Logistics Databank Analytics Report









## Report Inference

This sections depicts the inference and major highlights of the report

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

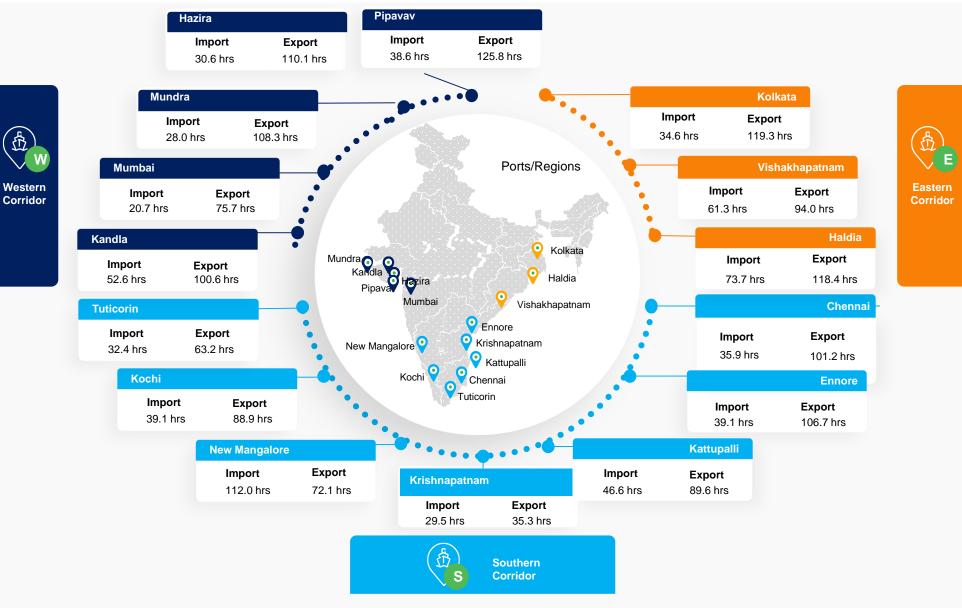
## Annexure

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

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

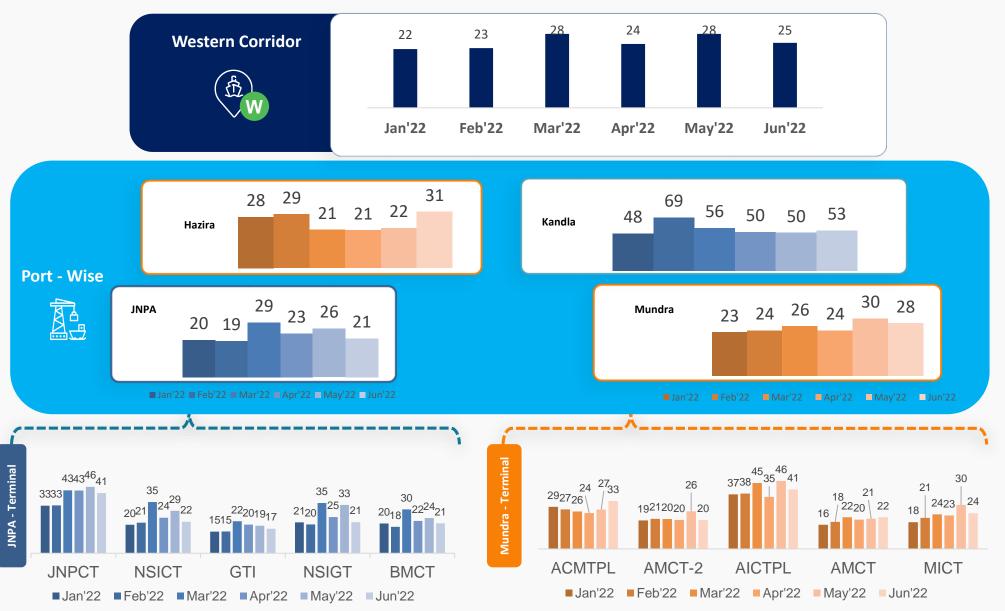




## Port Dwell Time Performance – Western Corridor (Import Cycle)



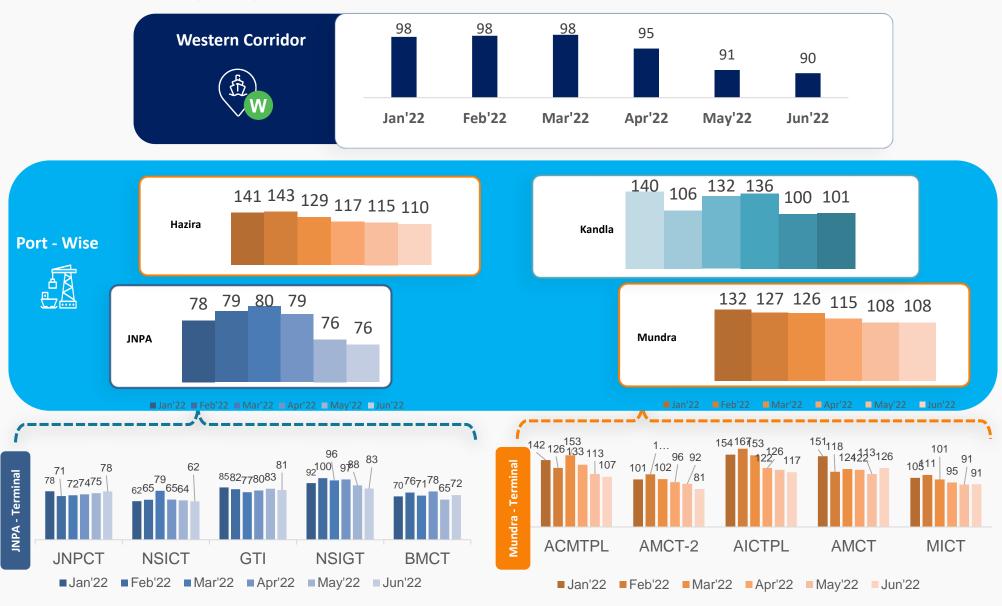
Import Cycle – Dwell Time Performance – Western Corridor (in hrs)



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



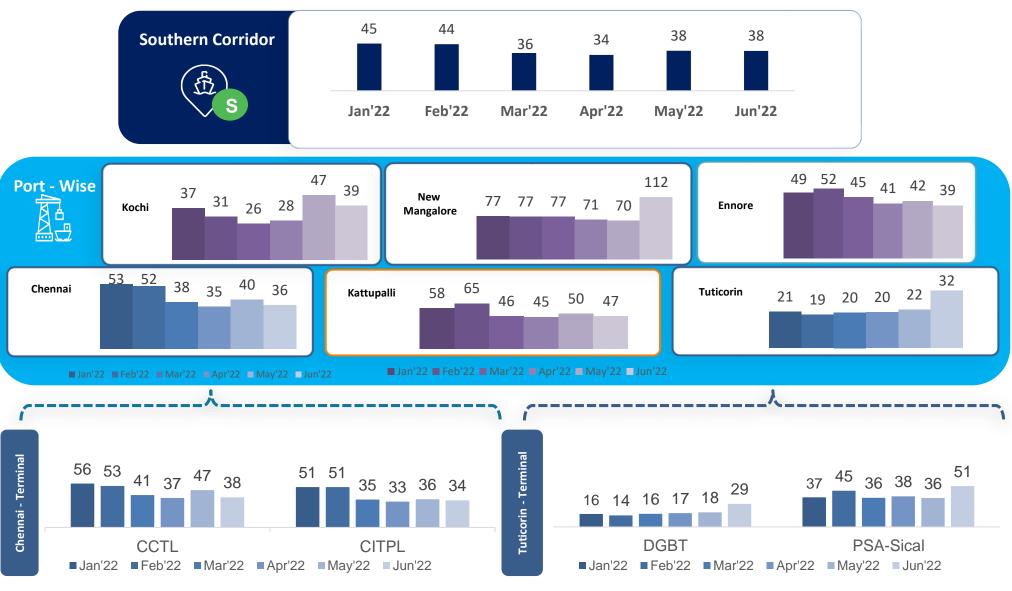
**Export Cycle – Dwell Time Performance – Western Corridor (in hrs)** 



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



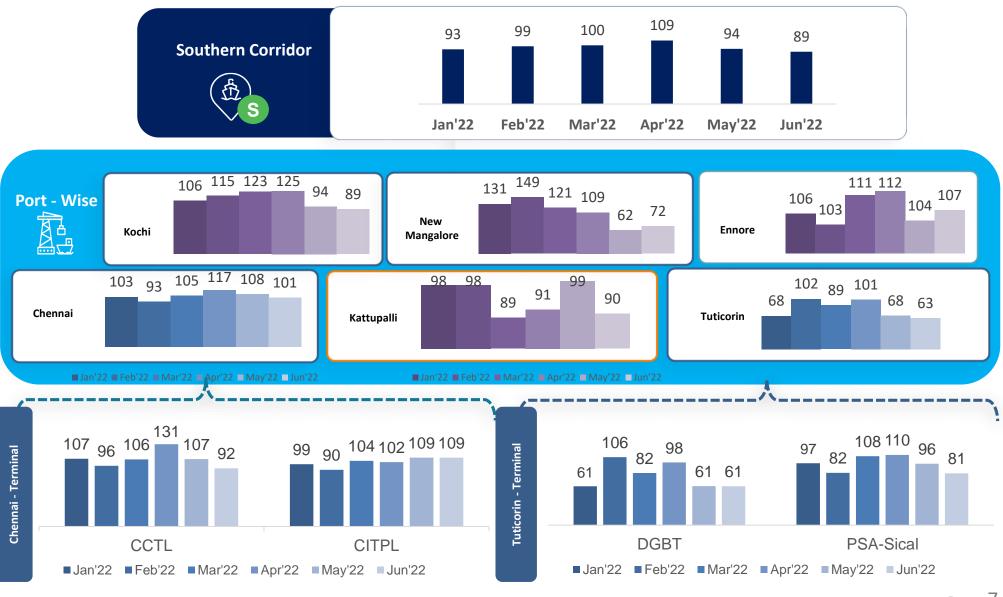
Import Cycle – Dwell Time Performance – Southern Corridor (in hrs)



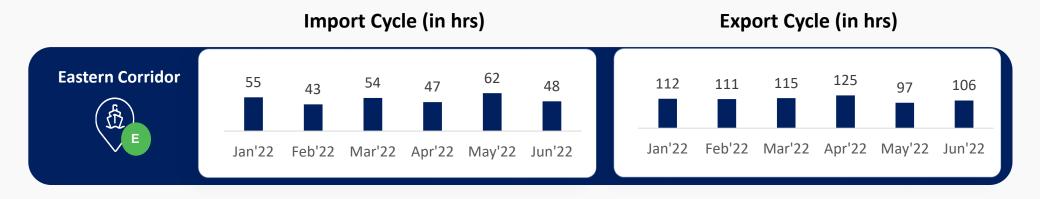
# Port Dwell Time Performance – Southern Corridor (Export Cycle)

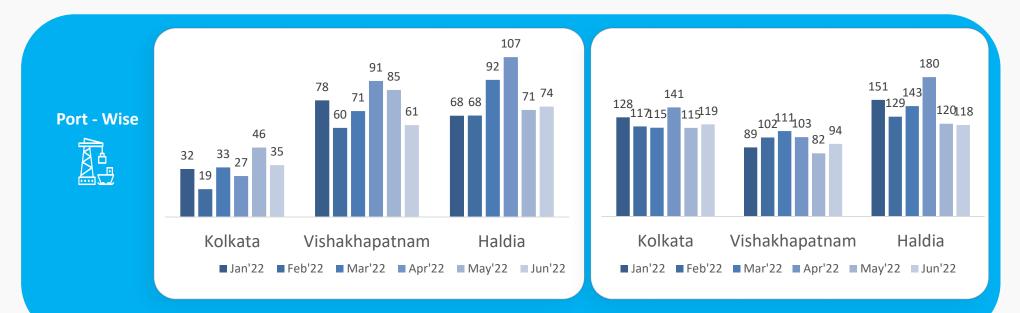


Export Cycle – Dwell Time Performance – Southern Corridor (in hrs)



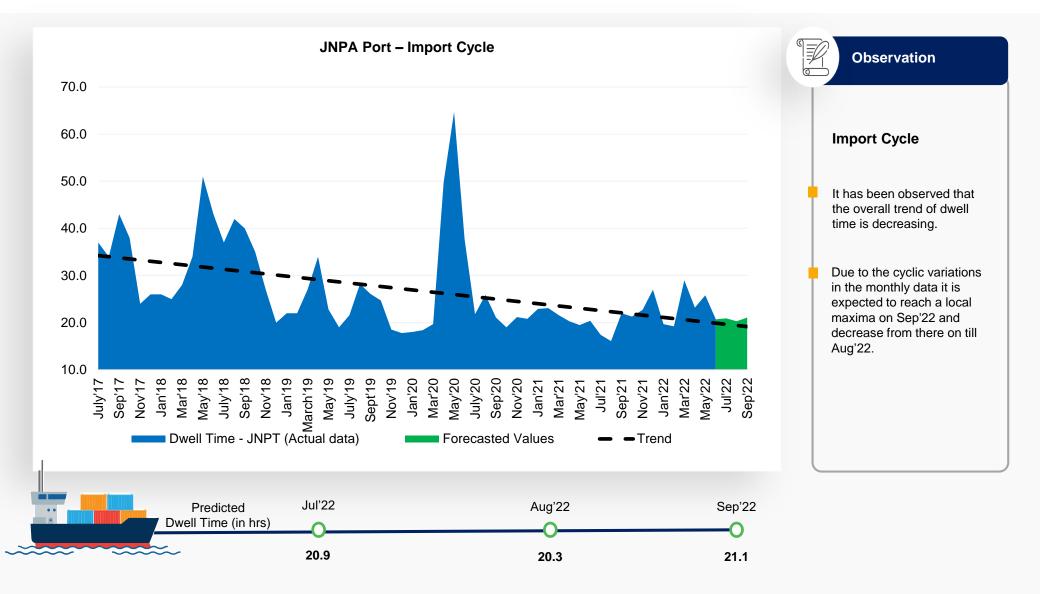






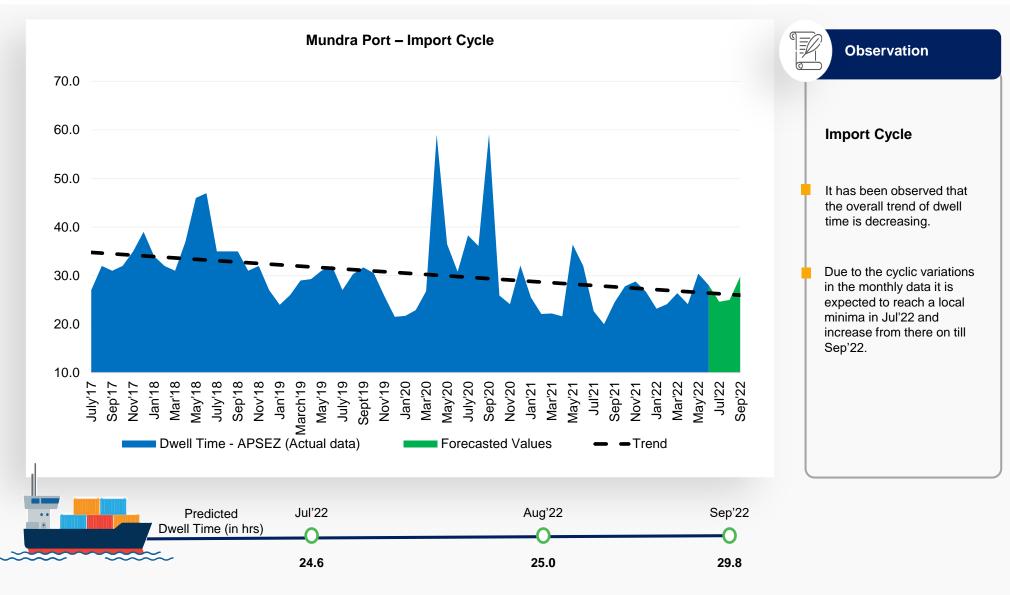
## Predictive Analysis : JNPA Port





## Predictive Analysis : Mundra Port





# Critical Incident Summary



		Indling performance in Western performance at CFS has improve			
Western	Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Corridor	Jun'22	24.9 hrs	90.1 hrs	83.5 hrs	116.9 hrs
	May'22	28.2 hrs	90.8 hrs	88.9 hrs	120.0 hrs

Southern	by 5.3%	erformance in Southern Corridor in Impor nce at CFS has improved by 2.2%	t Cycle has improved by 0.3% & ir	n Export Cycle has improved
Corridor	Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
	Jun'22	37.8 hrs	89.2 hrs	103.1 hrs
	May'22	37.9 hrs	94.2 hrs	105.4 hrs

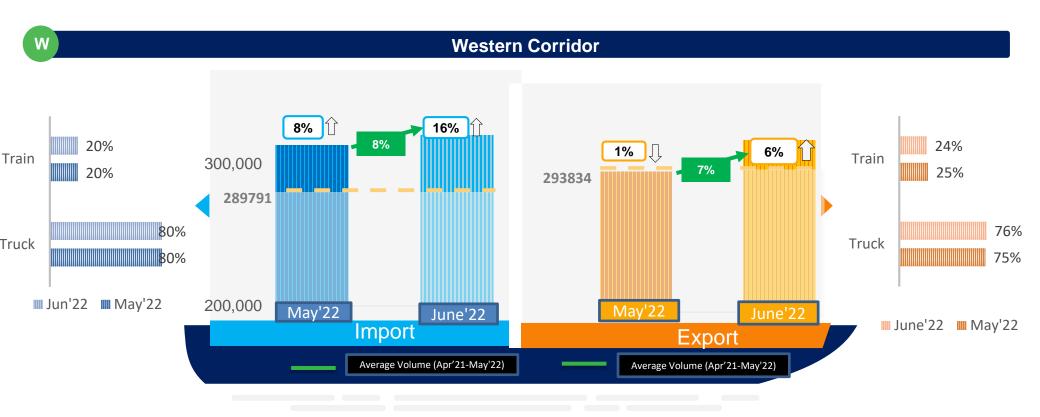
Eastern	deteriorated by 8.8%.	formance in Eastern Corridor for Impor ce at CFS has deteriorated by 3.8%.	t Cycle has improved by 21.5% a	and Export Cycle has
Corridor	Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time
	Jun'22	48.3 hrs	105.8 hrs	126.8 hrs
	May'22	61.5 hrs	97.2 hrs	122.2 hrs

# CORVINUS COVID – 19 Impact ALERT

## Covid-19 Impact – Western Corridor



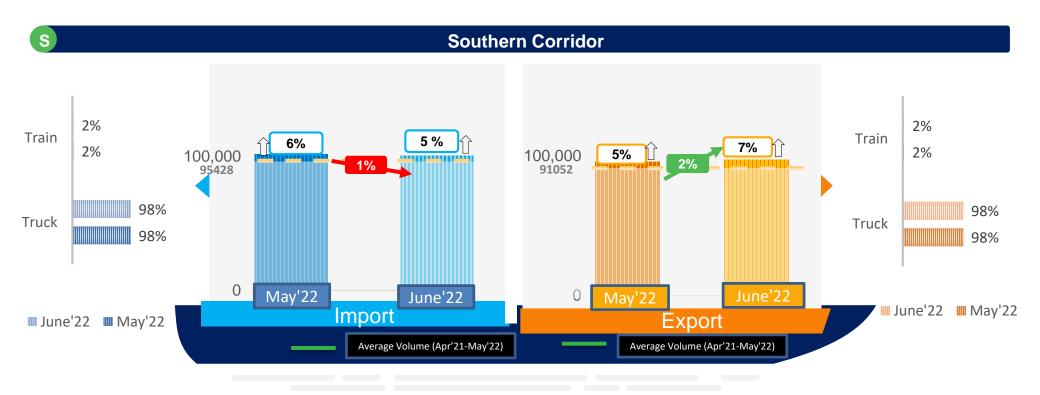
Below graphs depicts the change in volume percentage during the month of June'22 w.r.t the last month i.e., May'22 and the average EXIM corridor wise volume.



## Covid-19 Impact – Southern Corridor



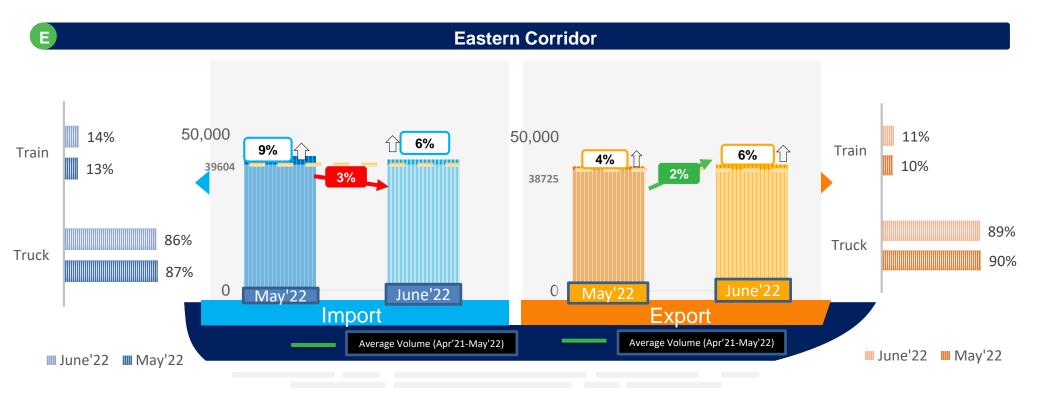
Below graphs depicts the change in volume percentage during the month of June'22 w.r.t the last month i.e., May'22 and the average EXIM corridor wise volume.



## Covid-19 Impact – Eastern Corridor



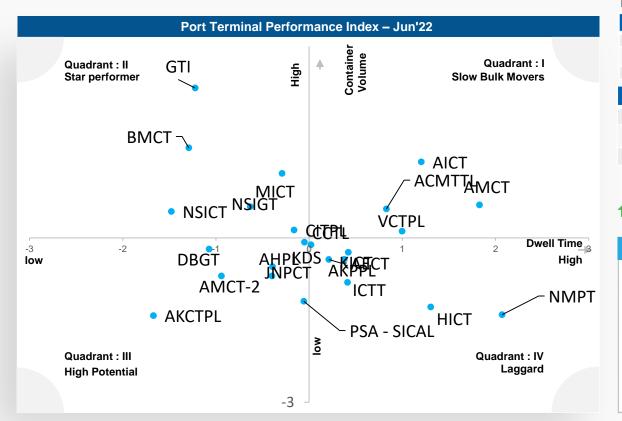
Below graphs depicts the change in volume percentage during the month of June'22 w.r.t the last month i.e., May'22 and the average EXIM corridor wise volume.





#### **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 Jun'22

Top Performing Terminal				
Gateway Terminals India (GTI)				
May'22	Jun'22			
44.8 Hrs	40.1 Hrs. 👅			
Low Performing Terminal				
New Manglore	Port Trust (NMPT)			
May'22	Jun'22			
66.0 Hrs	97.9 Hrs			
Note: The performance benchmarking is based on performance index The arrows depict increase/decrease in overall performance of the stakeholders in comparison to May'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				

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

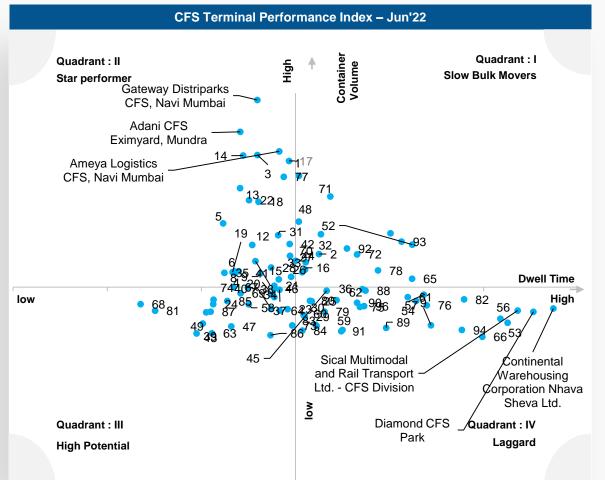
Consist of entities which have catered relatively lower container volume at higher dwell time

# 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 Jun'22

Top Three Performing CFSs			
CFS Name	May'22	Jun'22	
Gateway Distriparks CFS, Navi Mumbai	82.1 hrs	80.0 hrs 1	
Adani CFS Eximyard, Mundra	71.2 hrs	73.4 hrs 🛛 🖊	
Ameya Logistics CFS, Navi Mumbai	93.5 hrs	88.3 hrs 🔒	
Bottom Three Performing CFSs			
CFS Name	May'22	Jun'22	
Continental Warehousing Corporation Nhava Sheva Ltd.	183.3 hrs	192.3 hrs 🛛 👢	
Diamond CFS Park	194.6 hrs	184.7 hrs  🕇	
Sical Multimodal and Rail Transport Ltd. – CFS Division	121.4 hrs	178.8 hrs 🛛 🖊	
The arrows depict increase/decrease in o	verall performa	nce of the	

## stakeholders in comparison to May'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

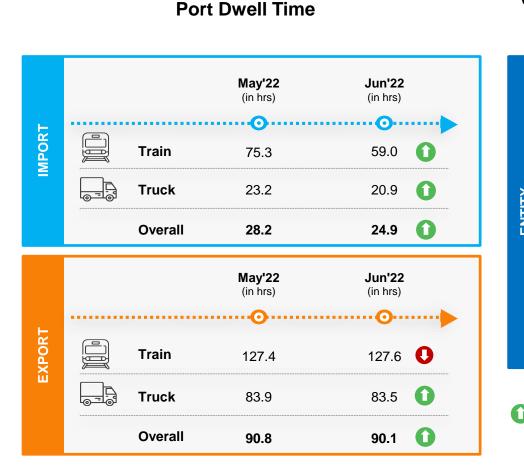
Consist of entities which have catered higher container volume in higher dwell time

#### Laggard

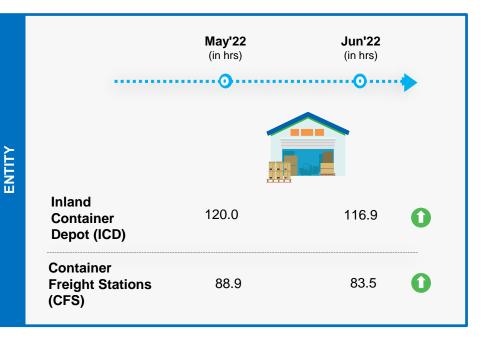
Consist of entities which have catered relatively lower container volume at higher dwell time

## Container Transportation Performance - Western Corridor





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



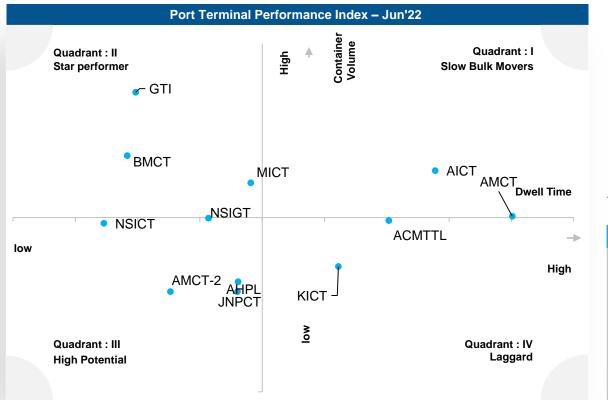
The marked entries showcase increase in performance in comparison to May'22

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



#### **Performance Benchmarking - Port Terminals**

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

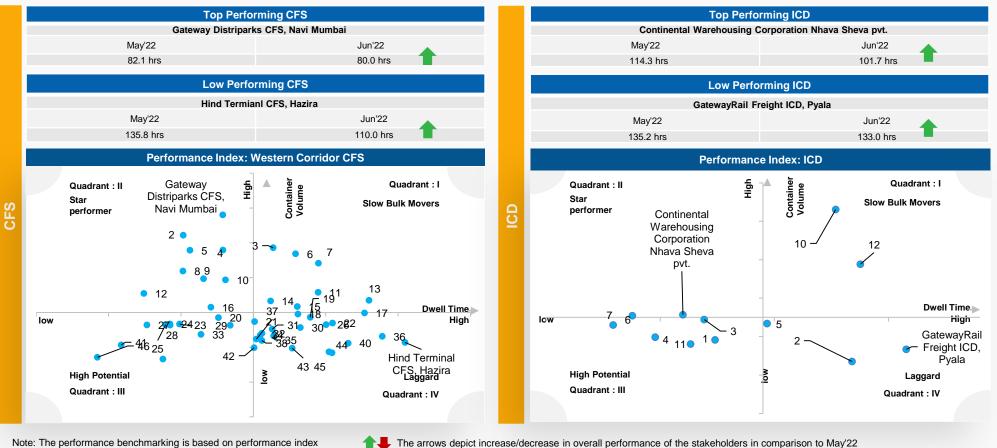


Performance benchmarking for Port Terminals covered under LDB project for Jun'22

Top Perform	ing Terminal
Gateway Term	inals India (GTI)
May'22	Jun'22 🔺
44.8 Hrs	40.2 Hrs.
Low Perform	ing Terminal
Adani CMA Mundra	a Terminal (ACMTTL)
May'22	Jun'22
73.8 Hrs	76.1 Hrs.
Note: The performance benchmarking The arrows depict increase/deci stakeholders in comparison to N	rease in overall performance of the
Performance In	dex - Summary
In order to assess the relative performance of vari ICD(s), the relative Dwell time as well as the volur graphically in the form of an index to portray the p basis of these two combined factors i.e. Dwell time	ne of containers handled by them are depicted erformance of a particular organisation on the
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 relatively lower container volume at higher dwell time



### **Performance Benchmarking**



Kindly refer to Annexure section for the names of

CFS

## Container Transportation Performance - Southern Corridor





### Port Dwell Time

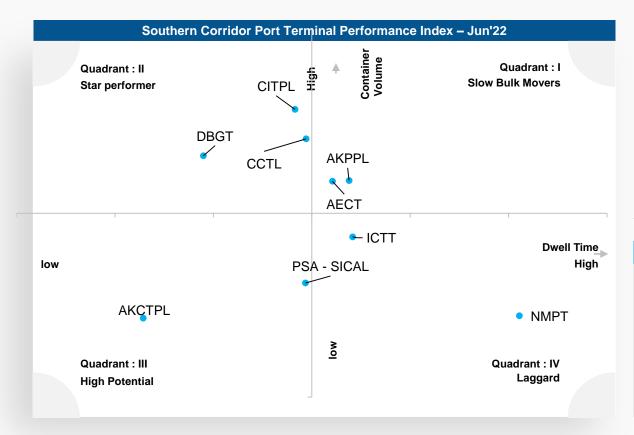
## Container Freight Stations(CFS)/ Inland Container depots(ICD) – Dwell Time

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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



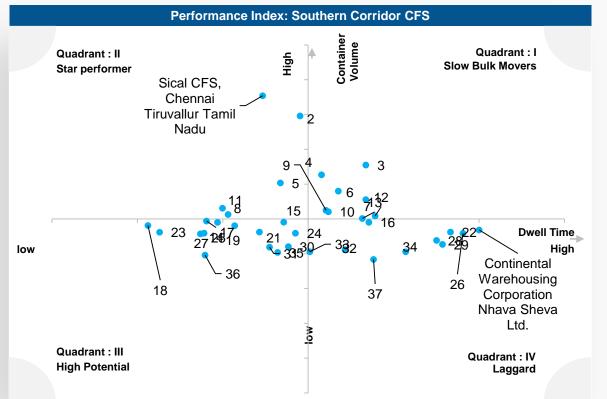
Performance benchmarking for CFSs covered under LDB project for Jun'22

Top Performing Terminal				
Chennai International Terminals Pvt Ltd (CITPL)				
May'22	Jun'22 🔶			
61.1 hrs	58.8 hrs			
Low Performing Terminal				
New Mangal	ore Port Trust			
May'22	Jun'22 📕			
67.0 hrs	97.9 hrs			
Note: The performance benchmarking is based on performance index				
The arrows depict increase/decrease in overall performance of the stakeholders in comparison to May'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
High Potential	Laggard
Consist of entities which have catered relatively lower container volume in lower dwell time	Consist of entities which have catered relatively lower container volume at higher dwell time

# CFS Performance Benchmarking & Performance Index - Southern Corridor

### **Performance Benchmarking - CFSs**



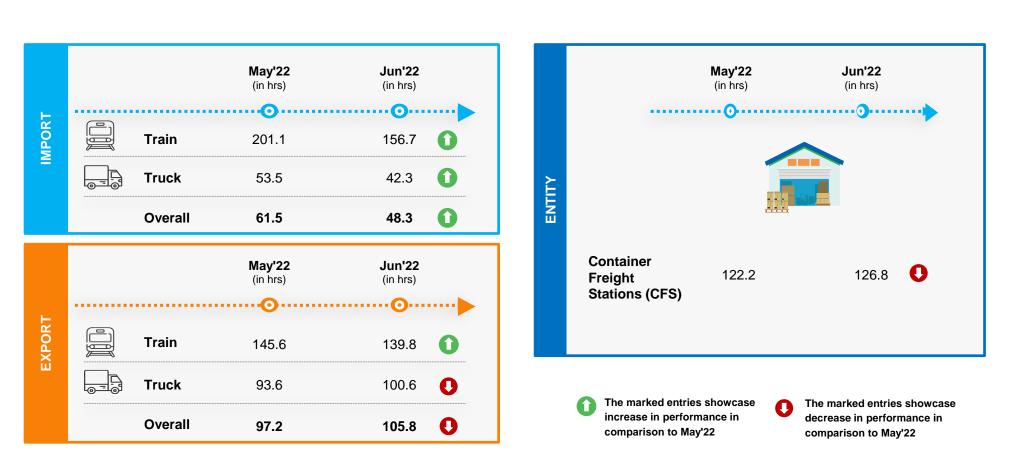
## Performance benchmarking for CFS covered under LDB project in Southern Corridor for Jun'22

Top Performing Terminal			
Sical CFS, Chennai T	iruvallur Tamil Nadu		
May'22	Jun'22		
88.1 hrs	90.0 hrs		
Low Performir	Low Performing Terminal		
Continental Warehousing Co	rporation Nhava Sheva Ltd.		
May'22	Jun'22		
183.3 hrs	192.3 hrs		
Note: The performance benchmarking is	s based on performance index		
stakeholders in comparison to Ma Performance Ind	,		
In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe basis of these two combined factors i.e. Dwell time	e of containers handled by them are depicted rformance of a particular organisation on the		
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 relatively lower container volume at higher dwell time		

Kindly refer to Annexure section for the names of CFS

## Container Transportation Performance - Eastern Corridor





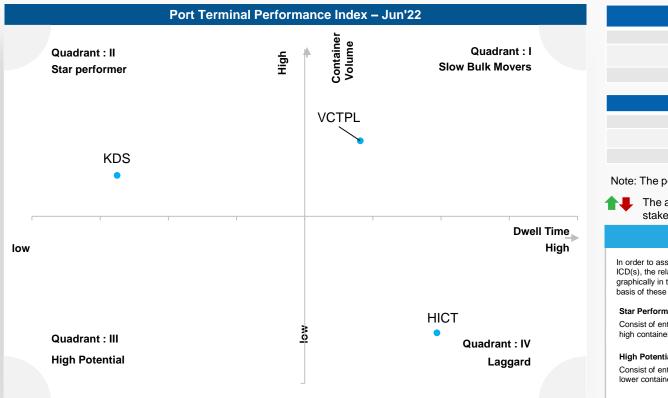
## Port Dwell Time

Container Freight Stations(CFS)– Dwell Time



### **Performance Benchmarking - Port Terminals**

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

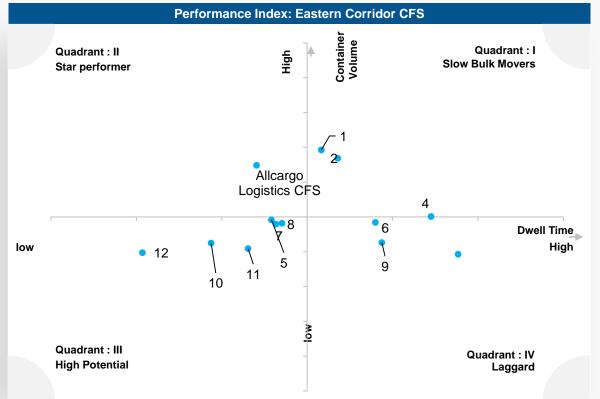


Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Jun'22

Top Performin	ng Terminal
Kolkata Dock	System (KDS)
May'22	Jun'22
68.9 hrs	62.0 hrs
Low Performir	
Haldia International Cor	ntainer Terminal (HICT)
May'22	Jun'22
96.0 hrs	84.5 hrs
The arrows depict increase/decre	ease in overall performance of the
stakeholders in comparison to M	ay'22
stakeholders in comparison to M Performance Ind In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe basis of these two combined factors i.e. Dwell time	ay'22 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted formance of a particular organisation on the
Performance Ind In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe	ay'22 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted formance of a particular organisation on the
Performance Ind In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe basis of these two combined factors i.e. Dwell time	ay'22 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted rformance of a particular organisation on the and Volume
Performance Ind In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe basis of these two combined factors i.e. Dwell time Star Performer Consist of entities which have catered relatively	ay'22 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted formance of a particular organisation on the and Volume Slow Bulk Movers Consist of entities which have catered higher container volume in higher dwell



### **Performance Benchmarking - CFSs**



## Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Jun'22

I op Performi	ng Terminal
Allcargo Lo	gistics CFS
May'22	Jun'22
110.3 hrs	114.0 hrs
Low Performi	ng Terminal
A L Logis	tics CFS
May'22	Jun'22
-	165.3 hrs
Note: The performance benchmarking	s based on performance index
The arrows depict increase/decr stakeholders in comparison to M	ease in overall performance of the ay'22
Performance Inc	lex - Summary
In order to assess the relative performance of varia ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the per basis of these two combined factors i.e. Dwell time	ne of containers handled by them are depicted
Star Performer	
	and Volume
Star Performer Consist of entities which have catered relatively	and Volume Slow Bulk Movers Consist of entities which have catered higher container volume in higher dwell

CFS

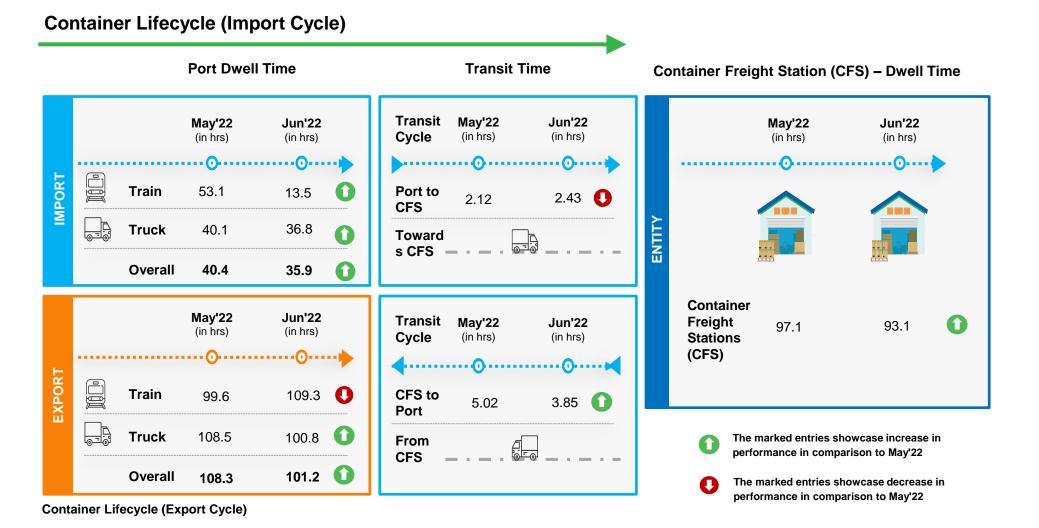
Kindly refer to Annexure section for the names of

# Annexure

# Individual Terminal Performance In

# Southern Corridor





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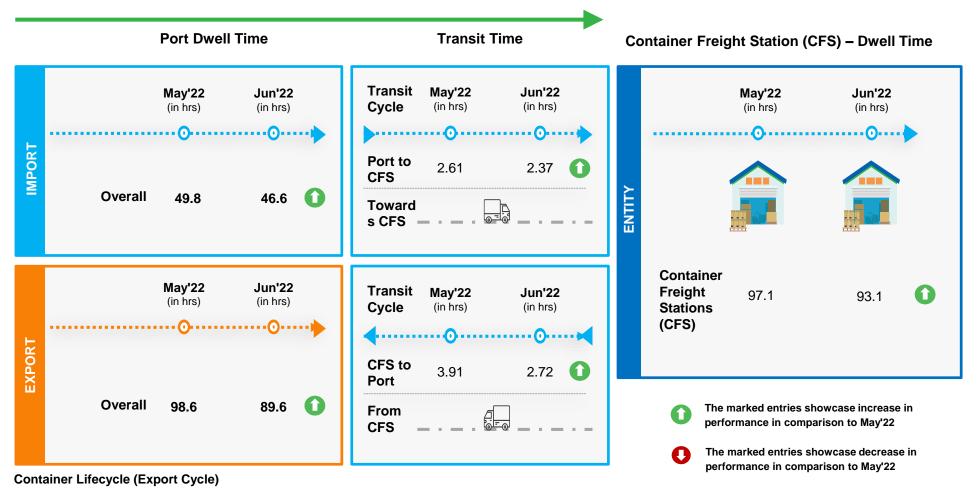
#### **Port Dwell Time Transit Time Container Freight Station (CFS) – Dwell Time** Transit May'22 May'22 Jun'22 Jun'22 May'22 Jun'22 Cycle (in hrs) (in hrs) (in hrs) (in hrs) (in hrs) (in hrs) ••••••• **0**•• **.**... . . . . . . **O**--• • • • • • • • IMPORT Port to 0.21 0.20 $\mathbf{\Omega}$ CFS ENTITY O Overall 46.6 39.1 Toward <u>F</u> s CFS Container May'22 Jun'22 Transit May'22 Freight Jun'22 A 124.7 120.0 (in hrs) (in hrs) Cycle Stations (in hrs) (in hrs) (CFS) ..... **O** .... • • • • • • • EXPORT CFS to 0.55 0.49 A Port Overall 88.9 $\mathbf{\Omega}$ 94.4 The marked entries showcase increase in From 1 performance in comparison to May'22 CFS The marked entries showcase decrease in О performance in comparison to May'22 **Container Lifecycle (Export Cycle)**

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

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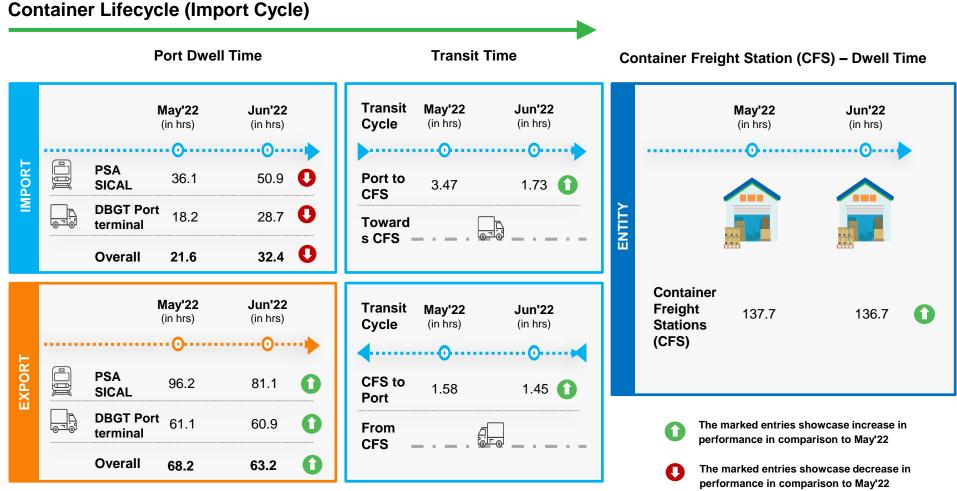


## Container Lifecycle (Import Cycle)



# **Tuticorin Port Terminal: Container Transportation**

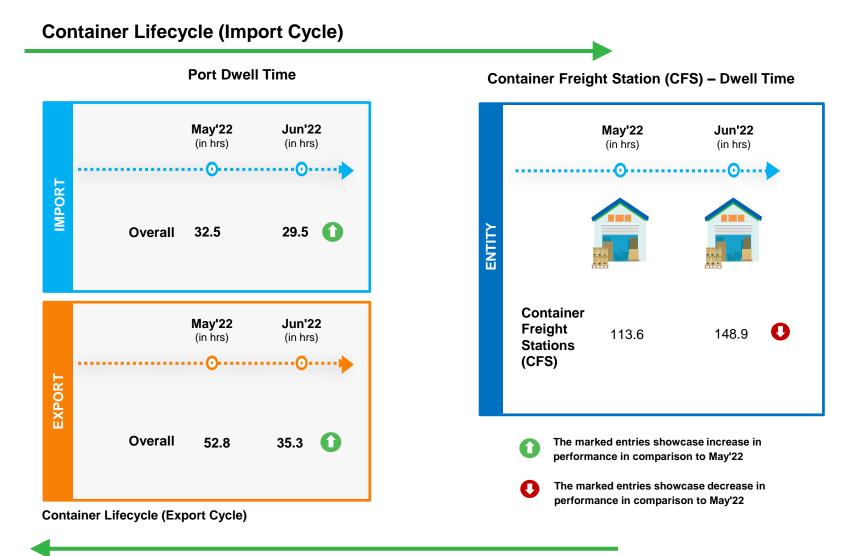




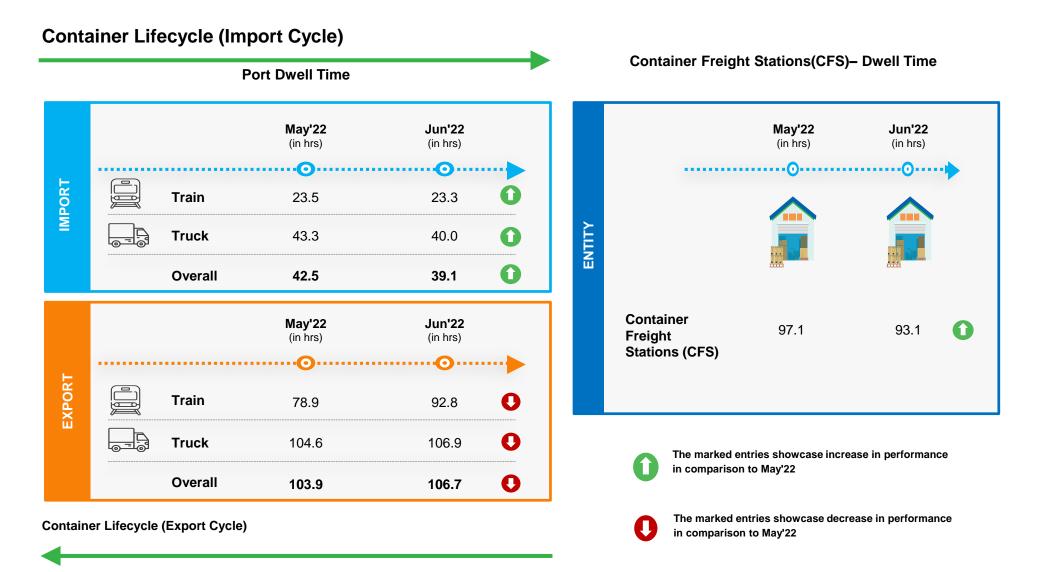
**Container Lifecycle (Export Cycle)** 

# Krishnapatnam Port Terminal: Container Transportation





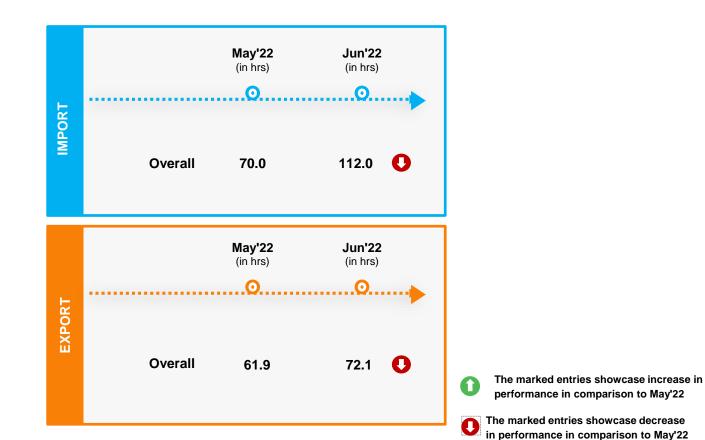




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## New Mangalore Port Terminal: Container Transportation





### **Port Dwell Time**

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# Individual Terminal Performance In

# **Eastern Corridor**

AGAMEMNON Monrovia IMO 9315381

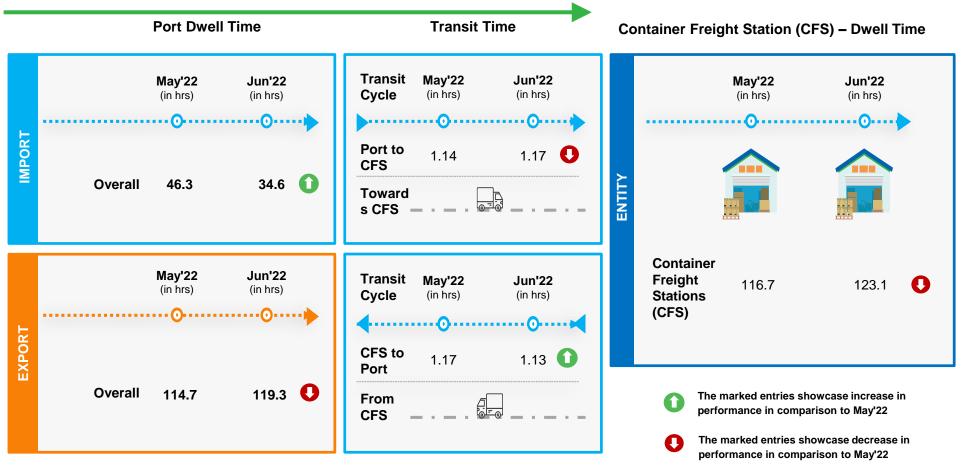


#### **Container Lifecycle (Import Cycle) Port Dwell Time Transit Time Container Freight Station (CFS) – Dwell Time** Transit May'22 May'22 Jun'22 Jun'22 May'22 Jun'22 Cycle (in hrs) (in hrs) (in hrs) (in hrs) (in hrs) (in hrs) ••••••• • • • • • • • 0--**.**... **.**... . . . . . . IMPORT Port to 2.21 2.22 🚺 CFS 61.3 $\mathbf{\Omega}$ ENTITY Overall 84.8 Toward s CFS Container May'22 Jun'22 Transit Mav'22 Freight Jun'22 0 128.8 136.6 (in hrs) (in hrs) Cycle Stations (in hrs) (in hrs) (CFS) ..... **O** .... · ()· · · · · · · EXPORT CFS to 2.08 🚺 1.60 Port Overall 0 81.8 94.0 The marked entries showcase increase in From 1 performance in comparison to May'22 CFS The marked entries showcase decrease in О performance in comparison to May'22

**Container Lifecycle (Export Cycle)** 



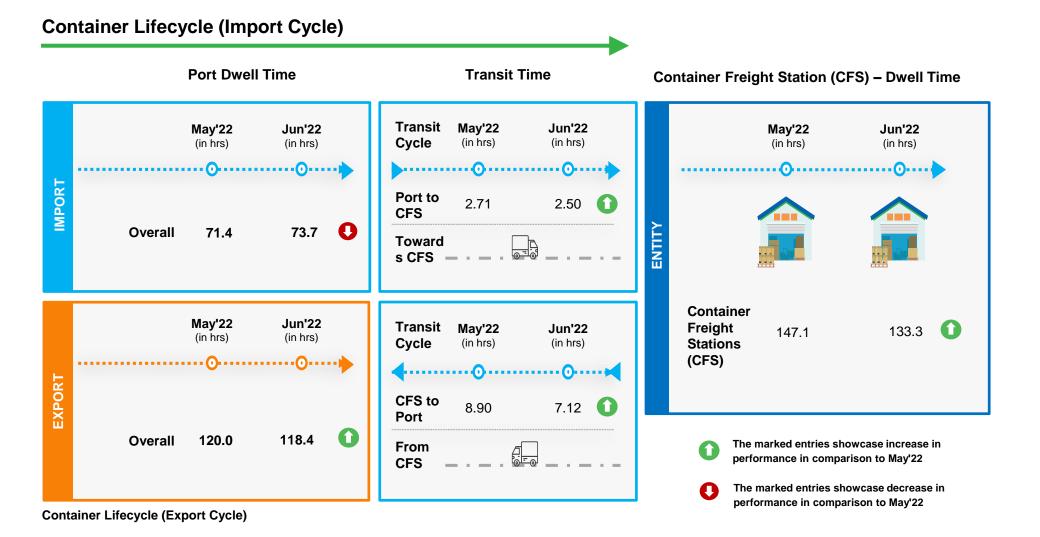
#### Container Lifecycle (Import Cycle)



#### Container Lifecycle (Export Cycle)

# Haldia Port Terminal: Container Transportation





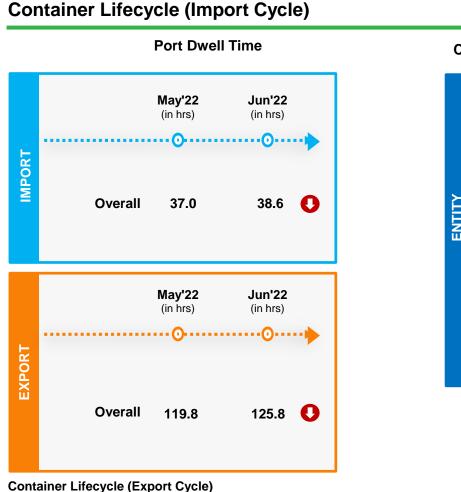
#### © NICDC Logistics Data Services Limited -----

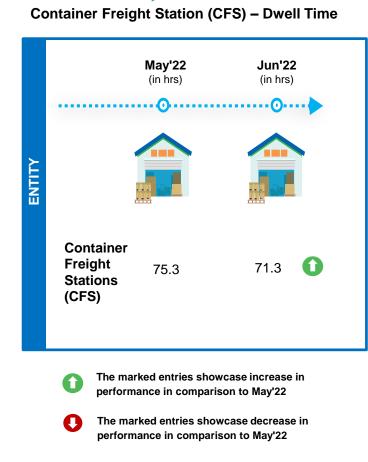
# Individual Terminal Performance In

# Western Corridor

# Pipavav Port Terminal: Container Transportation



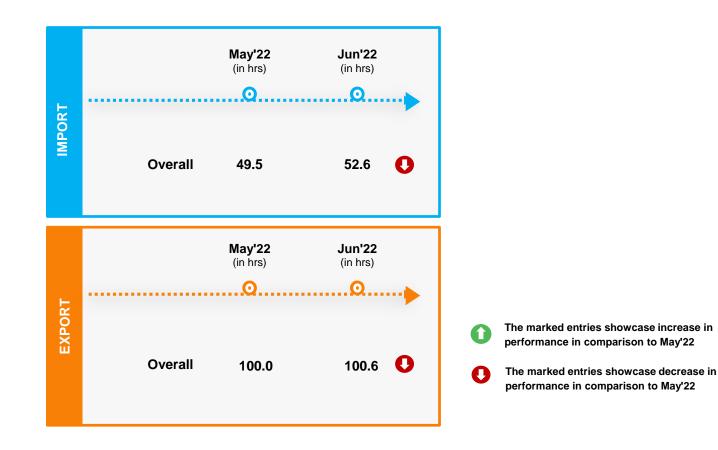




# Kandla Port Terminal: Container Transportation

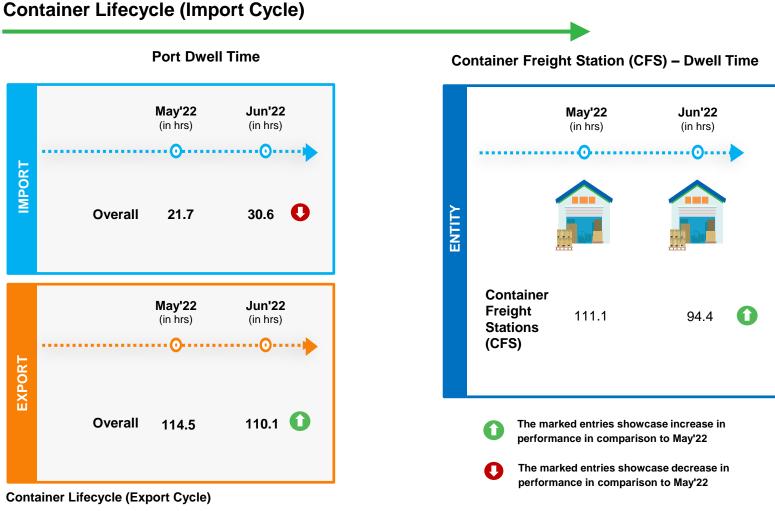


#### **Port Dwell Time**



# Hazira Port Terminal: Container Transportation

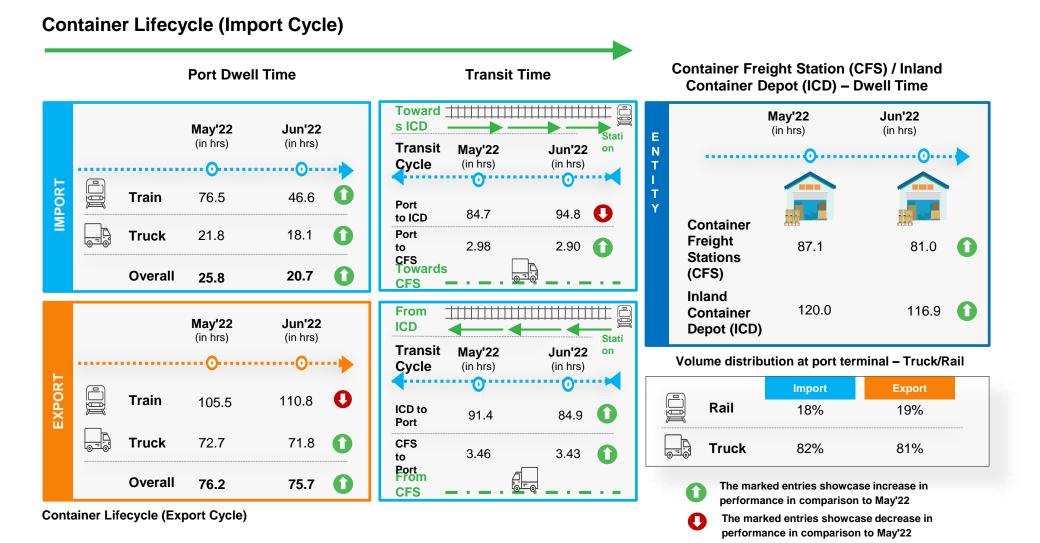




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# **Container Transportation- JNPA Port Terminals**





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# Container Transportation- JNPA Port Terminals



MPORT CYCLE DW	/ELL TIME (Jun'22 – in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	20.7	19.8% 👚
	Port Dwell Time for Truck Bound Containers	18.1	17.0% 🔶
	Port Dwell time for Train Bound Containers	46.6	39.1% 🔶
Port dwell time	Port Dwell time Direct Port Delivery (DPD) containers	32.0	17.5% 🔶
	Port Dwell time Containers bound for CFS	16.8	10.2% 🔶
	Port Dwell for Empty Containers	27.3	30.9% 🔶
	Port Dwell for Laden Containers	19.4	15.3% 🛖
<b>T</b> ana a 16 61 an a	Port to ICD	94.8	11.9% 🖊
Transit time	Port to CFS	2.90	2.7% <b>C</b> or to
EXPORT CYCLE DV	VELL TIME (Jun'22– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	75.7	0.7%
	Port Dwell Time for Truck Bound Containers	71.8	1.2% 🔶
	Port Dwell time for Train Bound Containers	110.8	5.0% 🕂
Port dwell time	Port Dwell time Direct Port Entry (DPE) containers	77.4	1.5% 🔶
	Port Dwell time Containers bound from CFS	71.6	3.1% 🕇
	Port Dwell for Empty Containers	68.6	3.0% 🔶
	Port Dwell for Laden Containers	77.1	0.3% 🕇
Transit time	ICD to Port	84.9	7.1% <b>C</b> o
	CFS to Port	3.43	0.9% <b>to</b>

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

# 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



# Container Handled: Day wise (Jun'22 )Parking<br/>PlazaWithin<br/>6 hrsWithin<br/>6- 24 hrsMore than<br/>24 hrsJNPA Central<br/>Parking Plaza54%42%4%

#### Parking Plaza Gate Out – Terminal In

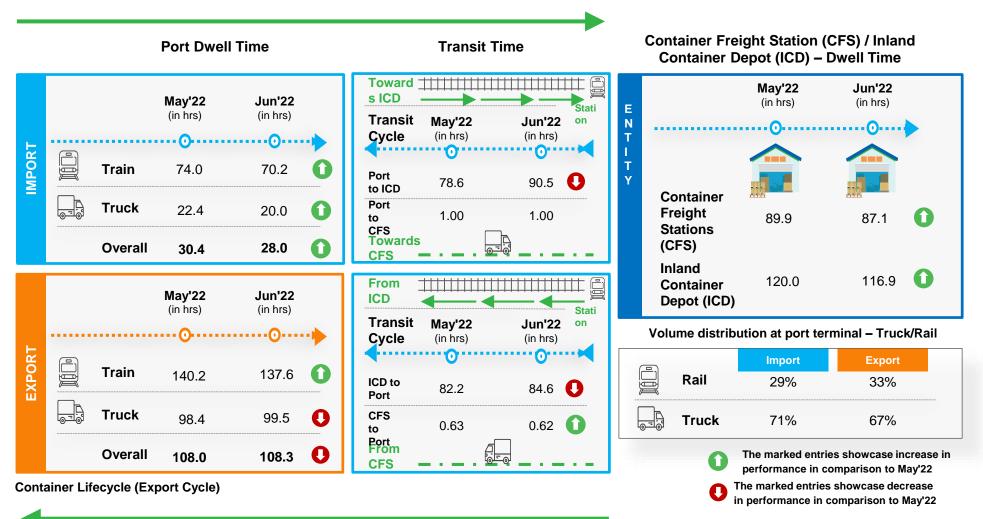
Mode	May'22 (in hrs)	Jun'22 (in hrs)
Overall Parking Plaza to JNPA Port	1.49	1.28
Port	May'22 (in hrs)	Jun'22 (in hrs)
JNPCT	1.2	1.9
NSICT	1.0	0.9
GTI	0.8	0.8
NSIGT	1.7	0.9
BMCT	3.0	3.1

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

Port Terminals	Within 6 hrs	Within 6- 24 hrs	More than 24 hrs
JNPCT	88%	12%	0%
NSICT	96%	4%	0%
GTI	98%	2%	0%
NSIGT	96%	3%	1%
вмст	87%	13%	0%



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



© NICDC Logistics Data Services Limited -

# Container Transportation- Mundra Port Terminal



IMPORT CYCLE	DWELL TIME (Jun'22– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	28.0	7.9%
Port dwell time	Port Dwell Time for Truck Bound Containers	20.0	10.7%
	Port Dwell time for Train Bound Containers	70.2	5.1%
Tranait time	Port to ICD	90.5	15.1 📕
Transit time	Port to CFS	1.00	0%
EXPORT CYCLE	DWELL TIME (Jun'22– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	108.3	0.3% 🖊
Port dwell time	Port Dwell Time for Truck Bound Containers	99.5	1.1% 🖊
	Port Dwell time for Train Bound Containers	137.6	1.9% 🕇
Transit time	ICD to Port	84.6	2.9% 🖊
	CFS to Port	0.62	1.6% 🕇
			1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (



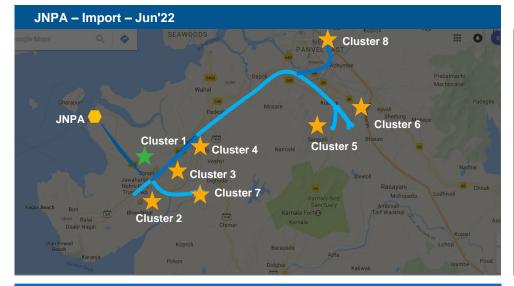
The arrows depict increase/decrease in performance of the stakeholders in comparison to May'22

# **Congestion Analysis**

NORTHERN JUSTIC

#### **JNPA Region: Congestion Analysis**





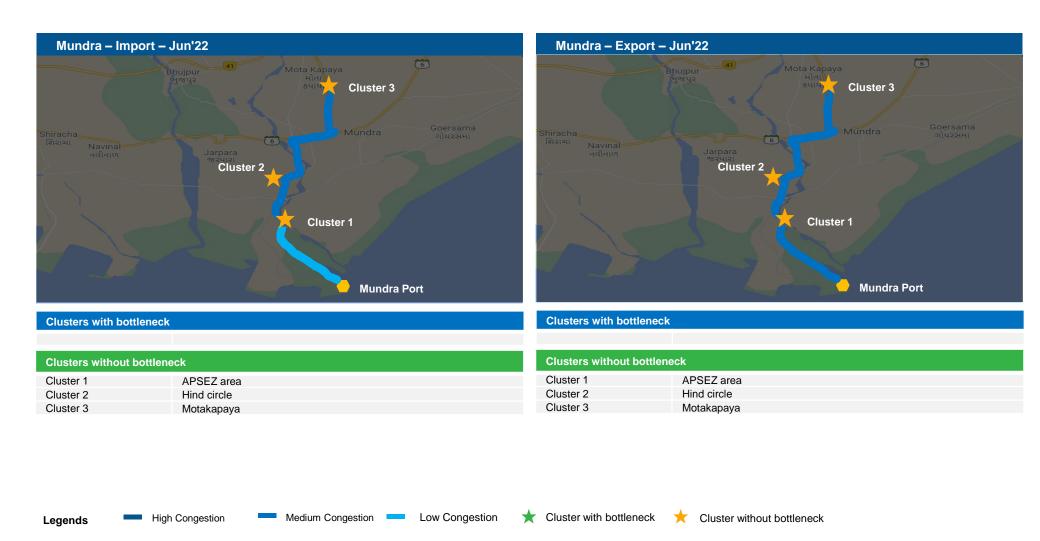
Clusters with bottleneck		
Cluster 1	JNPA area	
Clusters without bottleneck		
Cluster 2	Bhendkhal area, khopate road	
Cluster 3	Sonari area, JNPA road	
Cluster 4	Chirle area, JNPA road	
Cluster 5	Plaspa area, coach kanyakumari highway	
Cluster 6	Salva apta rd area, bangalore highway	
Cluster 7	Patilpada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



Clusters with bottleneck		
Cluster 1	JNPA area	
Cluster 8	Taloja, navi mumbai	
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 with bottleneck	Cluster without bottleneck	

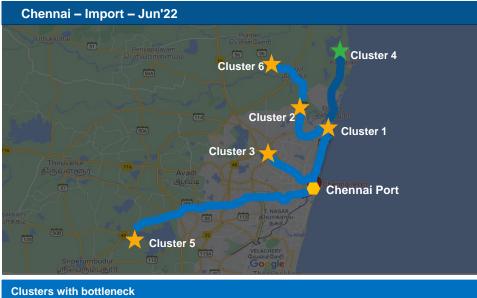
### Mundra Region: Congestion Analysis





## Chennai Region: Congestion Analysis





Chennai – Exp	ort – Jun'22			
Uthukkottai	Periyapalayan Ouffuurroornuub	Cluster 6	Cluster 4	
	60.	Cluster 2	Cluster 1	
16 Thiruvallur	716	Cluster 3		
திருவள்ளூர் ரை Jakkám	Avadi ஆவா	T. NAGAR	Chennai Port	
insisio ரை Sriperumbudu ஸ்ரீபெரும்புத		32 Bai		

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

Clusters with bottle	neck
Cluster 1	Chennai port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Clusters without bo	ttleneck
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area

Legends

High Congestion

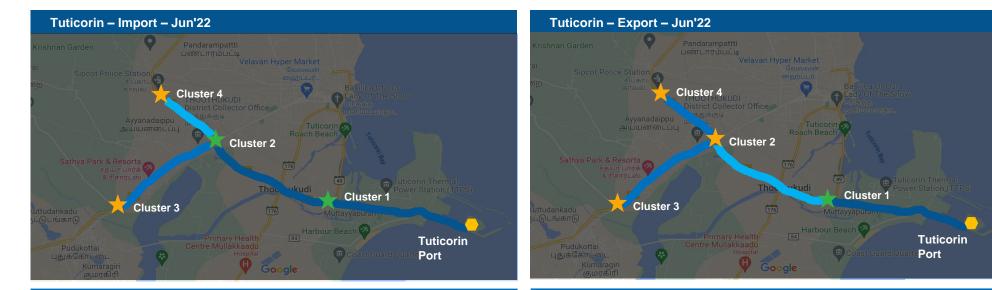
Medium Congestion Low Congestion

Cluster with bottleneck

Cluster without bottleneck

## **Tuticorin Region: Congestion Analysis**





Clusters with bottleneck	
Cluster 1	Near by VOC road
Cluster 2	Periyanayagapuram, 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 b	ottleneck	
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road	
Cluster 3	3 Tirunelveli road near by Podukottai	
Cluster 4	Sipcot area near by Madurai road	

Legends

High Congestion

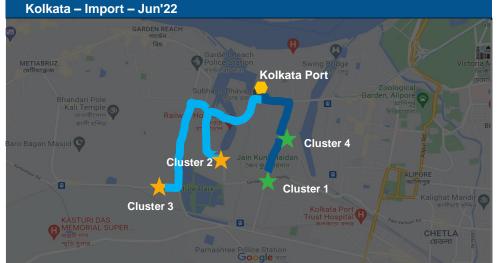
Medium Congestion Low Congestion

Tuster with bottleneck

Cluster without bottleneck \*

## Kolkata Region: Congestion Analysis





Kolkata – Export – J	un'22		
GAF	NEN REACH नार्डन निक Garden Reach	Bwing Bridge	Ga Victoria M
মেটিয়াব্রুজ	গার্ডেনরিচ থানা 🥂	olkata Port	ভিক্টো মেমোর্নি
Bhandari Pole Kali Temple ভাব্যবীপোল কাপী মন্দির	Subhash Bhavan ਮੁਰਾਬ ਯੋਗ Railw Ho ਅਧਰ ਬਹੁ ਜਹਰਜ	Garde	oological n, Alipore আলিপুর চিড়িয়াখানা
Baro Bagan Masjid 🍳		Cluster 4	Alipur.Rd
Samoahpur Ra	Cluster 2	,ग्रामान	
	ture Park	Cluster 1	আলিপুর Kalighat Mandir 🚕
	ster 3	Kolkata Port Trust Hospital	কালীঘাট মন্দির
KASTURI DAS MEMORIAL SUPER বন্দুট বাগ স্মৃতি সুপাৱ		কলকাতা বন্দর	Raja Santosh Rd CHETLA
-মৃত বুপার	Parnashree Police Sta Google		

Clusters with bott	leneck			
Cluster 1 Base bridge area				
Cluster 4	5			
Clusters without b	pottleneck			
Cluster 2	Sonapur road area			

Clusters with bottle	neck			
Cluster 1	Base bridge area			
Cluster 2	Sonapur road area			
Clusters without bo	ttleneck			
Clusters without bo Cluster 4	ttleneck Babu bazar area			

Legends

High Congestion

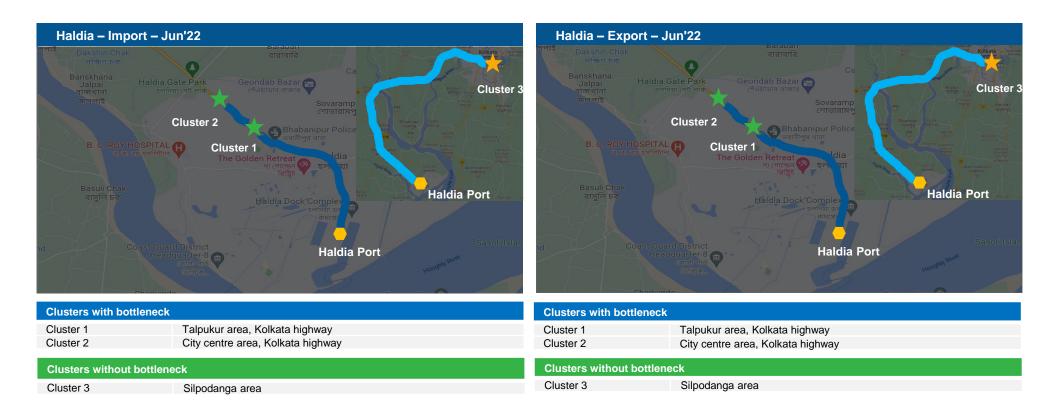
Medium Congestion Low Congestion

★ Cluster with bottleneck

Cluster without bottleneck

### Haldia Region: Congestion Analysis





Legends

High Congestion

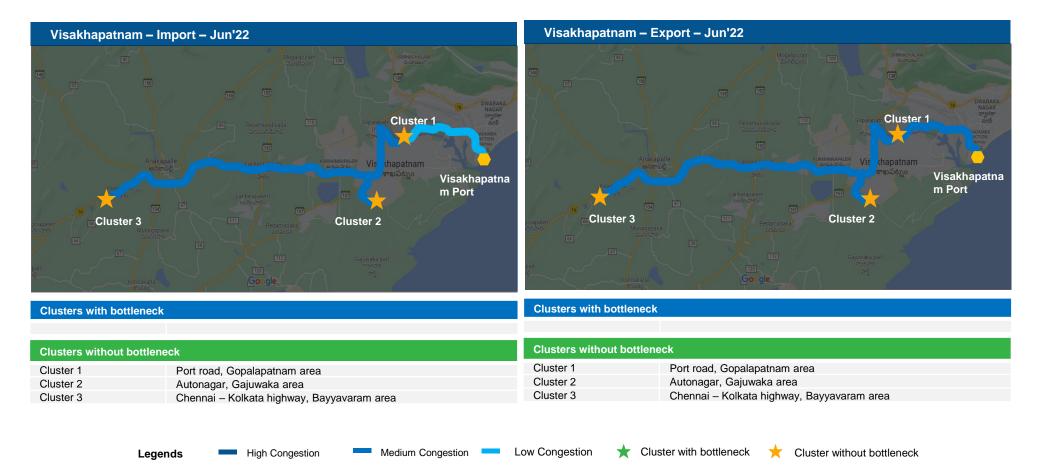
Medium Congestion Low Congestion

Cluster with bottleneck Transfer

Cluster without bottleneck T

#### Visakhapatnam Region: Congestion Analysis





# Container Movement across India



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

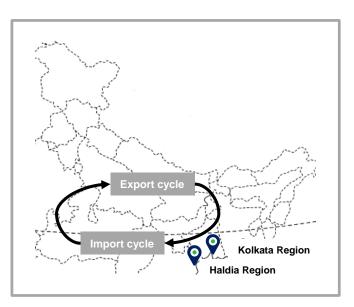
#### **Kolkata Port Terminal**

	Mode	ICP Raxaul
	Overall	88.0 hrs
e	Road	116.1 hrs
U Č	Rail	76.8 hrs
Import Cycle		
=	Haldia Port	Terminal
	Mode	ICP Raxaul
	Overall	-

#### Kolkata Port Terminal

	Mode	ICP Raxaul
	Overall	360.9 hrs
e c	Road	350.6 hrs
ò	Rail	361.6 hrs
Export Cycle	Haldia Port	Terminal

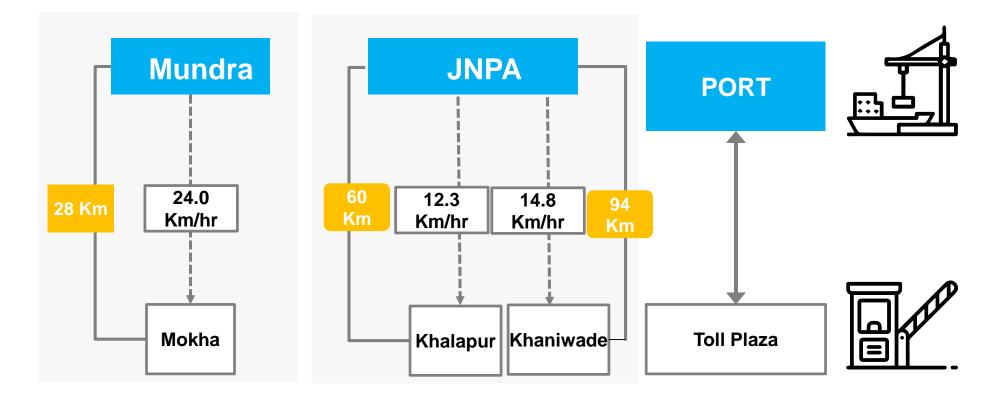
Mode	ICP Raxaul
Overall	677.3 hrs



# **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 (in	Avera	age Speed (in	Km/h)
Кедіон	FOIT		KM)	Apr'22	May'22	Jun'22
Western	Hazira	Boriach	77	5.1	8.0	8.2
	KOPT(Kolkata)	Dankuni	24	2.6	2.3	1.2
Eastern	HICT(Haldia)	Debra	100	6.6	4.2	8.6
	nici (naiula)	Jaladhulagori	101	8.1	5.4	9.4
	Chennai	Surapattu	18	-	-	
		Nallur	23	2.0	1.5	1.6
	Kochi NMPT (New Manglore) Kattupalli	Kumbalam	13	0.7	0.7	0.7
		GIPL Palayekara	71	10.7	13.2	8.9
		Brahamarakotlu	25	1.6	1.7	1.5
Southern		Talapady	22.5	2.9	2.8	2.3
		Gundmi	68	4.9	4.2	4.6
		Surapattu	36	-	-	-
		Nallur	33	3.6	2.0	5.7
	Ennore	Surapattu	35	-	-	-
	Tuticron	VoCPT CheckPost1	4.3	14.3	14.2	14.3

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

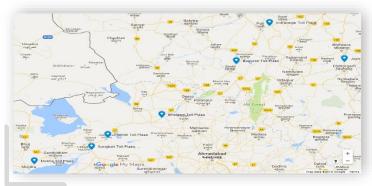


	Source	Destination Toll Plaza	Inter Distance (Km)	May'22 (in km/hrs)	Jun'22 (in km/hrs)	
	JNPA	Khaniwade	94	14.3	14.8	
	JNPA	Khalapur	60	9.9	12.3	
۲c	Khaniwade	Charoti	50	35.9	36.0	
JNPA	Charoti	Boriach	126	28.2	27.6	
	Boriach	Bharthan	142	33.3	31.9	
	Bharthan	Vasad	60	38.3	38.6	
	Khalalpur	Khedshivpur	105	33.7	-	
	Mundra	Mokha	28	23.4	24.0	
DRA	Mokha	Makhel	150	25.3	25.0	
MUNDRA	Mokha	Surajbari	115	25.7	26.1	
2	Makhel	Bhalgam	108	34.1	35.1	

#### Avg. Speed between Toll to Toll Plazas







## 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	ne 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



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

1	Allcargo Logistics CFS	KOLKATA
2	Century Plyboards CFS, JJP	KOLKATA
3	Phonex CFS	KOLKATA
4	Gateway East India CFS	VISAKHAPATNAM
5	A L Logistics CFS	HALDIA
6	Sravan CFS-1	VISAKHAPATNAM
7	Balmer Lawrie CFS	KOLKATA
8	VCT CFS	VISAKHAPATNAM
9	Century Plyboards CFS, Sonai	KOLKATA
10	VPL Integral CFS	VISAKHAPATNAM
11	SICAL CFS	VISAKHAPATNAM
12	CWC CFS, Kolkata	KOLKATA
13	Sical CFS, Chennai Tiruvallur Tamil Nadu	Chennai
14	Allcargo Global Logistics CFS, Chennai	Chennai
15	Gateway Distriparks CFS, Chennai	
15	Cateway Distripants of 0, Oriennal	Chennai
16	Continental Warehousing Corporation CFS (Nhava Seva),	
	Chennai	Chennai
17	ALS Tuticorin Terminal Private Limited	TUTICORIN
18	Ennore Cargo Container Terminal CFS, Chennai	Chennai
19	Kailash Shipping Services CFS, Chennai	Chennai
20	Sattva Hi-Tech And Conware CFS, Chennai	Chennai
21	Balmer Lawrie CFS, Chennai	Chennai
22	Calyx Container Terminal CFS, Chennai	Chennai
23	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	Chennai
24	Triway CFS, Chennai	Chennai
25	Sattva Cfs And Logistics CFS, Chennai	Chennai
26	Raja Agencies CFS	TUTICORIN
27	GDKL CFS	
		KOCHI
28	Sanco Trans CFS, Chennai	Chennai
29	St. John Freight Systems Ltd ICD Division	TUTICORIN
30	Sudharsan Logistics CFS, Chennai	
	•	Chennai
31	Diamond CFS Park	TUTICORIN
32	Hari CFS	
		TUTICORIN
33	Chola Logistiks Pvt Ltd	TUTICORIN
34	Chandra CFS, Tiruvallur	Chennai
35	A S Shipping Agencies CFS, Tiruvallur	Chennai
36	Sical CFS, Chennai Tiruvallur Tamil Nadu	Chennai

37	Gateway Distripark CFS, Krishnapatnam	KRISHNAPATNAN
38	Saurashtra CFS, Mundra	Gujarat
39	Gateway Distriparks CFS, Navi Mumbai	Mumbai
40	Adani CFS Eximyard, Mundra	Gujarat
41	JWC Logistics Park CFS	Mumbai
42	Continental Warehousing CFS, Navi Mumbai	Mumbai
43	Navkar Corporation Yard 3 CFS, Panvel	Mumbai
44	Ameya Logistics CFS, Navi Mumbai	Mumbai
45	AllCargo Logistics	Mumbai
46	Speedy Multimode CFS, JNPA	Mumbai
47	Hind Terminals Pvt. Ltd. CFS, Mundra	Gujarat
48	MICT CFS, Mundra	Gujarat
49	International Cargo Terminals (ULA) CFS, Navi Mumbai	Mumbai
50	CWC CFS, Mundra	Gujarat
51	Ashte Logistics CFS, Panvel	Mumbai
52	Sarveshwar CFS	Mumbai
53	Ashutosh CFS, Mundra	Gujarat
54	Honey Comb CFS, Mundra	Gujarat
55	Seabird CFS, Mundra	Gujarat
56	Mundhra CFS, Mundra	Gujarat
57	Apollo Logisolutions CFS, Panvel	Mumbai
58	Seabird CFS, Navi Mumbai	Mumbai
59	EFC Logistics India	Mumbai
60	TG Terminals CFS, Mundra	Gujarat
61	Navkar Corporation Yard 2 CFS, Panvel	Mumbai
62	Adani CFS, Hazira	Gujarat
63	Dronagiri Rail Terminal CFS, Navi Mumbai	Mumbai
64	Ocean Gate CFS, Panvel	Mumbai
65	AllCargo CFS, Mundra	Gujarat
66	Rishi CFS, Mundra	Gujarat
67	Vaishno Logistics CFS, Navi Mumbai	Mumbai
68	Take Care Logistics CFS	Mumbai
69	International Cargo Terminal CFS	Mumbai
70	TG Terminals CFS	Mumbai
71	Landmark CFS, Mundra	Gujarat
72	Saurashtra CFS, Mundra	Gujarat

M	73	Balmer & Lawrie CFS, Navi Mumbai	Mumbai
	74	Punjab Conware CFS, Navi Mumbai	Mumbai
	75	Seabird CFS, Hazira	Gujarat
	76	Kerry Indev Logistics Pvt Ltd CFS	Mumbai
	77	APM (Maersk India) CFS, Navi Mumbai	Mumbai
	78	Maersk Annex (APM)CFS, Navi Mumbai	Mumbai
	79	A V Joshi CFS	Gujarat
	80	Empezar Logistics CFS	Gujarat
	81	Maharashtra State Corp CFS	Mumbai
	82	Transworld CFS, Mundra	Gujarat
	83	Navkar Corporation Yard 1 CFS, Panvel	Mumbai
	84	Hind Terminal CFS, Hazira	Gujarat
	85	CWC Impex Park CFS, Navi Mumbai	Mumbai
	86	JWR CFS	Mumbai
	87	Balmer & Lawrie CFS, Navi Mumbai	Mumbai
	88	Punjab Conware CFS, Navi Mumbai	Mumbai
	89	Seabird CFS, Hazira	Gujarat
	90	Kerry Indev Logistics Pvt Ltd CFS	Mumbai
	91	APM (Maersk India) CFS, Navi Mumbai	Mumbai
	92	Maersk Annex (APM)CFS, Navi Mumbai	Mumbai
	93	A V Joshi CFS	Gujarat
	94	Empezar Logistics CFS	Gujarat
	95	Maharashtra State Corp CFS	Mumbai
	96	Transworld CFS, Mundra	Gujarat

# Annexure – Western Region



List of CFS name used in CFS Performance Index					
1	Saurashtra CFS, Mundra	24	Navkar Corporation Yard 2 CFS, Panvel		
2	Gateway Distriparks CFS, Navi Mumbai	25	Adani CFS, Hazira		
3	Adani CFS Eximyard, Mundra	26	Dronagiri Rail Terminal CFS, Navi Mumba		
4	JWC Logistics Park CFS	27	Ocean Gate CFS, Panvel		
5	Continental Warehousing CFS, Navi Mumbai	28	AllCargo CFS, Mundra		
6	Navkar Corporation Yard 3 CFS, Panvel	29	Rishi CFS, Mundra		
7	Ameya Logistics CFS, Navi Mumbai	30	Vaishno Logistics CFS, Navi Mumbai		
8	AllCargo Logistics	31	Take Care Logistics CFS		
9	Speedy Multimode CFS, JNPA	32	International Cargo Terminal CFS		
10	Hind Terminals Pvt. Ltd. CFS, Mundra	33	TG Terminals CFS		
11	MICT CFS, Mundra	34	Landmark CFS, Mundra		
12	International Cargo Terminals (ULA) CFS, Navi	35	Balmer & Lawrie CFS, Navi Mumbai		
12	Mumbai	36	Punjab Conware CFS, Navi Mumbai		
13	CWC CFS, Mundra	37	Seabird CFS, Hazira		
14	Ashte Logistics CFS, Panvel	38	Kerry Indev Logistics Pvt Ltd CFS		
15	Sarveshwar CFS	39	APM (Maersk India) CFS, Navi Mumbai		
16		40	Maersk Annex (APM)CFS, Navi Mumbai		
10	Ashutosh CFS, Mundra	41	A V Joshi CFS		
17	Honey Comb CFS, Mundra	42	Empezar Logistics CFS		
18	Seabird CFS, Mundra	43	Maharashtra State Corp CFS		
19	Mundhra CFS, Mundra	44	Transworld CFS, Mundra		
20	Apollo Logisolutions CFS, Panvel	45	Navkar Corporation Yard 1 CFS, Panvel		
21	Seabird CFS, Navi Mumbai	46	Hind Terminal CFS, Hazira		
22	EFC Logistics India	47	CWC Impex Park CFS, Navi Mumbai		
23	TG Terminals CFS, Mundra	48	JWR CFS		

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.				

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# Annexure – Southern & Eastern Region



List of CFS name used in Southern CFS Performance Index						
1		20	Sattva Hi-Tech And Conware CFS, Chennai			
1	Allcargo Logistics CFS	21	Balmer Lawrie CFS, Chennai			
2	Century Plyboards CFS, JJP	22	Calyx Container Terminal CFS, Chennai			
		23	Adani CFS, Kattupalli Tiruvallur Tamil Nadu			
3	Phonex CFS	24	Triway CFS, Chennai			
4		25	Sattva Cfs And Logistics CFS, Chennai			
4	Gateway East India CFS	26				
5	A L Logistics CFS		GDKL CFS			
		28				
6	Sravan CFS-1	29	<b>3</b> ,			
7		30				
,	Balmer Lawrie CFS	31	Diamond CFS Park			
8	VCT CFS	32				
0			Chola Logistiks Pvt Ltd			
9	Century Plyboards CFS, Sonai		Chandra CFS, Tiruvallur			
10		35	A S Shipping Agencies CFS, Tiruvallur			
10	VPL Integral CFS	36	Hind Terminals CFS, Chennai			
11	SICAL CFS	37	Continental Warehousing Corporation Nhava Sheva Ltd.			
12	CWC CFS, Kolkata	38	Sical Multimodal and Rail Transport Ltd CFS Division			
		39	Apm Terminals India CFS, Tiruvallur			
13	Sical CFS, Chennai Tiruvallur Tamil Nadu	40	MIV CFS			
14	Allcargo Global Logistics CFS, Chennai	41	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur			
15	Gateway Distriparks CFS, Chennai	42	Vilsons CFS			
	Continental Warehousing Corporation CFS (Nhava	43	Thiru Rani Logistics CFS, Tiruvallur			
16	Seva), Chennai		A.S.Shipping Agencies Pvt Ltd			
	Sevaj, Chennar		Glovis India CFS, Kanchipuram			
17	ALS Tuticorin Terminal Private Limited	46	STP Services CFS, Chennai			
18			Prompt Terminals (P) Ltd			
10	Ennore Cargo Container Terminal CFS, Chennai	48	Kerry Indev Logistics Private Limited / Continental Container Freight Station			
17	Kailash Shipping Services CFS, Chennai		Gateway Distripark CFS, Krishnapatnam			

#### List of CFS name used in Eastern CFS **Performance Index** 1 Century Plyboards CFS, JJP 2 Phonex CFS 3 Allcargo Logistics CFS 4 A L Logistics CFS 5 VPL Integral CFS 6 Century Plyboards CFS, Sonai 7 Balmer Lawrie CFS 8 Gateway East India CFS 9 Sravan CFS-1 $^{10}\,$ VCT CFS <sup>11</sup> SICAL CFS

