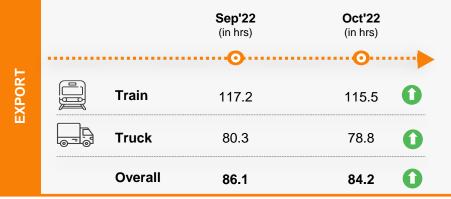
Consist of entities which have catered relatively lower container volume at higher dwell time

# Container Transportation Performance - Western Corridor

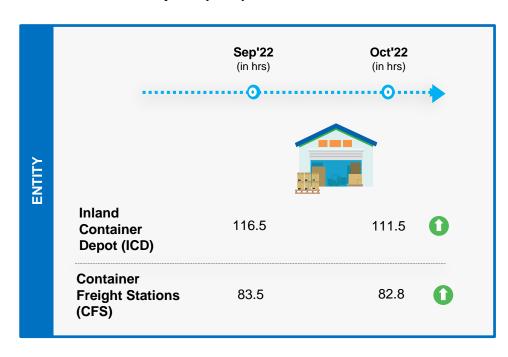


#### **Port Dwell Time**





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



The marked entries showcase increase in performance in comparison to Sep'22

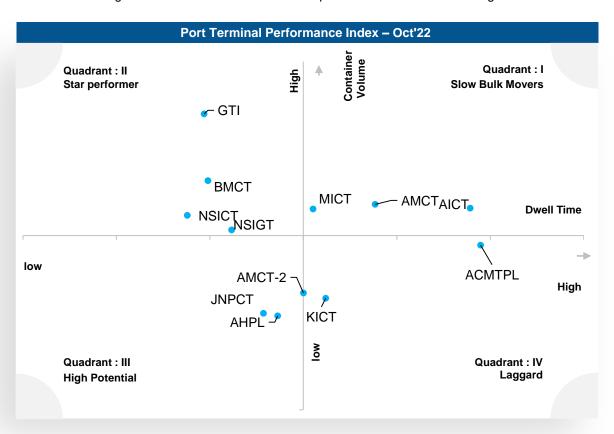
The marked entries showcase decrease in performance in comparison to Sep'22

# 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 Oct'22

Top Performing Terminal				
Gateway Terminals India (GTI)				
Sep'22	Oct'22			
38.0 Hrs	35.4 Hrs.			
Low Performing Terminal				
Low Perform	ing Terminal			
	<u> </u>			
	ing Terminal a Terminal (ACMTPL)			
	<u> </u>			
Adani CMA Mundra	a Terminal (ACMTPL)			

Note: The performance benchmarking is based on performance index



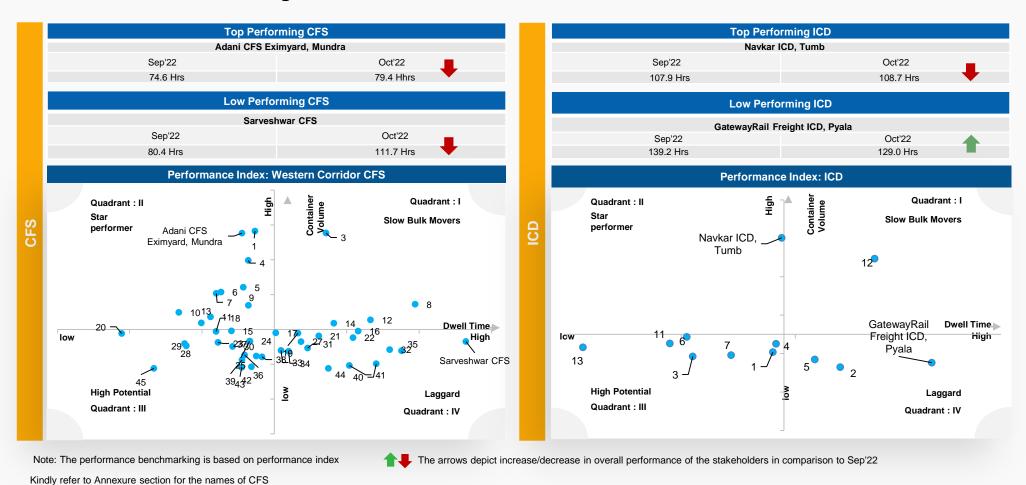
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22

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	Slow Bulk Movers	
Consist of entities which have catered relatively high container volume in lower dwell time	Consist of entities which have catered higher container volume in higher dwell time	
High Potential	Laggard	
Consist of entities which have catered relatively lower container volume in lower dwell time	Consist of entities which have catered relativ lower container volume at higher dwell time	

# CFS/ICD Performance Benchmarking & Performance Index - Western Corridor



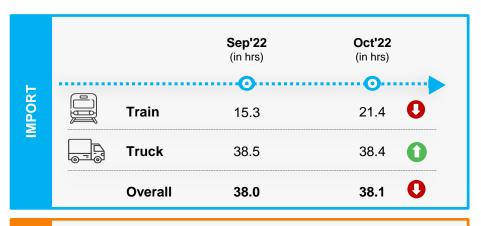
#### **Performance Benchmarking**

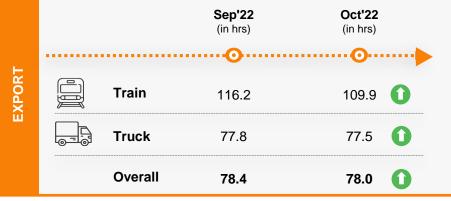


# Container Transportation Performance - Southern Corridor

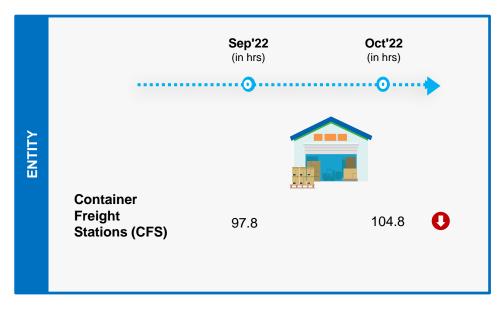


#### **Port Dwell Time**





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



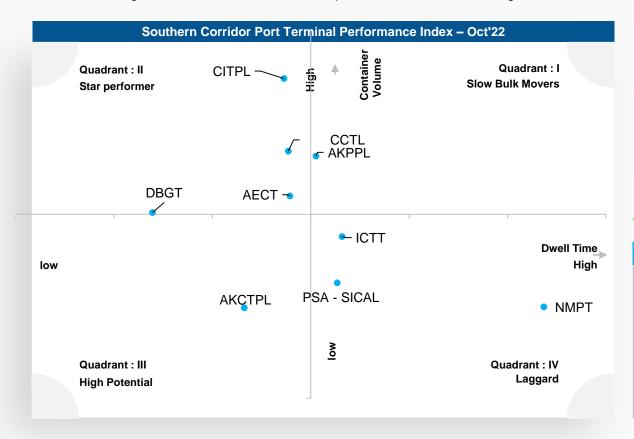
The marked entries showcase increase in The marked entries showcase decrease performance in comparison to Sep'22 in performance in comparison to Sep'22

# 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 Ports covered under LDB project for Oct'22

project for Oct'22				
Top Performing Terminal				
Chennai International Terminals Pvt Ltd (CITPL)				
Sep'22	Oct'22			
52.1 Hrs	55.2 Hrs			
Low Performing Terminal				
New Mangalore Port Trust				
Sep'22	Oct'22			
94.1 Hrs	100.0 Hrs			
Note: The performance benchmarking is based on performance index				
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22				
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	Slow Bulk Movers Consist of entities which have catered			

time

Laggard

higher container volume in higher dwell

Consist of entities which have catered relatively

lower container volume at higher dwell time

high container volume in lower dwell time

lower container volume in lower dwell time

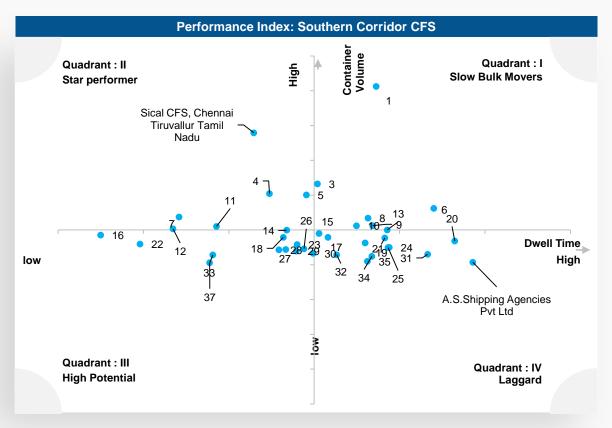
Consist of entities which have catered relatively

**High Potential** 

# CFS Performance Benchmarking & Performance Index - Southern Corridor



#### **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 Oct'22

project in Southern Corridor for Oct'22				
Top Performing CFS				
Sical CFS, Chennai Tiruvallur Tamil Nadu				
Sep'22	Oct'22			
83.6 Hrs	88.1 Hrs			
Low Performing CFS				
A.S.Shipping	Agencies Pvt Ltd			
Sep'22	Oct'22			
141.5 Hrs	166.3 Hrs			
Note: The performance benchmarking is based on performance index				
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22				
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				

Slow Bulk Movers

time

Laggard

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

Consist of entities which have catered relatively

lower container volume at higher dwell time

Star Performer

**High Potential** 

Consist of entities which have catered relatively

Consist of entities which have catered relatively

high container volume in lower dwell time

lower container volume in lower dwell time

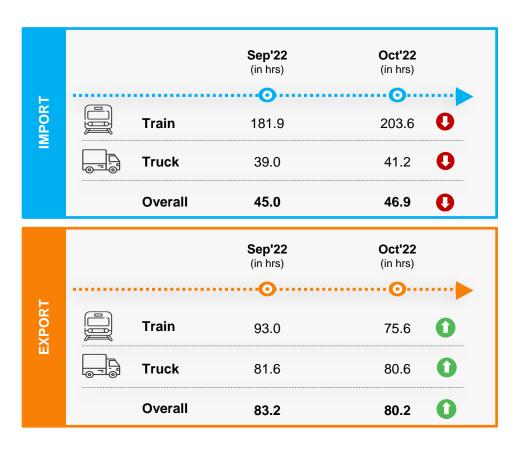
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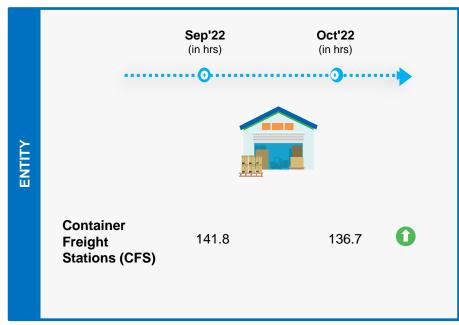
# Container Transportation Performance - Eastern Corridor



#### **Port Dwell Time**

#### **Container Freight Stations(CFS)- Dwell Time**





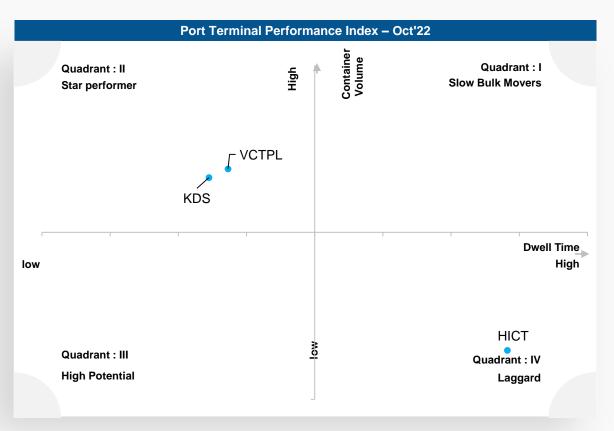
- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

## 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 Ports covered under LDB project in Eastern Corridor for Oct'22

project in Eastern Corridor for Oct'22				
Top Performing Terminal				
Kolkata Dock System (KDS) , Kolkata Port				
Sep'22	Oct'22			
52.2 Hrs	59.1 Hrs			
Low Performing Terminal				
Haldia International Container Terminal (HICT)				
Sep'22	Oct'22			
87.5 Hrs	84.2 Hrs			
Note: The performance benchmarking is based on performance index				
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22				
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	Slow Bulk Movers			
Consist of entities which have catered relatively high container volume in lower dwell time	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

**High Potential** 

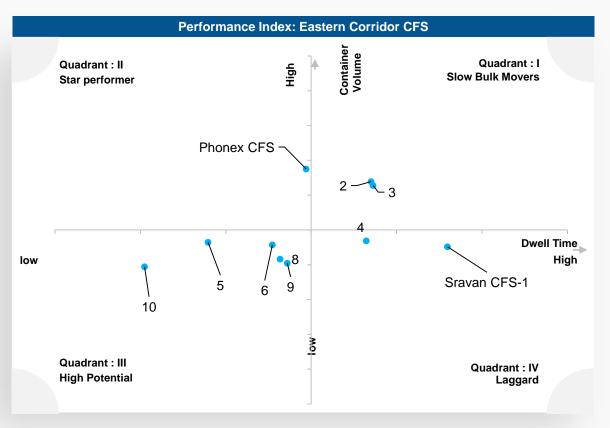
Consist of entities which have catered relatively

lower container volume in lower dwell time

# CFS Performance Benchmarking & Performance Index - Eastern Corridor



#### **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 Oct'22

Top Performing CFS				
Phonex CFS				
Sep'22	Oct'22			
142.7 Hrs	144.5 Hrs			
Low Perfo	rming CFS			
Sravan CFS-1				
Sep'22	Oct'22			
176.9 Hrs	164.4 Hrs			

Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Sep'22

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	
Consist of entities which have catered relatively high container volume in lower dwell time	Consist of entities which have catered higher container volume in higher dwell time
High Potential	Lannard

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

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

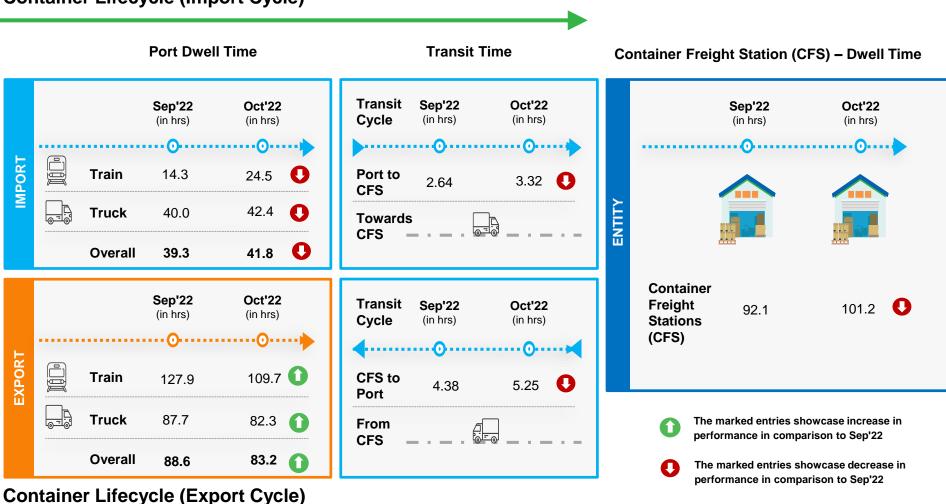




# Chennai Port Terminal: Container Transportation



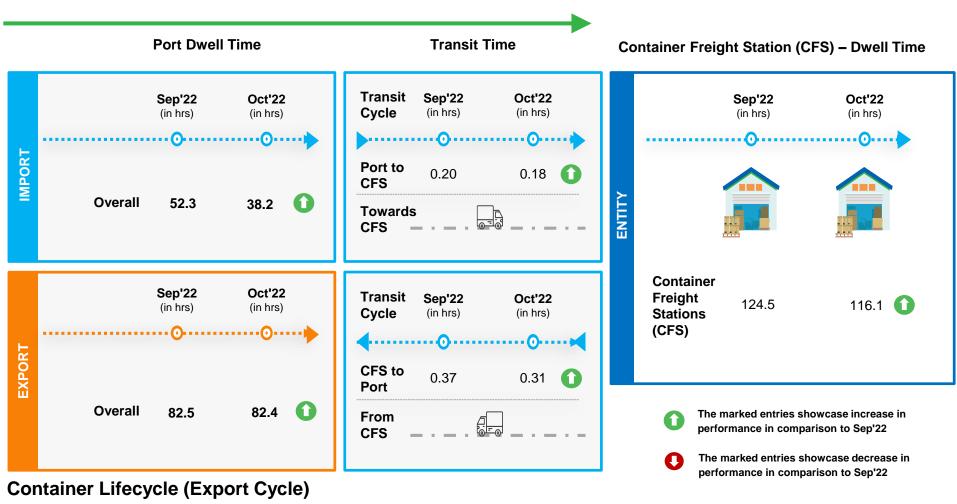
#### **Container Lifecycle (Import Cycle)**



# Kochi Port Terminal: Container Transportation



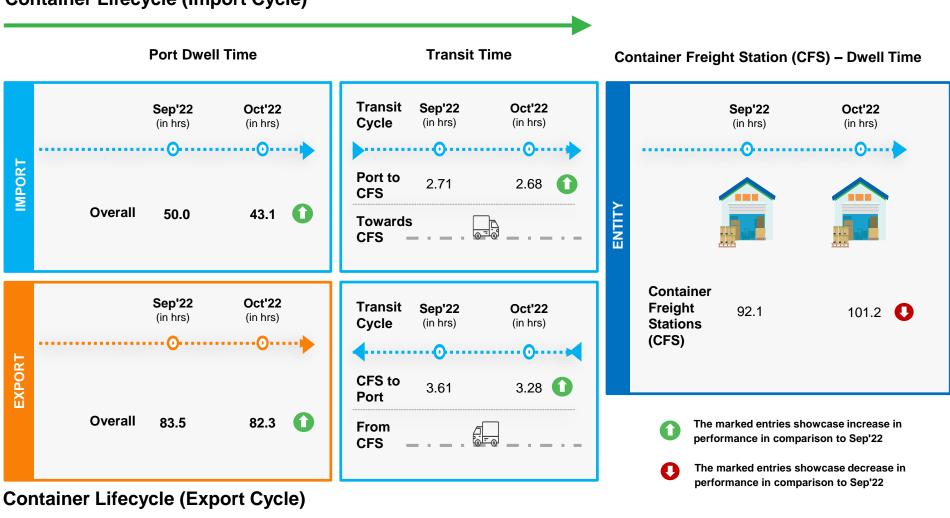
#### **Container Lifecycle (Import Cycle)**



# Kattupalli Port Terminal: Container Transportation



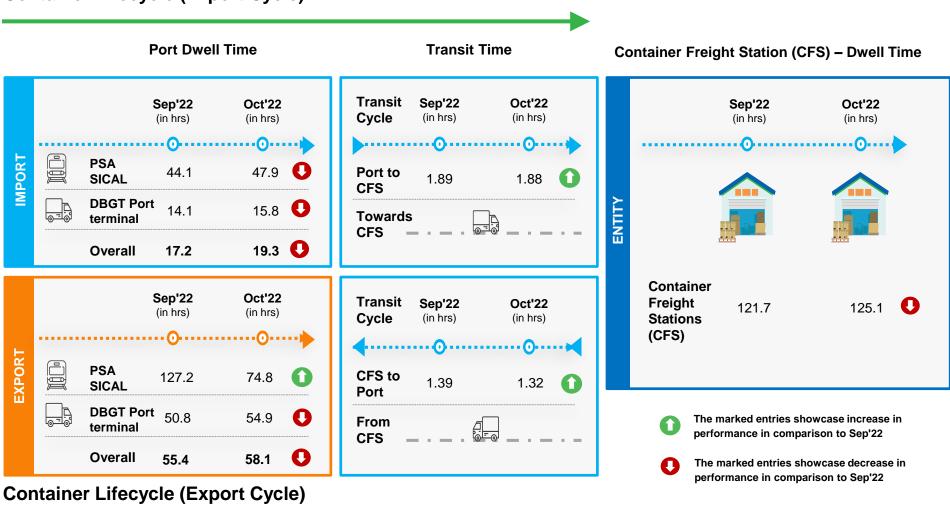
#### **Container Lifecycle (Import Cycle)**



# Tuticorin Port Terminal: Container Transportation



#### **Container Lifecycle (Import Cycle)**

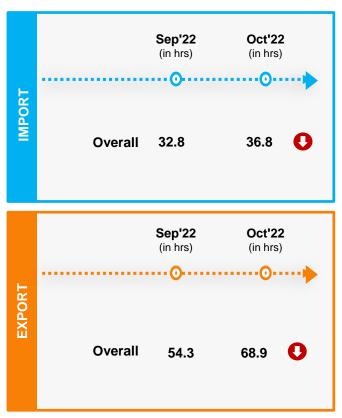


# Krishnapatnam Port Terminal: Container Transportation



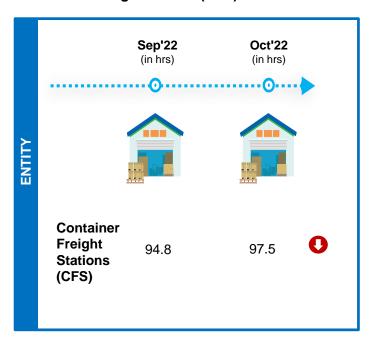
#### **Container Lifecycle (Import Cycle)**

#### **Port Dwell Time**



#### **Container Lifecycle (Export Cycle)**

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



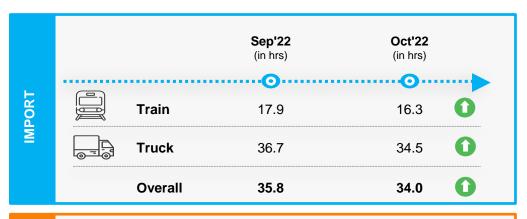
- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

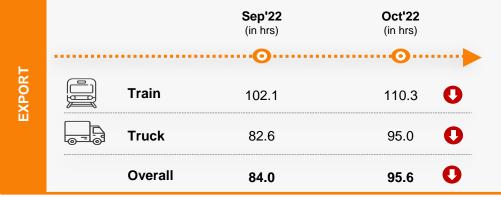
# **Ennore Port Terminal: Container Transportation**



#### **Container Lifecycle (Import Cycle)**

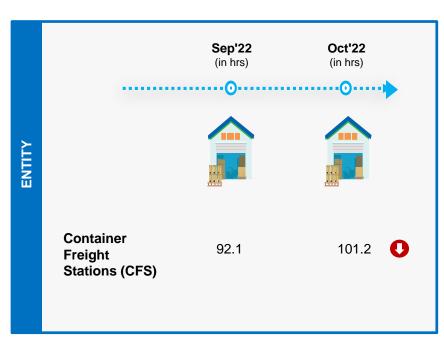
#### **Port Dwell Time**





#### **Container Lifecycle (Export Cycle)**

#### Container Freight Stations(CFS)- Dwell Time

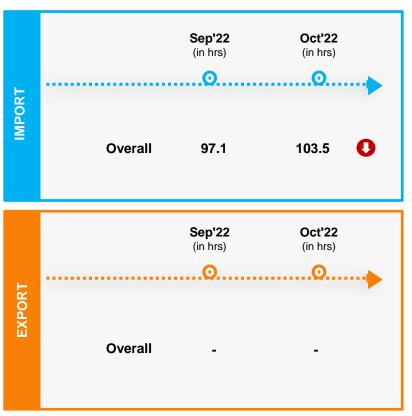


- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

# New Mangalore Port Terminal: Container Transportation



#### **Port Dwell Time**



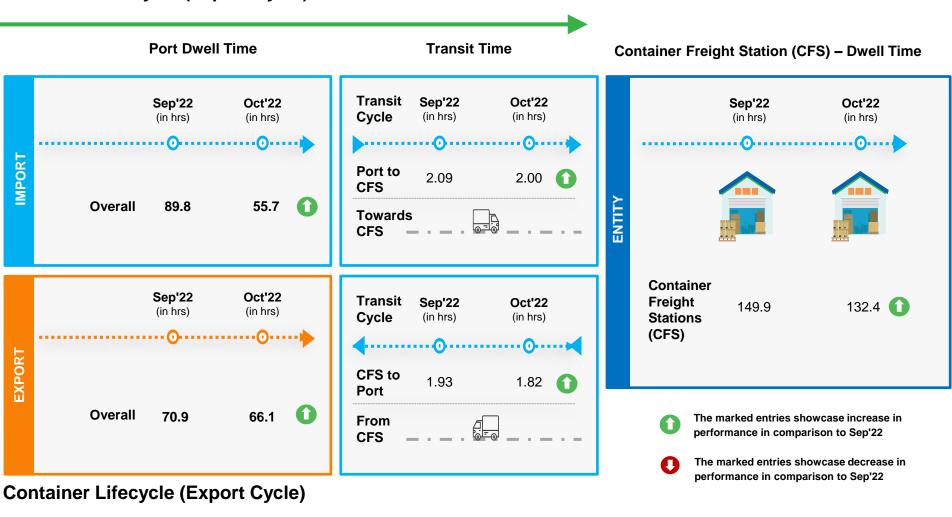
- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22



## Vishakhapatnam Port Terminal: Container Transportation



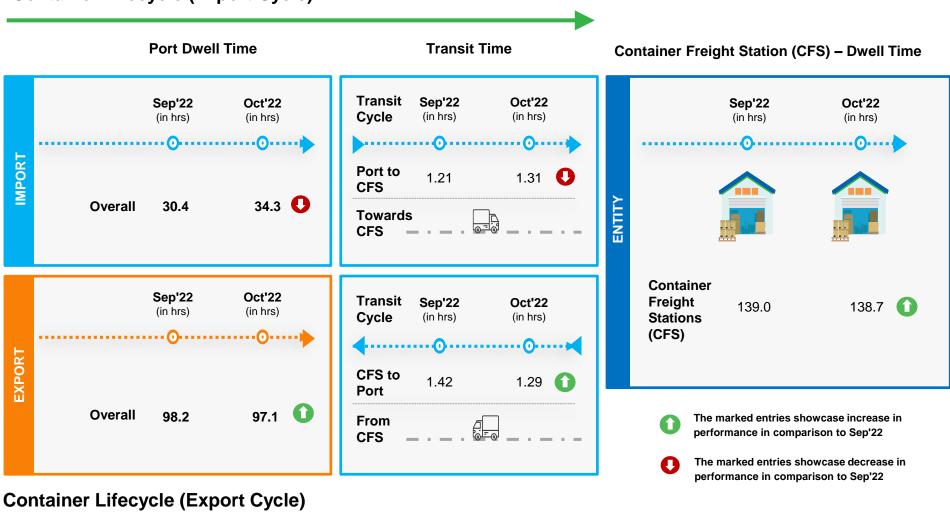
### **Container Lifecycle (Import Cycle)**



## Kolkata Port Terminal: Container Transportation



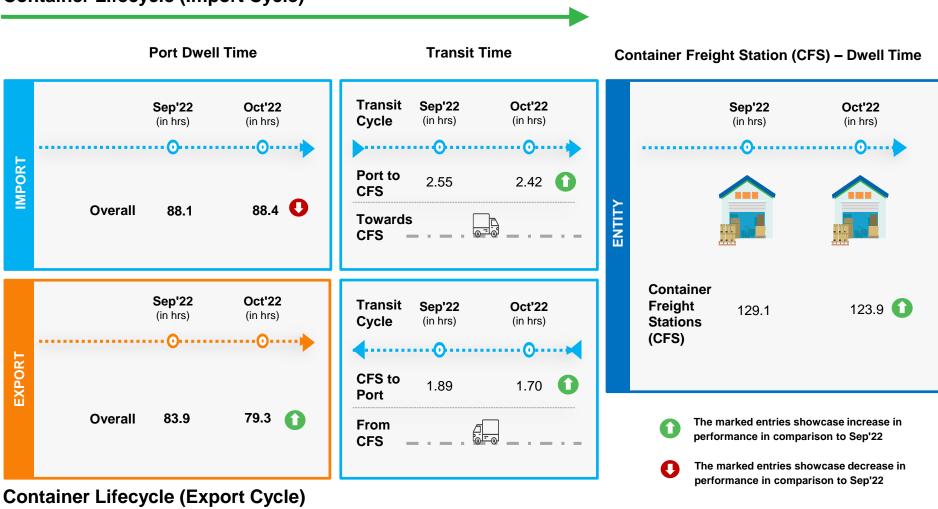
### **Container Lifecycle (Import Cycle)**



## Haldia Port Terminal: Container Transportation



### **Container Lifecycle (Import Cycle)**



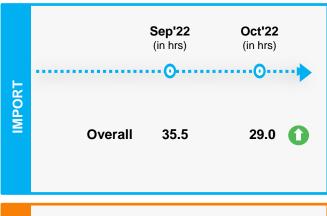


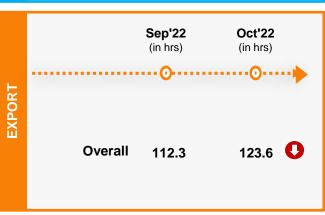
## Pipavav Port Terminal: Container Transportation



### **Container Lifecycle (Import Cycle)**

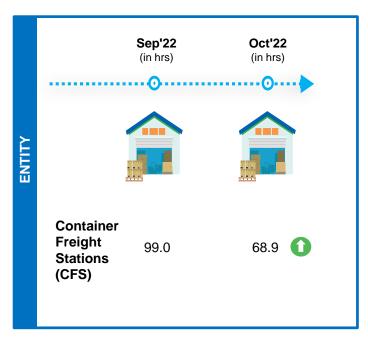
#### **Port Dwell Time**





**Container Lifecycle (Export Cycle)** 

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



- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

## Kandla Port Terminal: Container Transportation



### **Port Dwell Time**



- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

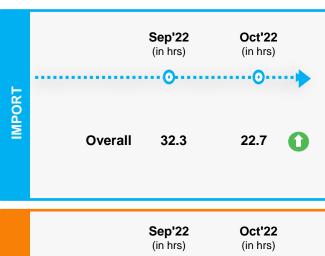
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## Hazira Port Terminal: Container Transportation



### **Container Lifecycle (Import Cycle)**

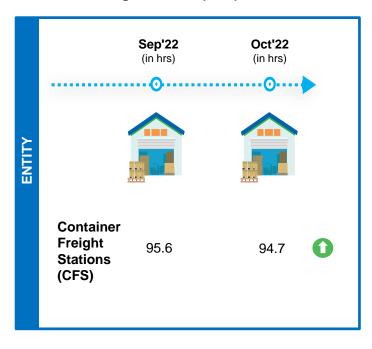
#### **Port Dwell Time**





## **Container Lifecycle (Export Cycle)**

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



- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

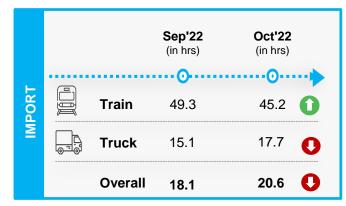
## JNPA Port Terminal: Container Transportation

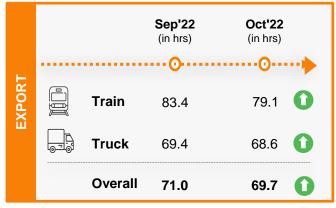


### **Container Lifecycle (Import Cycle)**

## **Port Dwell Time**

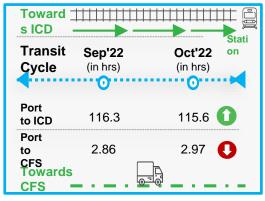


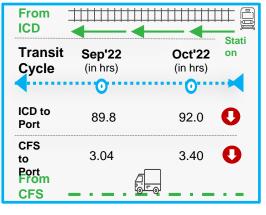




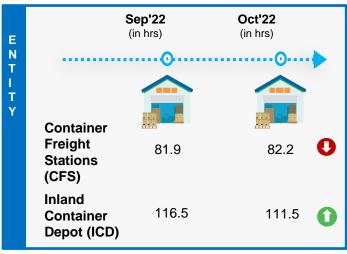
## **Container Lifecycle (Export Cycle)**

### **Transit Time**





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



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

		Import	Export
F	Rail	18%	20%
	Γruck	82%	80%

- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

# JNPA Port Terminal: Container Transportation



MPORT CYCLE DV	/ELL TIME (Oct'22 – in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	20.6	13.8% 🖶
	Port Dwell Time for Truck Bound Containers	17.7	17.2% 🖶
	Port Dwell time for Train Bound Containers	45.2	8.3%
Port dwell time	Port Dwell time Direct Port Delivery (DPD) containers	29.9	7.4%
	Port Dwell time Containers bound for CFS	16.4	18.6% 棏
	Port Dwell for Empty Containers	25.8	5.7% 🖶
	Port Dwell for Laden Containers	19.7	16.6% 棏
Fransit time	Port to ICD	115.6	0.6%
ransit time	Port to CFS	2.97	3.8%
EXPORT CYCLE DV	VELL TIME (Oct'22– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	69.7	1.8%
	Port Dwell Time for Truck Bound Containers	68.6	1.2%
	Port Dwell time for Train Bound Containers	79.1	5.2%
Port dwell time	Port Dwell time Direct Port Entry (DPE) containers	71.0	2.5%
	Port Dwell time Containers bound from CFS	66.8	6.0%
	Port Dwell for Empty Containers	63.5	2.8%
	Port Dwell for Laden Containers	72.1	1.4%
Fransit time	ICD to Port	92.0	2.4%
Transit time	CFS to Port	3.4	11.8% 👢 💳

The arrows depict increase/decrease in performance of the stakeholders in comparison to Sep'22

## JNPA Region: Parking Plaza Dwell Time Analysis

Oct'22



### 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	Sep'22 (in hrs)	Oct'22 (in hrs)
Overall Parking Plaza	5.56	5.69

### Container Handled: Day wise (Oct'22)

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	9%	23%	35%	22%	6%	4%

### Parking Plaza Gate Out - Terminal In

Mode	(in hrs)	(in hrs)
Overall Parking Plaza to JNPA Port	1.10	1.32
Port	Sep'22 (in hrs)	Oct'22 (in hrs)
JNPCT	1.0	1.2
NSICT	0.9	1.3
GTI	0.7	1.0
NSIGT	0.8	0.7
ВМСТ	3.1	3.1

Sep'22

### Container Handled: Day wise (Oct'22)

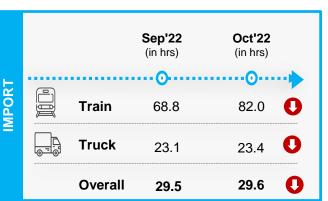
Parking Plaza	Within 2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
JNPCT	81%	12%	4%	3%	0%	0%
NSICT	66%	17%	12%	4%	1%	0%
GTI	86%	12%	1%	1%	0%	0%
NSIGT	82%	11%	3%	2%	1%	1%
PSA	26%	38%	29%	6%	1%	0%

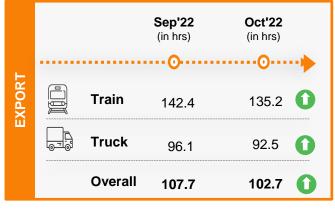
## Mundra Port Terminal: Container Transportation



### **Container Lifecycle (Import Cycle)**

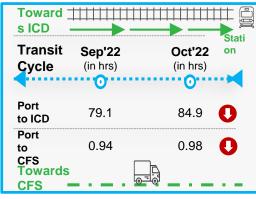
## **Port Dwell Time**

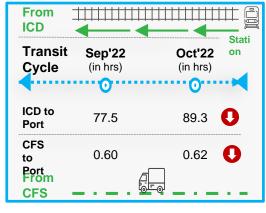




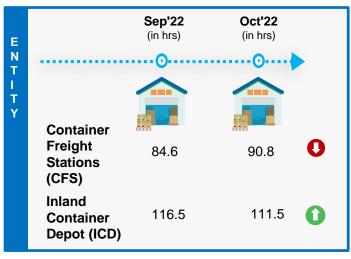
## **Container Lifecycle (Export Cycle)**

#### **Transit Time**





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



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

	Import	Export	
Rail	27%	32%	
Truck	73%	68%	

- The marked entries showcase increase in performance in comparison to Sep'22
- The marked entries showcase decrease in performance in comparison to Sep'22

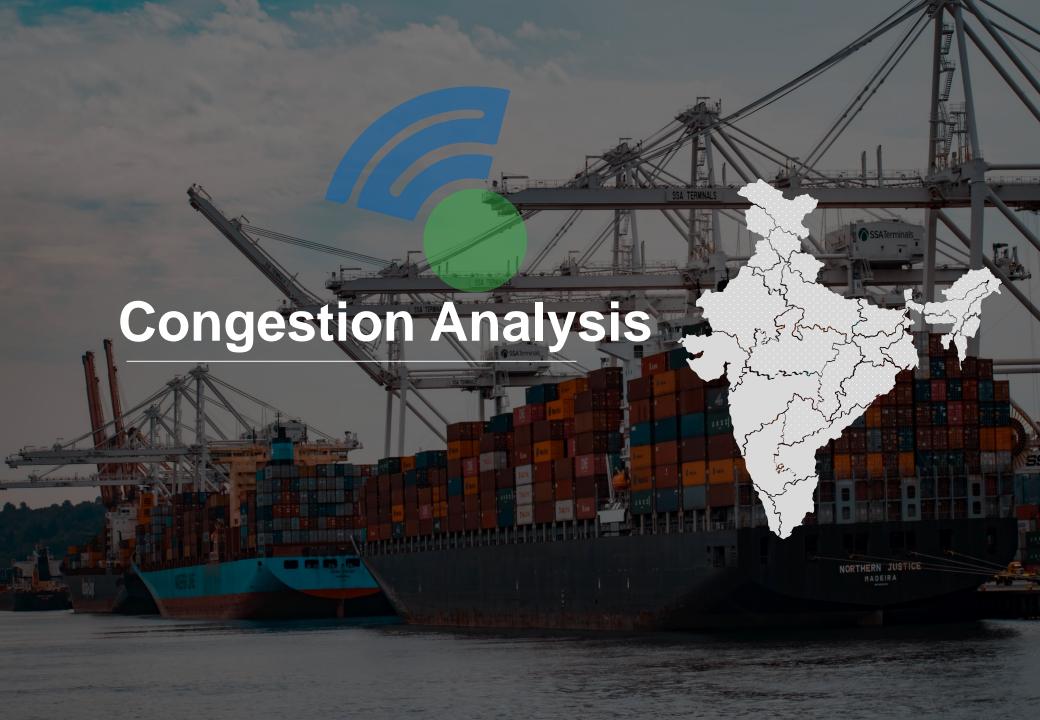
# Mundra Port Terminal: Container Transportation



IMPORT CYCLE	DWELL TIME (Oct'22– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	29.6	0.3%
Port dwell time	Port Dwell Time for Truck Bound Containers	23.4	1.3%
	Port Dwell time for Train Bound Containers	82.0	19.2%
Transit time	Port to ICD	84.9	7.4%
Transit time	Port to CFS	0.98	4.3%
EXPORT CYCLE	DWELL TIME (Oct'22– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	102.7	4.6%
Port dwell time	Port Dwell Time for Truck Bound Containers	92.5	3.7%
	Port Dwell time for Train Bound Containers	135.2	5.1%
Transit time	ICD to Port	89.3	15.3%
	CFS to Port	0.62	3.3%
			the state of the s

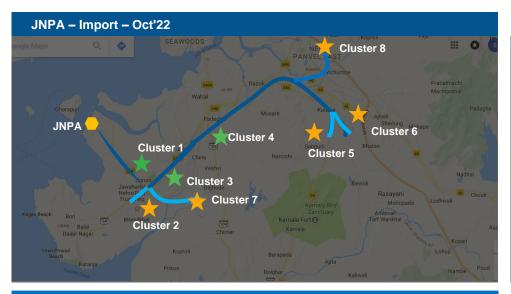
1

The arrows depict increase/decrease in performance of the stakeholders in comparison to Sep'22



# JNPA Region: Congestion Analysis







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

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

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

## Mundra Region: Congestion Analysis

Legends

**High Congestion** 





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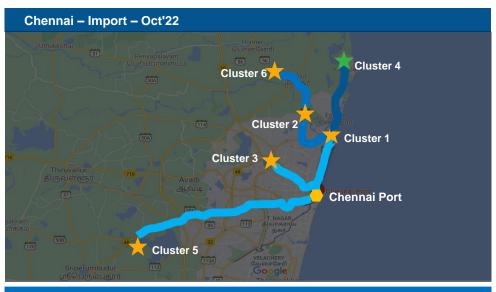
Cluster with bottleneck

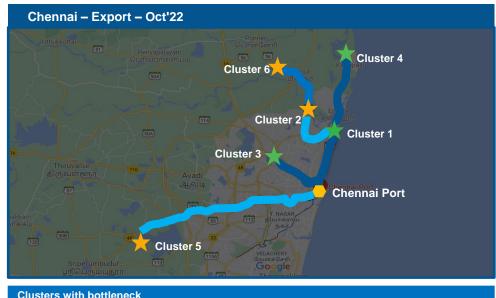
Cluster without bottleneck

Medium Congestion Low Congestion

# Chennai Region: Congestion Analysis







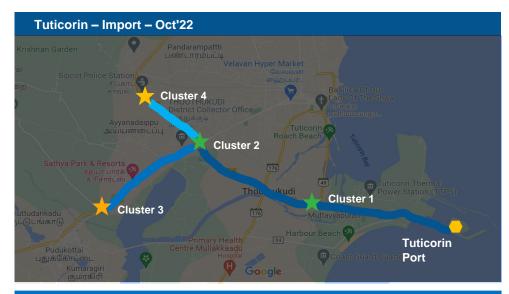
Clusters with bottleneck			
Cluster 4	Kattupalli port bound area		
Clusters without bottleneck			
Cluster 1	Chennai port bound area		
Cluster 2	Ennore port bound area		
Cluster 3	Chennai central area		
Cluster 5	Chennai automotive industry area (Irungatukottai)		
Cluster 6	Thiruvallur Outer city bound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

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

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

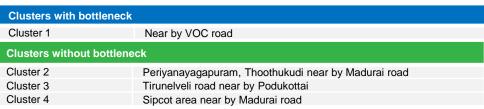
## **Tuticorin Region: Congestion Analysis**





Tuticorin – Export – Oct'22	
Krishnan Garden Pandarampattti பண்டாரம்பட்டி Velavan H	yper Market
al Sipcot Police Station	வேலவன் ஹைப்பர் Basilica Of Our
Cluster 4 Hulo Hulo I District Collector Office Ayyanadaippu	
эмишетсиц Cluster 2	Tuticorin Roach Beach
Sathya Park & Resorts சத்யா பார்க் & ரிசார்ட்ஸ்	Tuticorin Thermal
Cluster 3	Cluster 1 Power Station (TTPS)
நட்டுடங்காடு Primary Health	Harbour Beach Tuticorin
Pudukottai புதுக்கோட்டை Kumaragiri	Coast Guard Quarte Port
குமரகிரி	9.0

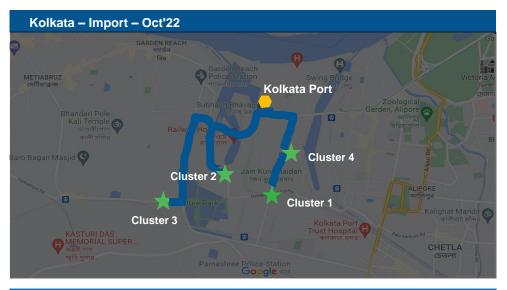
Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Clusters without bottlene	eck
Clusters without bottlene Cluster 3	eck  Tirunelveli road near by Podukottai

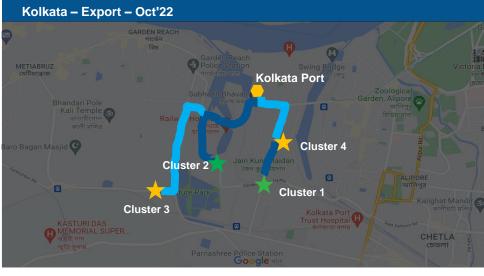


Legends Medium Congestion Low Congestion Cluster with bottleneck Cluster without bottleneck **High Congestion** 

## Kolkata Region: Congestion Analysis

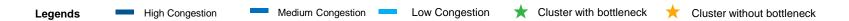






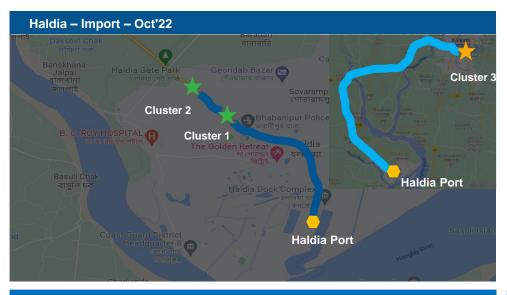
Clusters with bottleneck			
Cluster 1	Base bridge area		
Cluster 2	Sonapur road area		
Cluster 3	Nature park area		
Cluster 4	Babu bazar area		
Clusters without bottleneck			

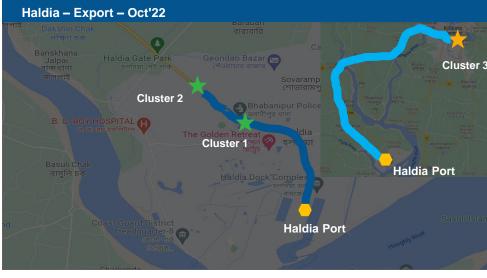




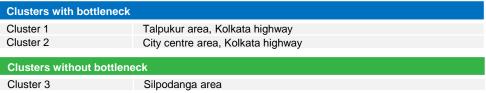
## Haldia Region: Congestion Analysis







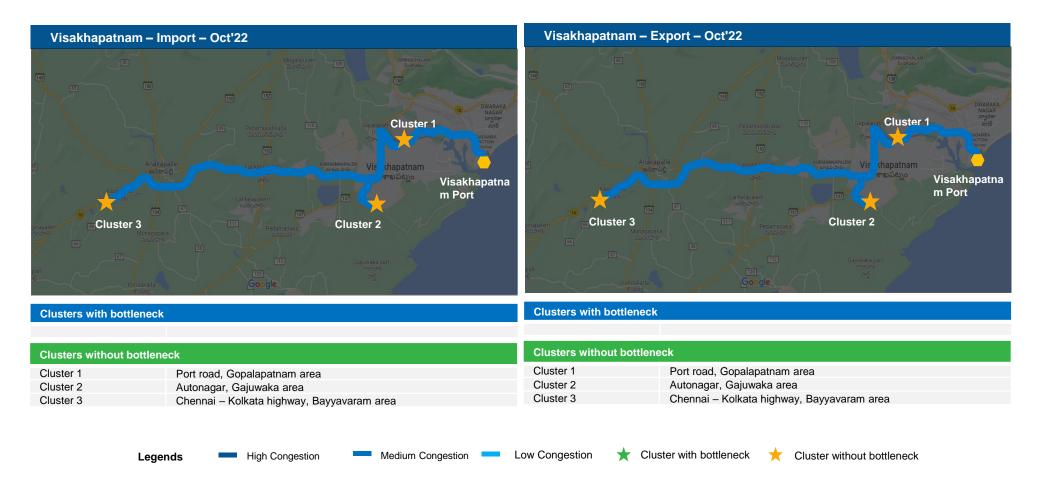
#### Clusters with bottleneck Cluster 1 Talpukur area, Kolkata highway Cluster 2 City centre area, Kolkata highway **Clusters without bottleneck** Cluster 3 Silpodanga area



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

## Visakhapatnam Region: Congestion Analysis







## Transit movement across ICPs



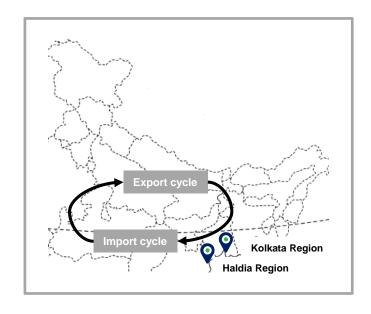
Below is the analysis of the transit movement across ICPs from Kolkata Port Terminal or Haldia Port Terminal both Import and Export cycle

### **Kolkata Port Terminal**

	Mode	ICP Raxaul
	Overall	93.2 hrs
<u>e</u>	Road	157.1 hrs
Import Cycle	Rail	84.9 hrs
por		
Ξ	Haldia Port	Terminal
	Mode	ICP Raxaul
	Overall	-

### **Kolkata Port Terminal**

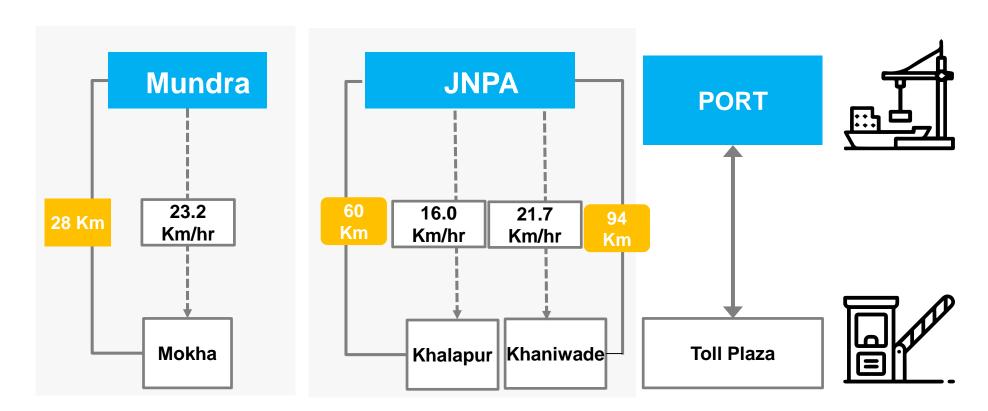
	Mode	ICP Raxaul
	Overall	511.2 hrs
<u>e</u>	Road	248.5 hrs
C	Rail	531.1 hrs
Export Cycle	Haldia Port	Terminal
	Mode	ICP Raxaul
	Overall	1535.8 hrs



# **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	Average Speed (in Km/h)		
rvegion	FOIL	Aujacent Toli piaza	(in KM)	Aug'22	Sep'22	Oct'22
Western	Hazira	Boriach	77	4.6	4.0	4.7
	KOPT(Kolkata)	Dankuni	24	2.5	2.7	-
Eastern	LICT/Lloidio)	Debra	100	8.6	8.8	8.7
	HICT(Haldia)	Jaladhulagori	101	6.7	8.4	7.3
	Chennai	Surapattu	18	-	-	-
	Cheffilai	Nallur	23	1.5	1.6	2.0
	Kochi	Kumbalam	13	0.7	0.8	0.7
	KOCHI	GIPL Palayekara	71	12.7	10.4	12.9
	NMPT (New Manglore)	Brahamarakotlu	25	1.6	1.4	1.8
Southern		Talapady	22.5	1.8	1.4	1.6
	(Now Manglere)	Gundmi	68	5.1	4.4	5.4
	Kattunalli	Surapattu	36	-	-	-
	Kattupalli	Nallur	33	2.5	3.2	3.5
	Ennore	Surapattu	35	-	-	-
Tuticron		VoCPT CheckPost1	4.3	14.2	14.5	15.9

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

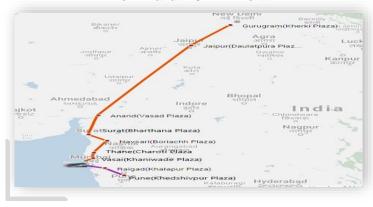
# Western Corridor Toll Plaza Analysis



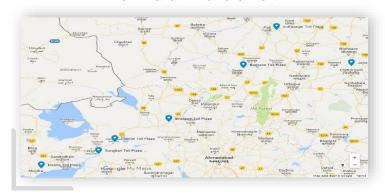
Avg. Speed between Toll to Toll Plazas

	Avg. opeca between roll to roll riazas						
	Source	Destination Toll Plaza	Inter Distance (Km)	Sep'22 (in km/hrs)	Oct'22 (in km/hrs)		
	JNPA	Khaniwade	94	9.6	21.7		
	JNPA	Khalapur	60	15.1	16.0		
Ϋ́	Khaniwade	Charoti	50	33.1	33.2		
JNPA	Charoti	Boriach	126	25.4	25.7		
	Boriach	Bharthan	142	27.8	30.4		
	Bharthan	Vasad	60	36.1	37.8		
	Khalalpur	Khedshivpur	105	32.0	30.1		
	Mundra	Mokha	28	21.1	23.2		
DRA	Mokha	Makhel	150	23.3	27.1		
MUNDRA	Mokha	Surajbari	115	23.4	26.5		
~	Makhel	Bhalgam	108	28.2	32.0		

#### **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 Nam	e Name of the Port
KICT	Kandla International Container Terminal (KICT)
ICTT	International Container Transhipment 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



1.5-4	- ( 050							
List	of CFS name used in CFS Performance Index							
1	Gateway Distriparks CFS, Navi Mumbai	Mumbai	32	Seabird CFS, Navi Mumbai	Mumbai	63	Vilsons CFS	Tuticorin
2	Adani CFS Eximyard, Mundra	Gujarat	33	Ashte Logistics CFS, Panvel	Mumbai	64	Chandra CFS, Tiruvallur	Chennai
3	Ameya Logistics CFS, Navi Mumbai	Mumbai	34	Sarveshwar CFS	Mumbai	65	Navkar Corporation Yard 1 CFS, Panvel	Mumbai
4	Allcargo Global Logistics CFS, Chennai	Chennai	35	Ocean Gate CFS, Panvel	Mumbai	66	Apm Terminals India CFS, Tiruvallur	Chennai
5	Saurashtra CFS, Mundra	Gujarat	36	Allcargo Logistics CFS	Kolkata	67	Hind Terminal CFS, Hazira	Gujarat
6	Sical CFS, Chennai Tiruvallur Tamil Nadu	Chennai	37	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	uChennai	68	ALS Tuticorin Terminal Private Limited	Tuticorin
7	Continental Warehousing CFS, Navi Mumbai	Mumbai	38	International Cargo Terminal CFS	Mumbai	69	STP Services CFS, Chennai	Chennai
8	AllCargo Logistics	Mumbai	39	Kailash Shipping Services CFS, Chennai	Chennai	70	Maersk Annex (APM)CFS, Navi Mumbai	Mumbai
9	Speedy Multimode CFS, JNPT	Mumbai	40	Mundhra CFS, Mundra	Gujarat	71	Gateway East India CFS	Visakhapatnam
10	Hind Terminals Pvt. Ltd. CFS, Mundra	Gujarat	41	TG Terminals CFS	Mumbai	72	Raja Agencies CFS	Tuticorin
11	JWC Logistics Park CFS	Mumbai	42	Take Care Logistics CFS	Mumbai	73	Empezar Logistics CFS	Gujarat
12	International Cargo Terminals (ULA) CFS, Navi Mumbai	Mumbai	43	Adani CFS, Hazira	Gujarat	74	Hind Terminals CFS, Chennai	Chennai
13	Punjab Conware CFS, Navi Mumbai	Mumbai	44	Sanco Trans CFS, Chennai	Chennai	75	Balmer Lawrie CFS	Kolkata
	Continental Warehousing Corporation CFS (Nhava Seva),							
14	Chennai	Chennai	45	GDKL CFS	Kochi	76	St. John Freight Systems Ltd ICD Division	Tuticorin
15	Honey Comb CFS, Mundra	Gujarat	46	Seabird CFS, Hazira	Gujarat	77	Kerry Indev Logistics Pvt Ltd CFS	Mumbai
16	MICT CFS, Mundra	Gujarat	47	Triway CFS, Chennai	Chennai	78	CWC Impex Park CFS, Navi Mumbai	Mumbai
17	Seabird CFS, Mundra	Gujarat	48	Navkar Corporation Yard 2 CFS, Panvel	Mumbai	79	A L Logistics CFS	Haldia
18	Kerry Indev Logistics ICD, Kanchipuram	Chennai	49	Landmark CFS, Mundra	Gujarat	80	Thiru Rani Logistics CFS, Tiruvallur	Chennai
19	Gateway Distriparks CFS, Chennai	Chennai	50	Calyx Container Terminal CFS, Chennai	Chennai	81	Sravan CFS-1	Visakhapatnam
20	CWC CFS, Mundra	Gujarat	51	Balmer Lawrie CFS, Chennai	Chennai	82	Chola Logistiks Pvt Ltd	Tuticorin
21	Apollo Logisolutions CFS, Panvel	Mumbai	52	Sattva Cfs And Logistics CFS, Chennai	Chennai	83	Diamond CFS Park	Tuticorin
22	Navkar Corporation Yard 3 CFS, Panvel	Mumbai	53	Rishi CFS, Mundra	Gujarat	84	Hari CFS	Tuticorin
				Sattva Hi-Tech And Conware CFS,			Continental Warehousing Corporation CFS	
23	EFC Logistics India	Mumbai	54	Chennai	Chennai	85	(Nhava Seva), Tiruvallur	Chennai
	,						Sical Multimodal and Rail Transport Ltd	
24	TG Terminals CFS, Mundra	Gujarat	55	Transworld CFS, Mundra	Gujarat	86	CFS Division	Tuticorin
25	Ashutosh CFS, Mundra	Gujarat	56	Vaishno Logistics CFS, Navi Mumbai	Mumbai	87	VPL Integral CFS	Visakhapatnam
26	Phonex CFS	Kolkata	57	A S Shipping Agencies CFS, Tiruvallur	Chennai	88	Prompt Terminals (P) Ltd	Tuticorin
27	Balmer & Lawrie CFS, Navi Mumbai	Mumbai	58	Sudharsan Logistics CFS, Chennai	Chennai	89	VCT CFS	Visakhapatnam
28	Ennore Cargo Container Terminal CFS, Chennai	Chennai	59	Glovis India CFS, Kanchipuram	Chennai	90	A.S.Shipping Agencies Pvt Ltd	Tuticorin
	<b>V</b> 2.1 2 2 2, 2 1000			Kerry Indev Logistics Private Limited /			1, 5 5	
29	APM (Maersk India) CFS, Navi Mumbai	Mumbai	60	Continental Container Freight Station	Tuticorin	91	Viking Warehousing CFS, Chennai	Chennai
30	Century Plyboards CFS, JJP	Kolkata	61	Maharashtra State Corp CFS	Mumbai	92	CWC CFS, Kolkata	Kolkata
	, , , , , , , , , , , , , , , , , , , ,			Continental Warehousing Corporation			,	
31	Dronagiri Rail Terminal CFS, Navi Mumbai	Mumbai	62	Nhava Sheva Ltd.	Tuticorin			
	J							

# Annexure – Western Region



Lis	st of CFS name used in CFS Performance Inde	ex	
1	Gateway Distriparks CFS, Navi Mumbai	24	Seabird CFS, Navi Mumbai
2	Adani CFS Eximyard, Mundra	25	Ashte Logistics CFS, Panvel
3	Ameya Logistics CFS, Navi Mumbai	26	Sarveshwar CFS
4	Saurashtra CFS, Mundra	27	Ocean Gate CFS, Panvel
5	Continental Warehousing CFS, Navi Mumbai	28	International Cargo Terminal CFS
6	AllCargo Logistics	29	Mundhra CFS, Mundra
7	Speedy Multimode CFS, JNPT	30	TG Terminals CFS
8	Hind Terminals Pvt. Ltd. CFS, Mundra	31	Take Care Logistics CFS
9	JWC Logistics Park CFS	32	Adani CFS, Hazira
10	International Cargo Terminals (ULA) CFS, Navi Mumbai	33	Seabird CFS, Hazira
11	Punjab Conware CFS, Navi Mumbai	34	Navkar Corporation Yard 2 CFS, Panvel
12	Honey Comb CFS, Mundra	35	Landmark CFS, Mundra
13	MICT CFS, Mundra	36	Rishi CFS, Mundra
14	Seabird CFS, Mundra	37	Transworld CFS, Mundra
15	CWC CFS, Mundra	38	Vaishno Logistics CFS, Navi Mumbai
16	Apollo Logisolutions CFS, Panvel	39	Maharashtra State Corp CFS
17	Navkar Corporation Yard 3 CFS, Panvel	40	Navkar Corporation Yard 1 CFS, Panvel
18	EFC Logistics India	41	Hind Terminal CFS, Hazira
19	TG Terminals CFS, Mundra	42	Maersk Annex (APM)CFS, Navi Mumbai
20	Ashutosh CFS, Mundra	43	Empezar Logistics CFS
21	Balmer & Lawrie CFS, Navi Mumbai	44	Kerry Indev Logistics Pvt Ltd CFS
22	APM (Maersk India) CFS, Navi Mumbai	45	CWC Impex Park CFS, Navi Mumbai
23	Dronagiri Rail Terminal CFS, Navi Mumbai		

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

List of CFS name used in Eastern CFS Performance Index				
1	Phonex CFS			
2	Century Plyboards CFS, JJP			
3	Allcargo Logistics CFS			
4	Gateway East India CFS			
5	Balmer Lawrie CFS			
6	A L Logistics CFS			
7	Sravan CFS-1			
8	VPL Integral CFS			
9	VCT CFS			
10	CWC CFS, Kolkata			

