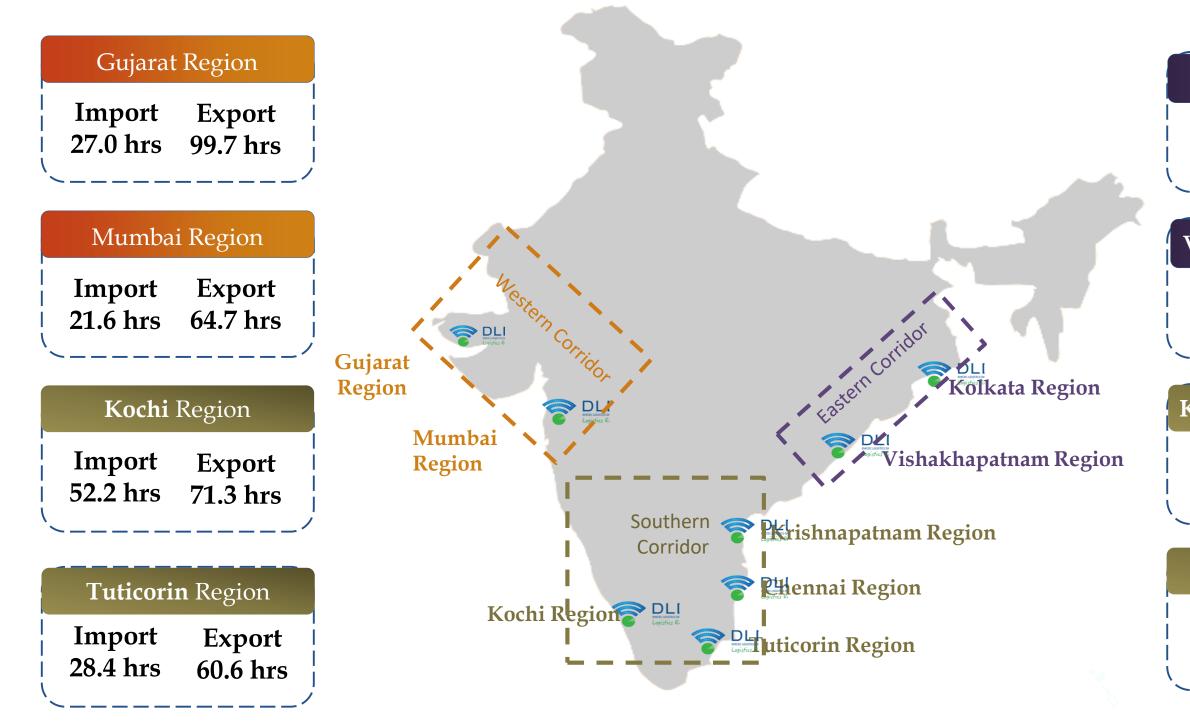
Logistics Databank Analytics Report-July 2019







PAN INDIA Performance Snapshot: July 2019 (Dwell Time)





Kolkata Region Import Export 34.7 hrs 106.5 hrs Vishakhapatnam Region Import Export 41.3 hrs 77.6 hrs Krishnapatnam Region Import Export 104.8 hrs 64.4 hrs Chennai Region Import Export 34.2 hrs 79.7 hrs

Executive Summary (1/2)

▲	ance at Southern Co	<u>Southern Corrido</u> orridor Ports has decreased by 21%	
truck bound containers	Component	Export Dwell Time	Export Dwell Time: Tuck bound containers
	July 2019	73.9 hrs	74.1 hrs
	June 2019	60.9 hrs	60.9 hrs
Import Cycle Port Dwell Tin 17%	ne Performance at K	Kochi Port has improved by 23% w	vhereas Export Cycle Port Dwe
1 5	ne Performance at K Component	Kochi Port has improved by 23% w Import	vhereas Export Cycle Port Dwe Export
1 5			

Eastern Corridor

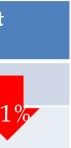
Import Dwell Time Performance at Eastern Corridor has improved by 25% whereas the Export Cycle performance has decreased by 11% •

Component	Import	Eastern Corridor - Export Port Performance
July 2019	41.4 hrs	92.4 hrs
June 2019	55.5 hrs	83.6 hrs



decrease of 22% in handling

ne Performance has decreased by



Executive Summary (2/2)

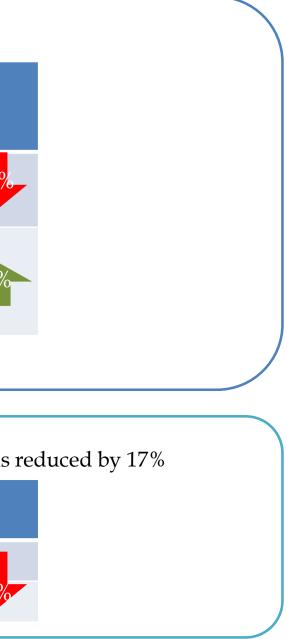
Gujarat Port Terminals (Adani Ports Special Economic Zone) Increase in Import cycle performance has been observed 			
	Component	June'19	July'19
	Port to CFS	1.0 hrs	1.2 hrs 21%
C	Gujarat Region Port Dwell Time (Import)	32.0 hrs	27.0 hrs 15%

Jawaharlal Nehru Port Terminals

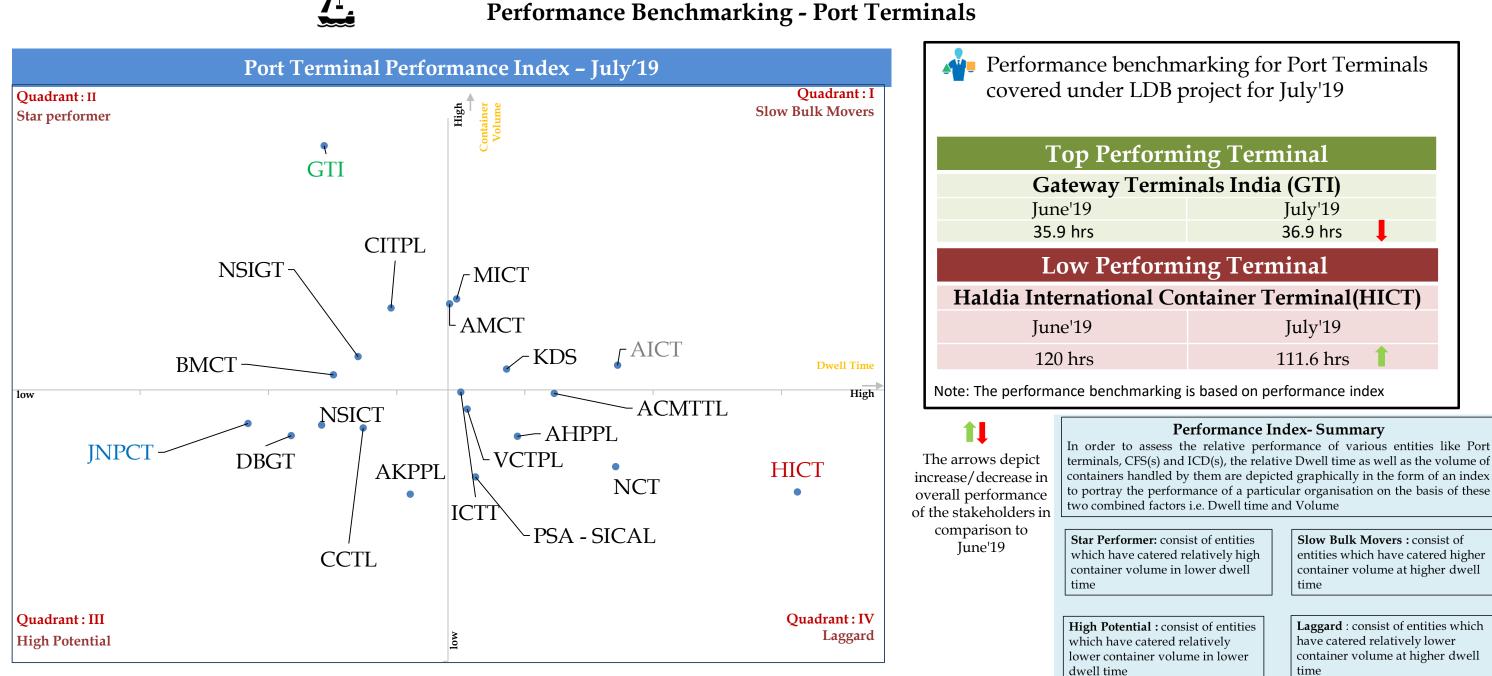
• Import Dwell time performance at JNPT Port has decreased by 14% whereas, the Port to CFS Transit performance is reduced by 17%

Component	Import Cycle	Transit Time – Port to CFS (Import Cycle)
July 2019	21.6 hrs	3.3 hrs
June 2019	19.0 hrs	2.8 hrs 179





Pan India - Port Performance Benchmarking & Performance Index





nsist of entities l relatively high n lower dwell	Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time
nsist of entities relatively ume in lower	Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

Container Transportation Performance - Western Corridor

	Po	ort Dwell Time	
IMPORT	Mode	June'19 (in hrs)	July'19 (in hrs)
MP	Overall	23.0	23.4
	Truck	20.8	20.9
	Train	48.8	52.1

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



Entity	June'19 (in hrs)	July'19 (in hrs)
CFS	85.3	87.1
ICD	131.2	129.6

EXPORT

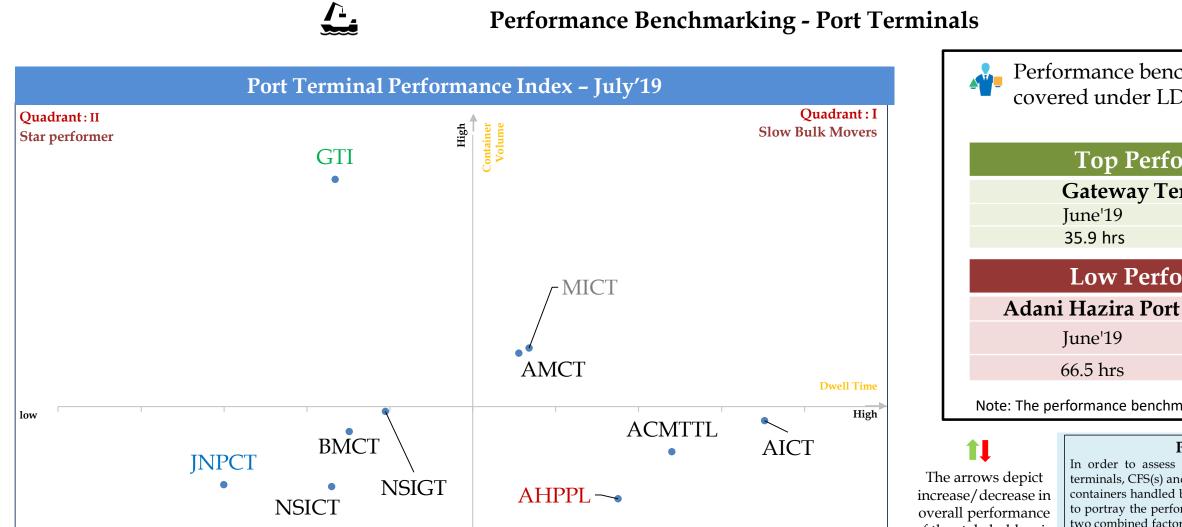
Mode	June'19 (in hrs)	July'19 (in hrs)
Overall	80.2	80.3
Truck	80.1	79.6
Train	80.2	85.1



The marked entries showcase increase in performance in comparison to June'19

The marked entries showcase decrease in performance in comparison to June'19

Port Performance Benchmarking & Performance Index - Western Corridor



low

Quadrant: III

High Potential

of the stakeholders in comparison to Star Performer: con June'19 which have catered container volume ir time

Quadrant: IV

Laggard

High Potential : cor which have catered lower container vol dwell time





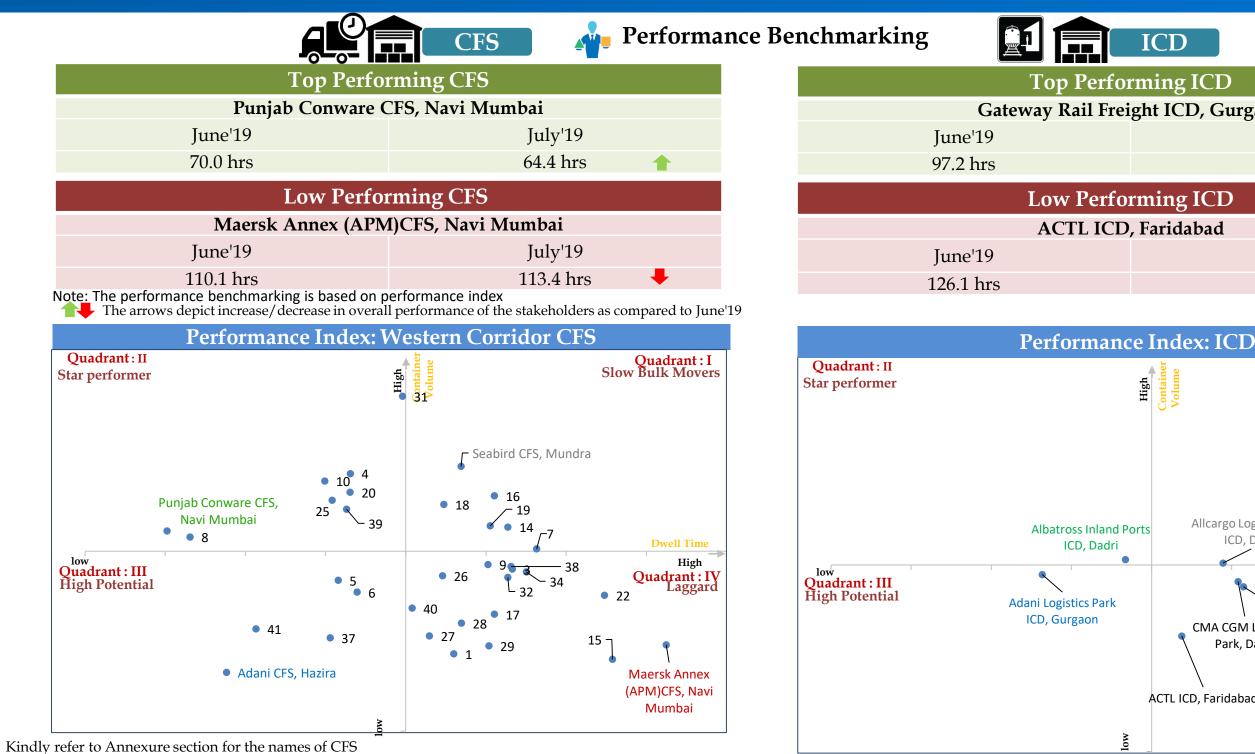
chmarking for Port Terminals OB project for July'19			
orm	orming Terminal		
rmi	nals India (GTI)		
	July'19		
	36.9 hrs		
orming Terminal			
Private Limited (AHPPL)			
	July'19		
	67.4 hrs		
narking is based on performance index			

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

nsist of entities l relatively high n lower dwell	Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time
nsist of entities relatively ume in lower	Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

CFS/ICD Performance Benchmarking & Performance Index - Western Corridor





ICD		
D, Gur	gaon	
	July'19	
	104.5 hrs	+
ICD		
abad		
	July'19	
	137.2 hrs	+

Quadrant: I **Slow Bulk Movers** Allcargo Logistics Park ICD, Dadri **Dwell Time** High CMA CGM Logistics Park, Dadri APM Terminals ICD, Dadri ACTL ICD, Faridabad Quadrant: IV Laggard

Container Transportation Performance - Southern Corridor

	Ро	ort Dwell Time	
IMPORT	Mode	June'19 (in hrs)	July'19 (in hrs)
MP	Overall	40.0	38.6
	Truck	40.3	38.4
	Train	27.7	37.6

Container Freight Stations(CFS) – Dwell Time



Entity	June'19 (in hrs)	July'19 (in hrs)
CFS	107.7	102.3

Mode	June'19 (in hrs)	July'19 (in hrs)
Overall	60.9	73.9
Truck	60.9	74.1
Train	59.7	67.7

XPOR

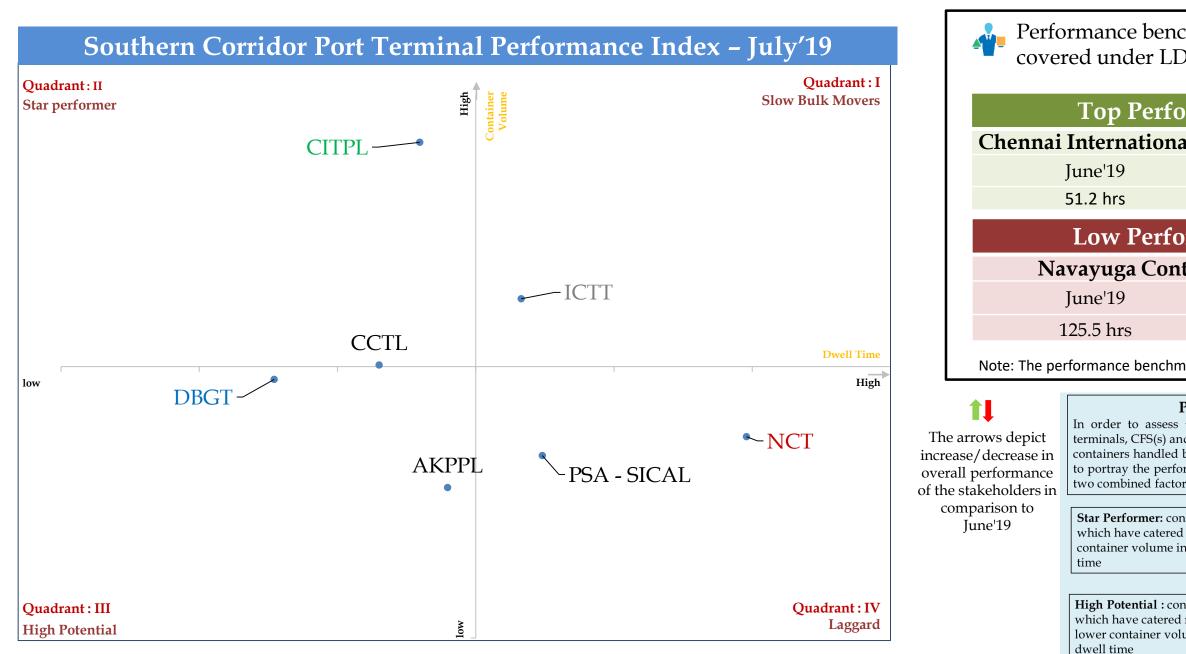


The marked entries showcase increase in performance in comparison to June'19

The marked entries showcase decrease in performance in comparison to June'19

Port Performance Benchmarking & Performance Index - Southern Corridor

Performance Benchmarking - Port Terminals







	arking for Port Terminals roject for July'19	
rm	ing Terminal	
l Te	erminals Pvt Ltd (CITPL)	
	July'19	
	47.5 hrs 👔	
rm	ing Terminal	
tain	er Terminal (NCT)	
	July'19	
	82.9 hrs 1	
arkin	g is based on performance index	

Performance Index- Summary

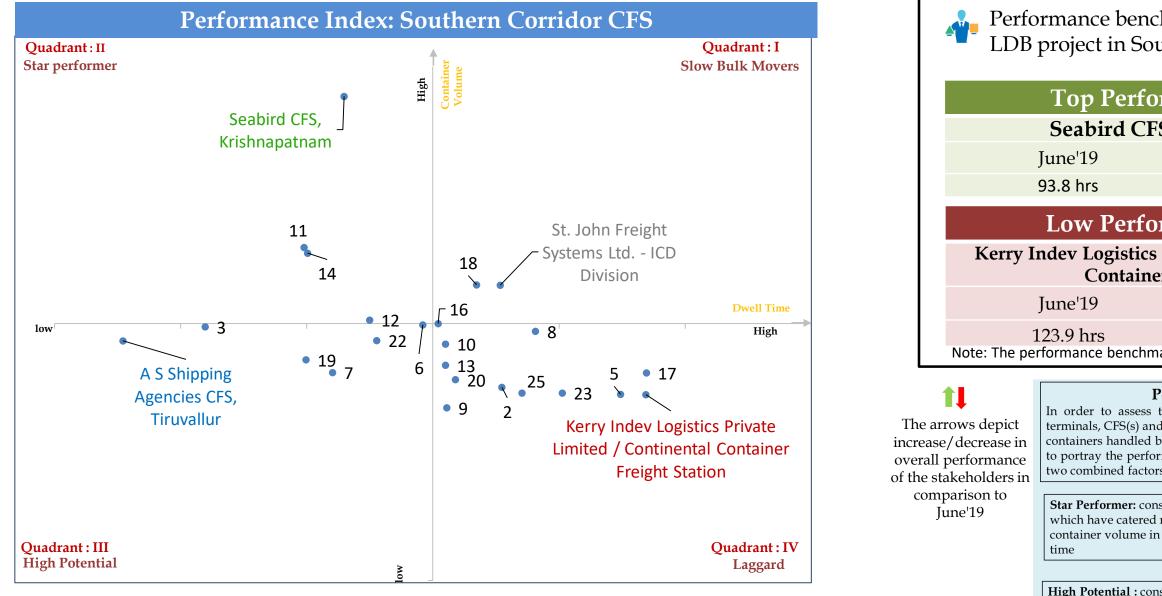
In order to assess the relative performance of various entities like Port terminals, CFS(s) and ICD(s), the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of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

nsist of entities l relatively high n lower dwell	Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time
nsist of entities relatively ume in lower	Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

CFS Performance Benchmarking & Performance Index - Southern Corridor



Performance Benchmarking - CFS







Performance benchmarking for CFS covered under LDB project in Southern Corridor for July'19

rm	ing Terminal	
S, K	Krishnapatnam	
	July'19	
	96.4 hrs 🛛 🖊	
rm	ing Terminal	
Private Limited / Continental er Freight Station		
	July'19	
	186.8 hrs	

Performance Index-Summary

which have catered lower container vol

dwell time

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

nsist of entities l relatively high n lower dwell	Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time
nsist of entities relatively ume in lower	Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

Container Transportation Performance - Eastern Corridor

	Р	ort Dwell Time	
IMPORT	Mode	June'19 (in hrs)	July'19 (in hrs)
MP	Overall	55.5	41.4
	Truck	55.2	40.9
	Train	152.7	171.0

Container Freight Stations(CFS) – Dwell Time



Entity	June'19 (in hrs)	July'19 (in hrs)
CFS	143.1	147.8

Mode	June'19 (in hrs)	July'19 (in hrs)
Overall	83.6	92.4
Truck	83.5	89.0
Train	84.3	136.7

EXPORT



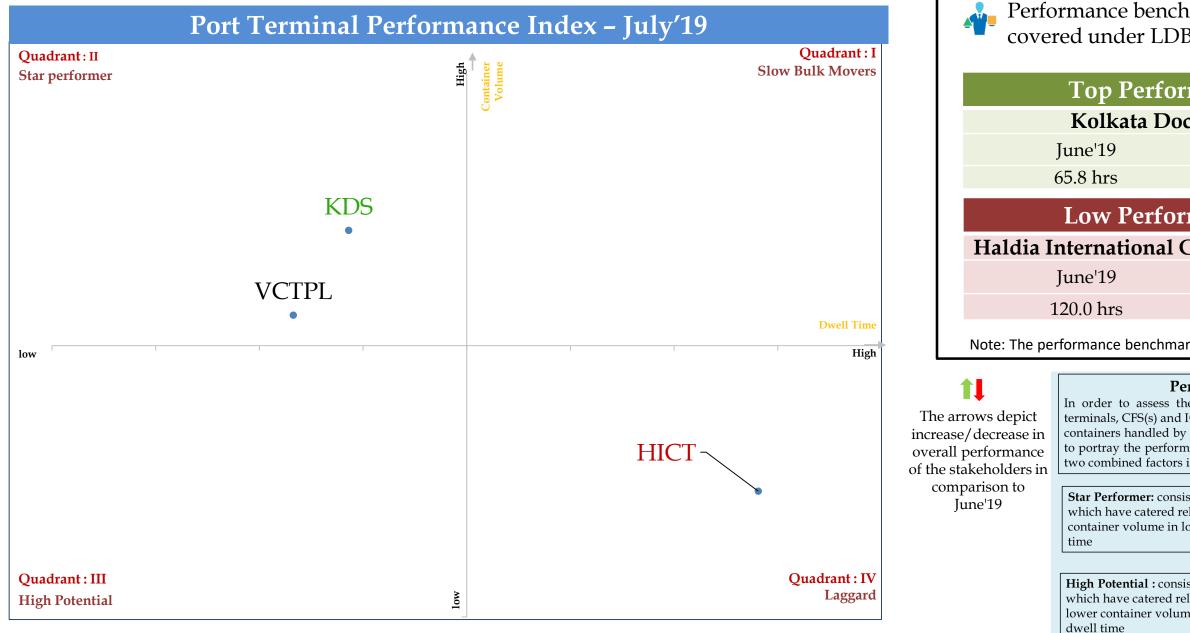
The marked entries showcase increase in performance in comparison to June'19

The marked entries showcase decrease in performance in comparison to June'19

Port Performance Benchmarking & Performance Index - Eastern Corridor



Performance Benchmarking - Port Terminals





	arking for Port Terminals project for July'19	
orm	ing Terminal	
ock	System (KDS)	
	July'19	
	65.7 hrs	
orm	ing Terminal	
	ntainer Terminal (HICT)	
	July'19	
	111.6 hrs 1	
narkin	g is based on performance index	

Performance Index- Summary

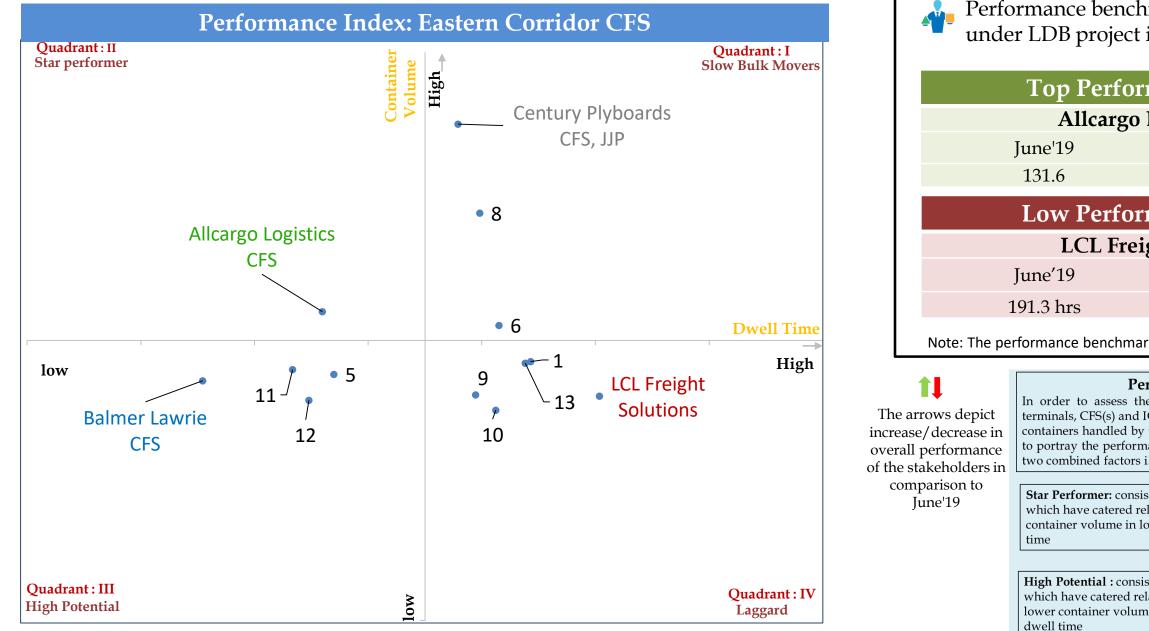
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nsist of entities l relatively high n lower dwell	Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time
nsist of entities relatively ume in lower	Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

CFS Performance Benchmarking & Performance Index - Eastern Corridor



Performance Benchmarking - CFS





Performance benchmarking for CFS covered under LDB project in Eastern Corridor for July'19

orm	rming Terminal		
o Lo	gistics CFS		
	July'19		
	128.1 hrs 📋		
orm	ing Terminal		
eigh	t Solutions		
	July'19		
	176.6 hrs 1		

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

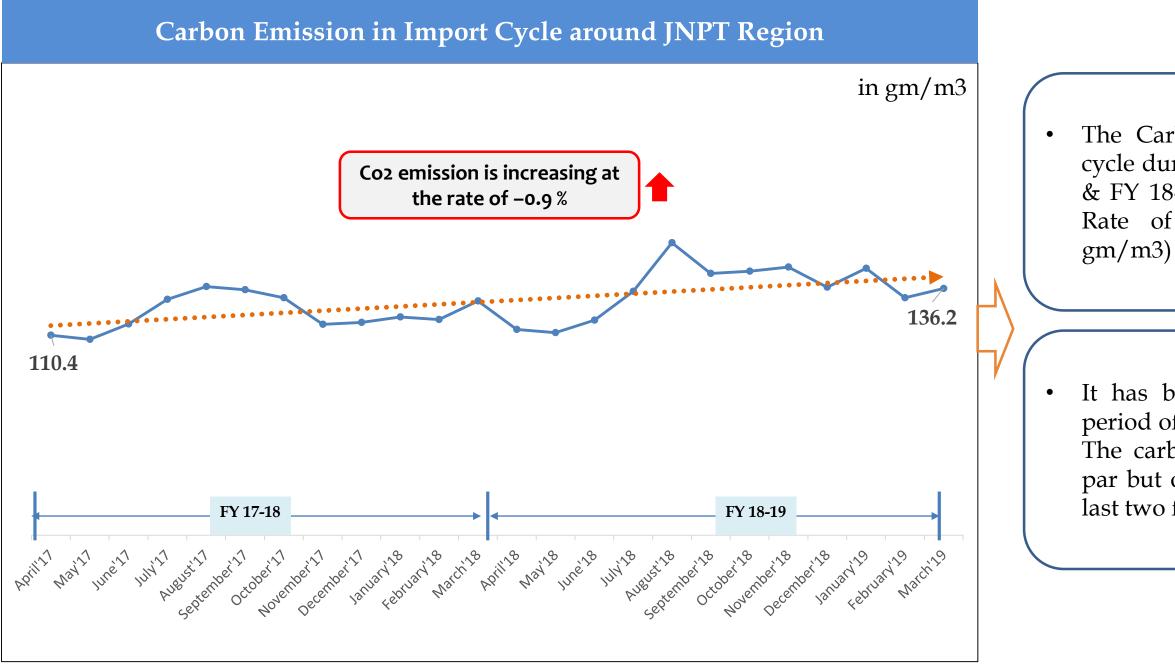
nsist of entities l relatively high n lower dwell	Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time
nsist of entities relatively ume in lower	Laggard : consist of entities which have catered relatively lower container volume at higher dwell time

KEY FINDINGS -



Carbon Emission – JNPT Region (1/2)

Below Graphs depicts the Carbon Emission during import cycle between Port and CFS for the last two financial year (FY 17 - 18 & FY 18-19)



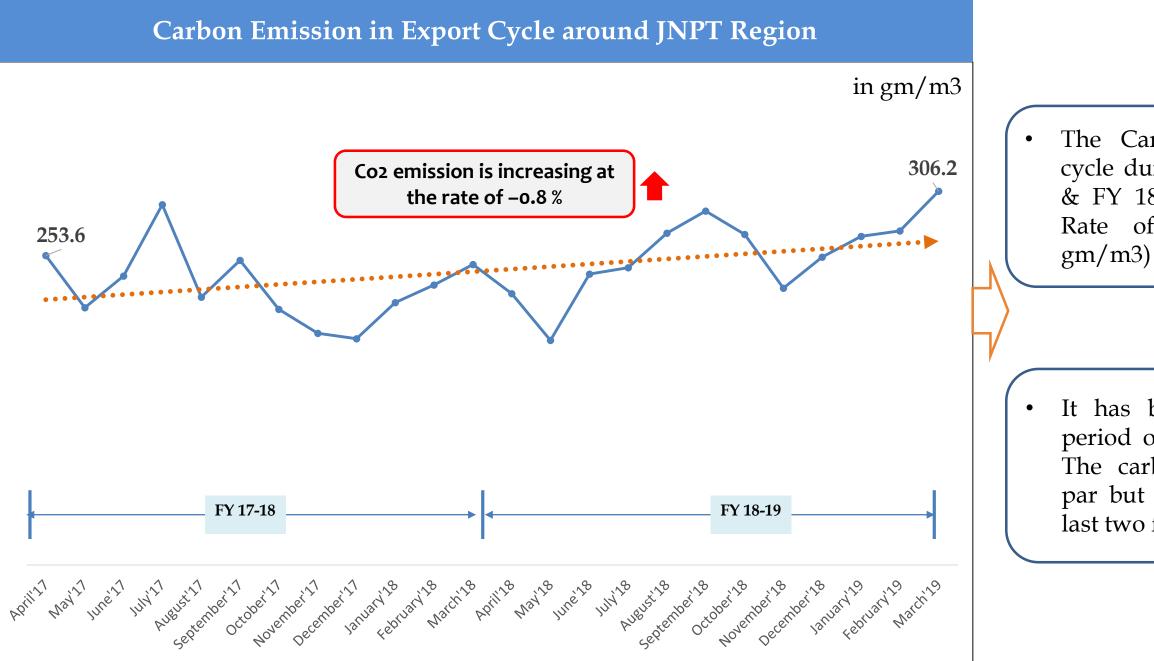


The Carbon emission in import cycle during the last two FY 17-18 & FY 18-19 has increased by the Rate of 0.9% (110.4 to 136.2

It has been noticed that in the period of November'17 to July'18, The carbon emission was below par but overall it increases in the last two financial year

Carbon Emission – JNPT Region (2/2)

Below Graphs depicts the Carbon Emission during Export cycle between CFS and Port for the last two financial year (FY 17 - 18 & FY 18-19)





The Carbon emission in export cycle during the last two FY 17-18 & FY 18-19 has increased by the Rate of 0.8% (253.6 to 306.2

It has been noticed that in the period of September'17 to July'18, The carbon emission was below par but overall it increases in the last two financial year

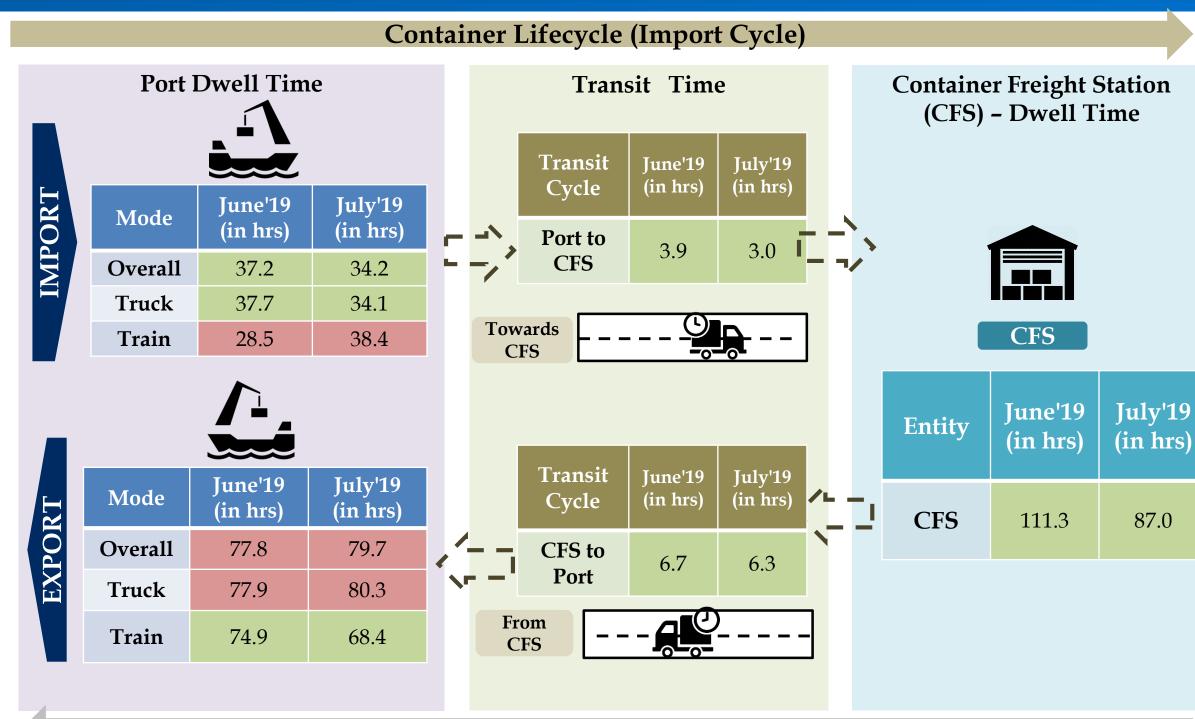
Annexure



Individual Terminal Performance In Southern Corridor

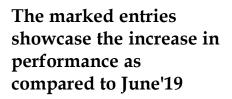


Chennai Port Terminals: Container Transportation



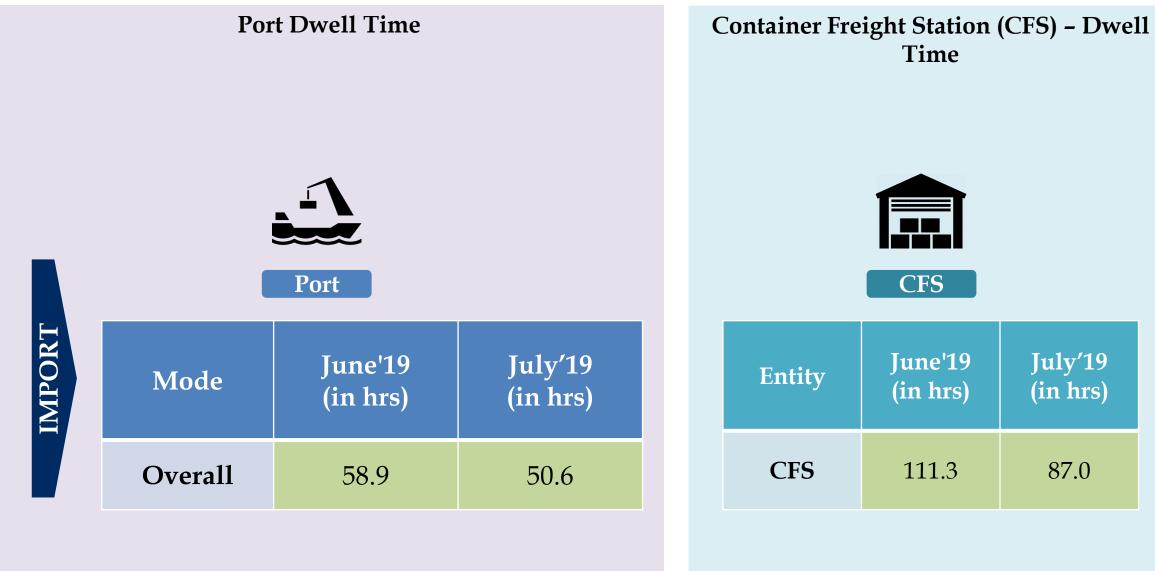
Container Lifecycle (Export Cycle)







Kattupali Port Terminal: Container Transportation

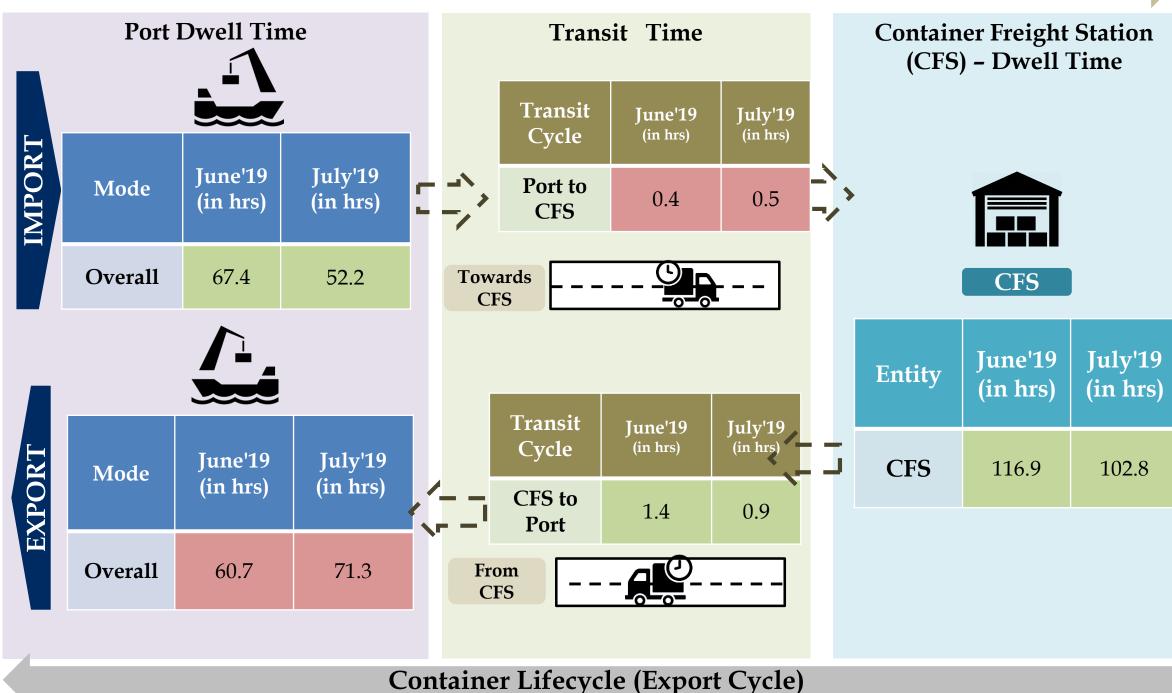




The marked entries showcase the increase in performance as compared to June'19

Kochi Port Terminal: Container Transportation



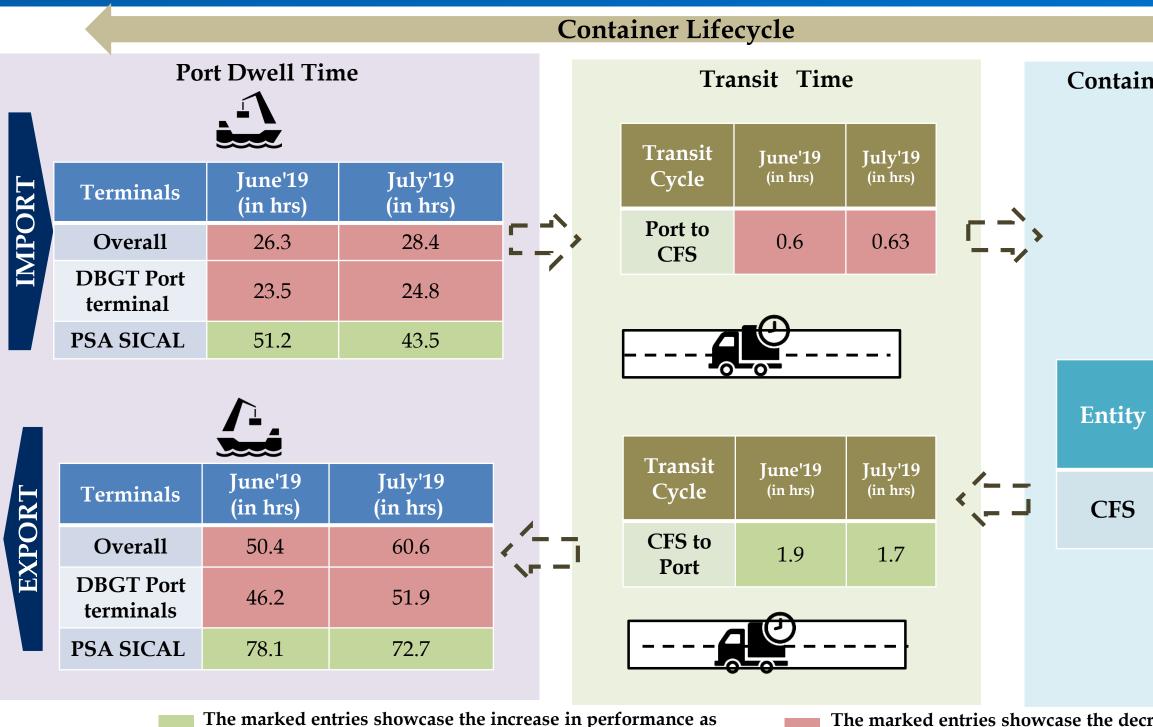




The marked entries showcase the increase in performance as compared to June'19



Tuticorin Port Terminal: Port Dwell Time Performance



compared to June'19

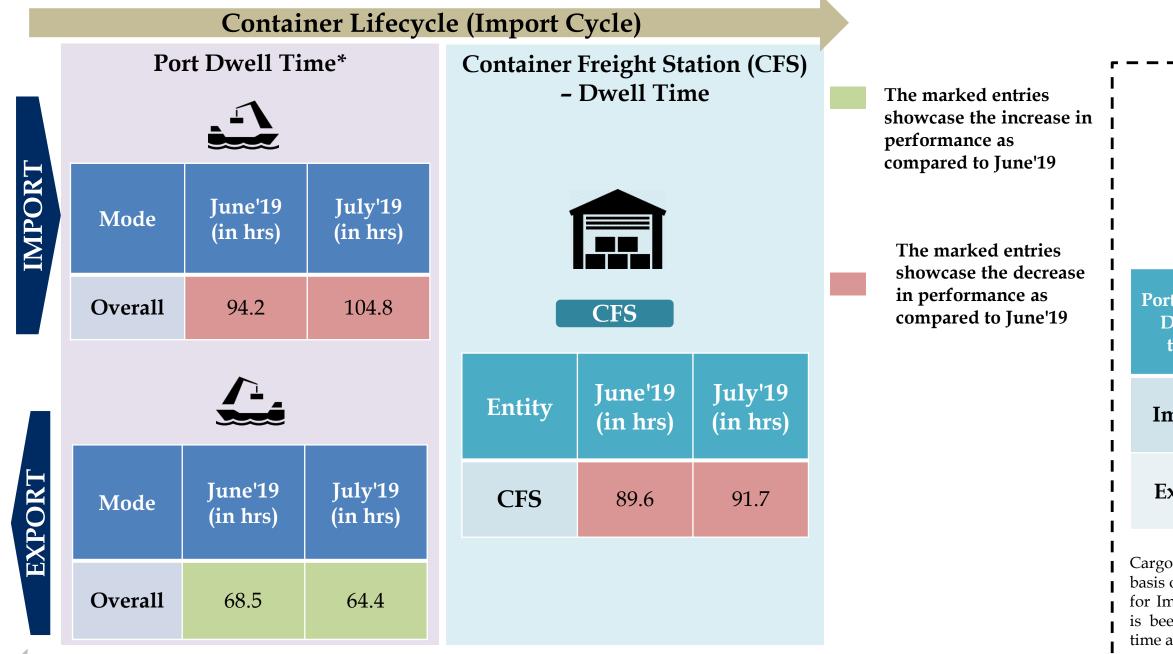
The marked entries showcase the decrease in performance as compared to June'19



Container Freight Station (CFS) – Dwell Time



Krishnapatnam Port Terminal: Container Transportation



Container Lifecycle (Export Cycle)

 \star Port dwell time reflects the time container has spent in the vicinity which is calculated on the basis of Port out time and Port in Time of container



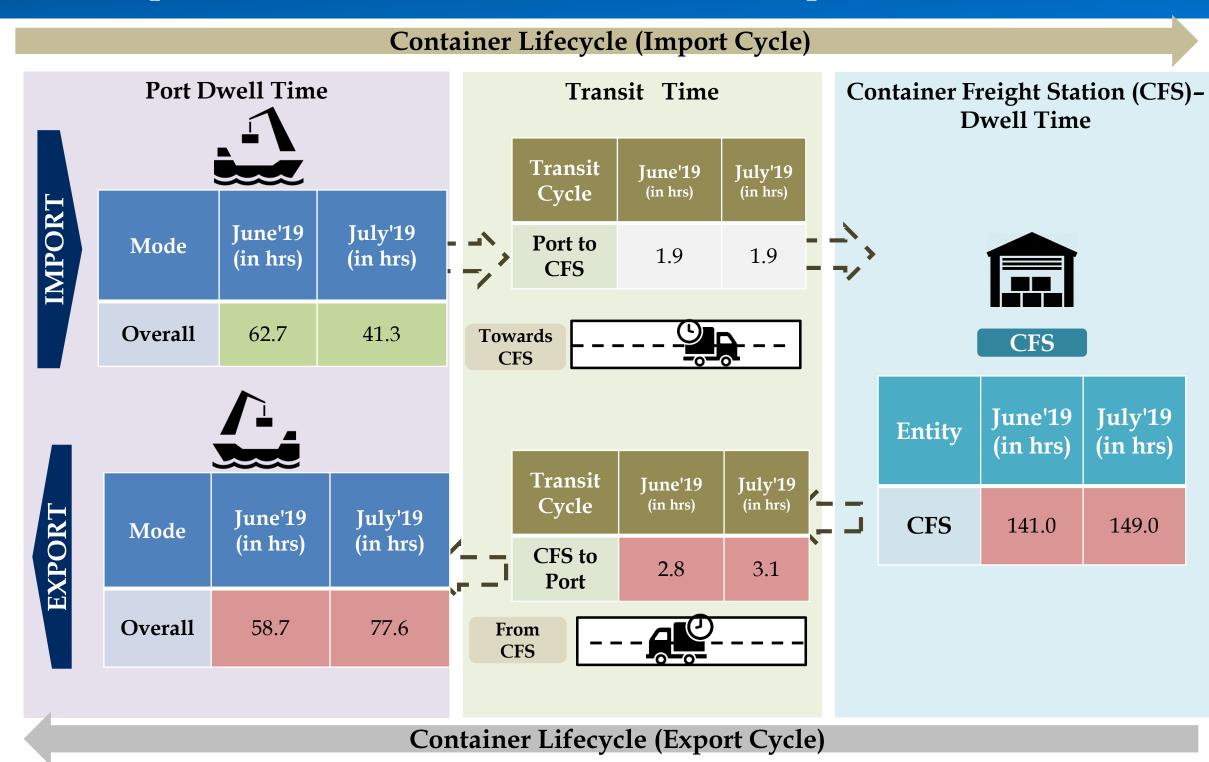
Cargo Dwell Time				
t Cargo Dwell time	June'19 (in hrs)	July'19 (in hrs)		
nport	67.8	72.2		
xport	58.7	52.7		

Cargo Clearance time is calculated on the basis of Container In Time and Cargo out time for Import Cycle whereas for Export Cycle it is been calculated on the basis of Cargo In time and Container Out time

Individual Terminal Performance In Eastern Corridor



Vishakhapatnam Port Terminal: Container Transportation





The marked entries showcase the increase in performance as compared to June'19

The marked entries showcase the decrease in performance as compared to June'19

Kolkata Port Terminal: Container Transportation

Container Lifecycle (Import Cycle) Port Dwell Time **Container Freight Station (CFS) – Dwell** Time IMPORT July'19 June'19 Mode (in hrs) (in hrs) **Overall** 34.4 34.7 **CFS** July'19 June'19 Entity (in hrs) (in hrs) EXPORT July'19 June'19 CFS 141.2 140.5 Mode (in hrs) (in hrs) **Overall** 96.1 106.5

Container Lifecycle (Export Cycle)



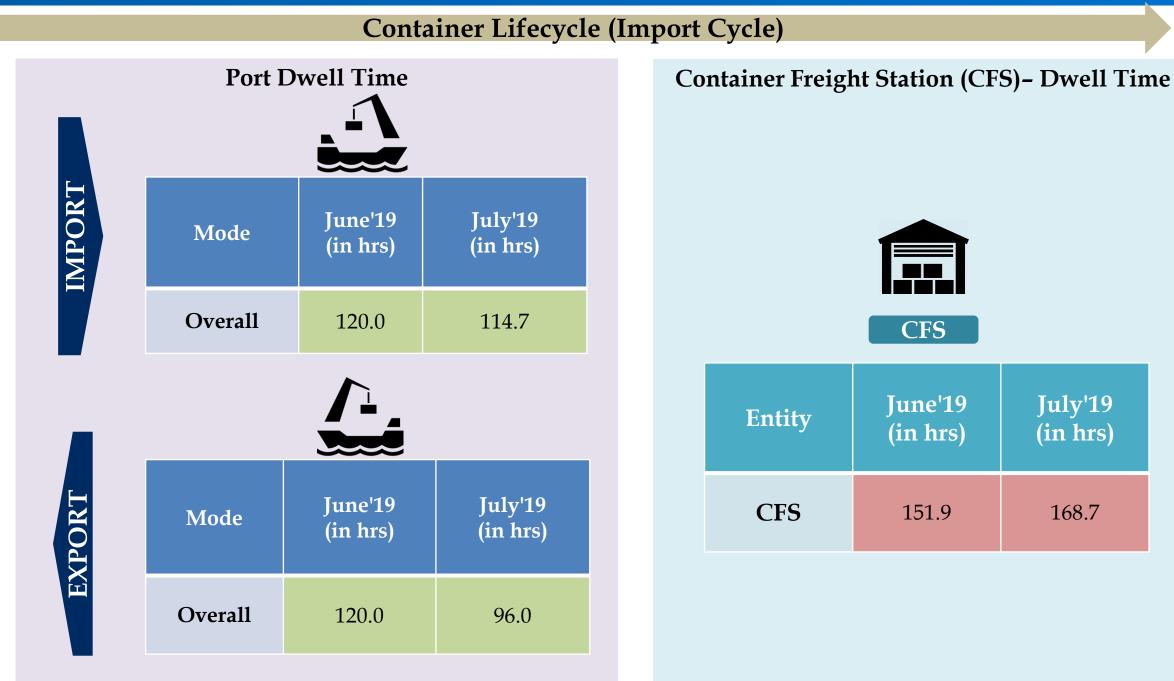
The marked entries showcase the increase in performance as compared to June'19



The marked entries showcase the decrease in performance as compared to June'19

Note: Port Dwell Time at Kolkata Port Terminals is been calculated on the basis of all the containers including Nepal Bound containers

Haldia Port Terminal: Container Transportation



Container Lifecycle (Export Cycle)



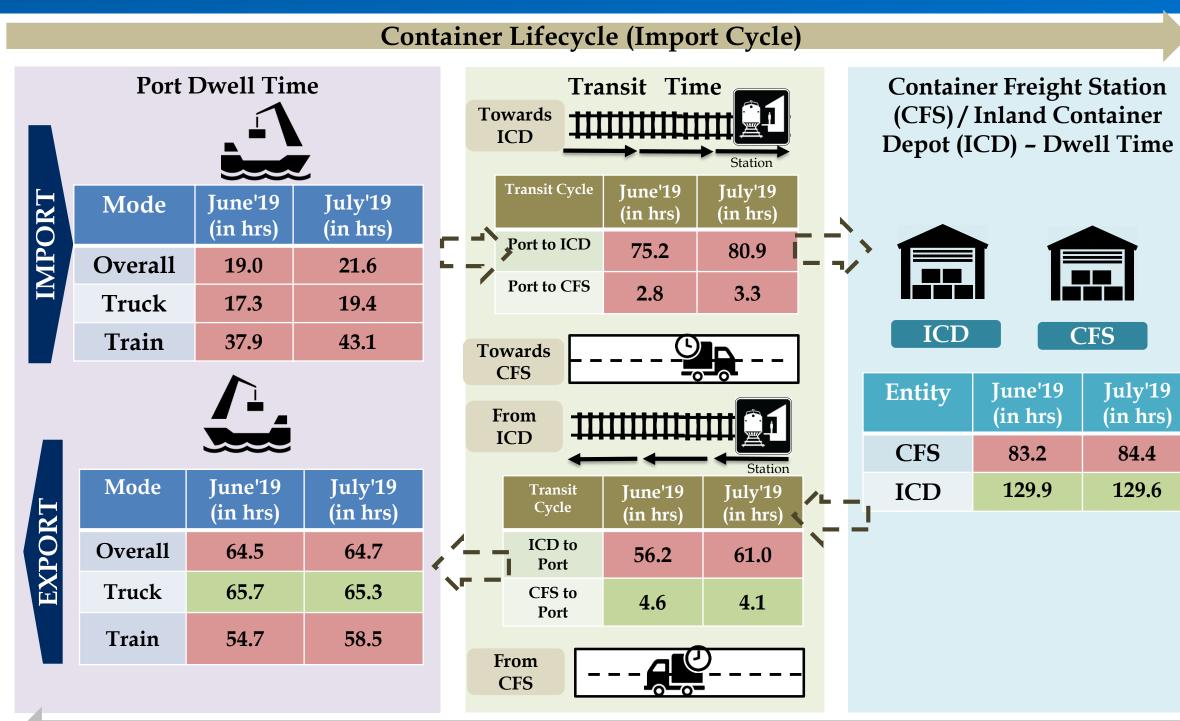
The marked entries showcase the increase in performance as compared to June'19

The marked entries showcase the decrease in performance as compared to June'19

Individual Terminal Performance In Western Corridor



Container Transportation- JNPT Port Terminals



Container Lifecycle (Export Cycle)



The marked entries showcase the increase in performance as compared to June'19



JNPT Region: Parking Plaza Dwell Time Analysis

Container handling performance around Parking Plaza and NSIGT Port Terminal is depicted below for the month June'19 and July'19



Parking Plaza Gate In – Gate Out

July'19 June'19 June'19 Mode Mode (in hrs) (in hrs) (in hrs) Overall **Overall** 7.3 7.8 1.4

Export Cycle

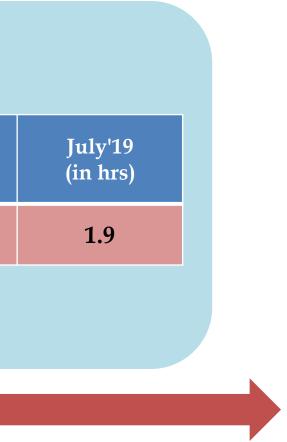
The marked entries showcase the increase in performance compared to last month

The marked entries showcase the decrease in performance compared to last month





Parking Plaza Gate Out – Terminal In



Container Transportation- JNPT Port Terminals

IMPORT CYCLE DWELL TIME (July'19 – in hrs)			
	Overall Dwell Time of Truck and Train Bound Containers	21.6	
	Port Dwell Time for Truck Bound Containers	19.4	
	Port Dwell time for Train Bound Containers	43.1	
PORT DWELL TIME	Port Dwell time Direct Port Delivery (DPD) containers	41.9	
	Port Dwell time Containers bound for CFS	18.3	
	Port Dwell for Empty Containers	28.2	
	Port Dwell for Laden Containers	20.9	
	Port to ICD	80.9	
TRANSIT TIME	Port to CFS	3.3	

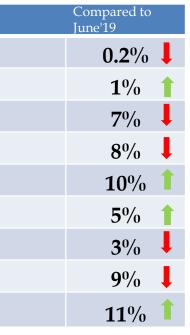
EXPORT CYCLE DWELL TIME (July'19- in hrs)			
	Overall Dwell Time of Truck and Train Bound Containers	64.7	
	Port Dwell Time for Truck Bound Containers	65.3	
	Port Dwell time for Train Bound Containers	58.5	
PORT DWELL TIME	Port Dwell time Direct Port Entry (DPE) containers		
	Port Dwell time Containers bound from CFS	59.8	
	Port Dwell for Empty Containers	63.7	
	Port Dwell for Laden Containers	65.7	
	ICD to Port	61.0	
TRANSIT TIME	CFS to Port	4.1	



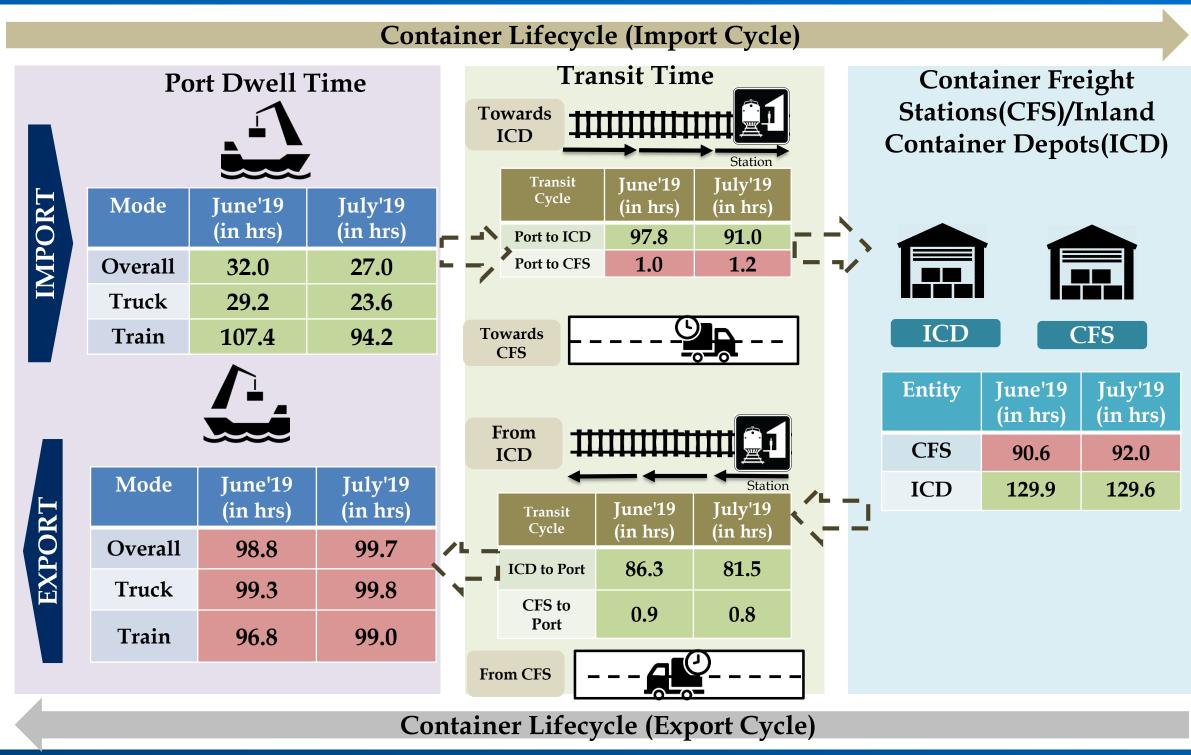
Compared to June'19			
	14%	Ļ	
	12%	Ļ	
	14%	Ļ	
	1%	1	
	15%	1	
	0.4%		
	16 %	Ļ	
	8%	Ļ	
	18%	Ļ	

1

The arrows depict increase/decrease in performance of the stakeholders in comparison to Dec'18



Gujarat Port Terminals : Container Transportation





The marked entries showcase the increase in performance as compared to June'19

The marked entries showcase the decrease in performance as compared to June'19

	IMPORT CYCLE DWELL TIME (July'19- in hrs)	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	27.0
	Port Dwell Time for Truck Bound Containers	
	Port Dwell time for Train Bound Containers	94.2
TRANSIT TIME	Port to ICD	91.0
	Port to CFS	1.2

EXPORT CYCLE DWELL TIME (July'19- in hrs)			
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	99.7	
	Port Dwell Time for Truck Bound Containers	99.8	
	Port Dwell time for Train Bound Containers	99.0	
TRANSIT TIME	ICD to Port	81.5	
	CFS to Port	0.8	



The arrows depict increase/decrease in performance of the stakeholders in comparison to June'19

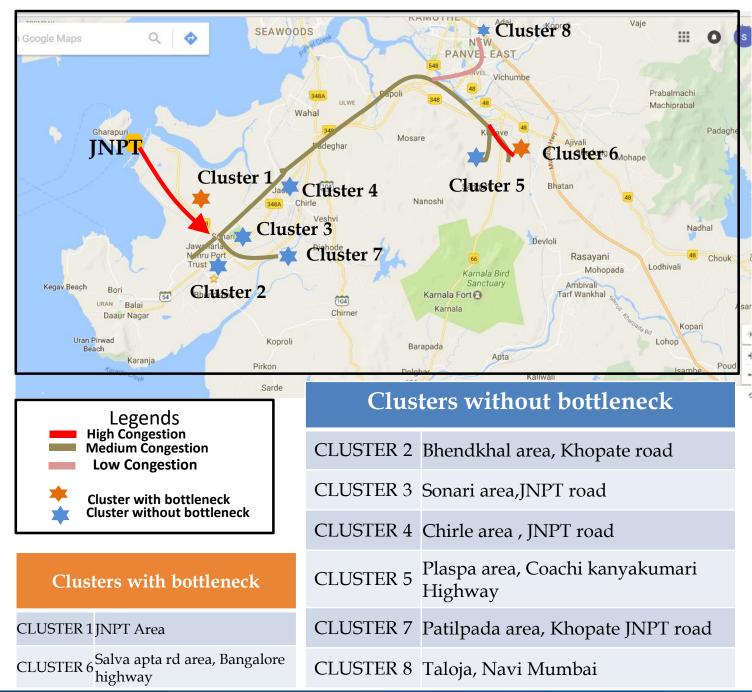


Compared to June'19	
15%	1
12%	1
19%	1
7%	1
21%	Ļ

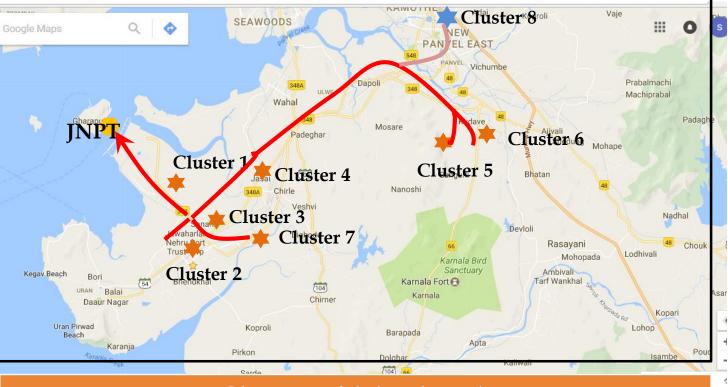
Compared to une'19	
1%	Ļ
1%	Ļ
2%	Ļ
6%	1
11%	1

JNPT Region: Congestion Analysis

JNPT – Import – July'19



JNPT – Export – July'19



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 2	Bhendkhal area, Khopate
CLUSTER 3	Sonari area, JNPT road
CLUSTER 4	Chirle area , JNPT road
CLUSTER 5	Plaspa area, Coach kanya
CLUSTER 6	Salva apta rd area, Banga
CLUSTER 7	Patilpada area, Khopate J

	Clusters without bo
CLUSTER 8	Taloja, Navi Mumbai



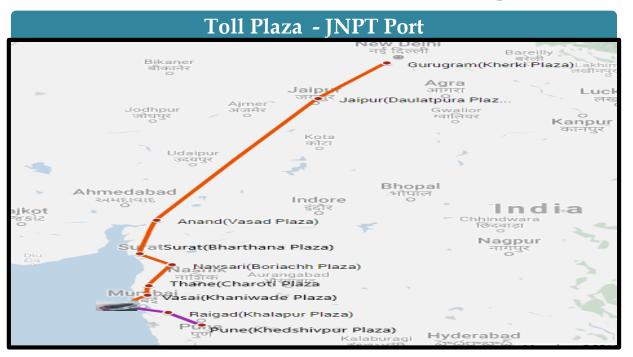
e road

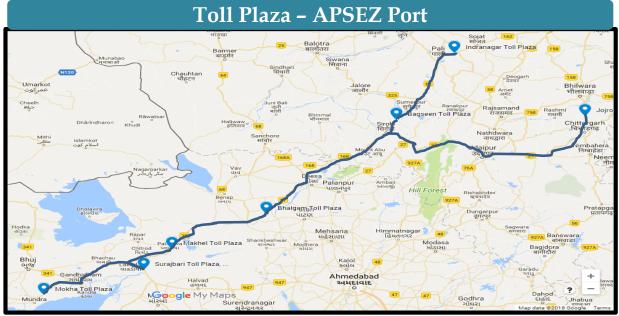
akumari Highway alore highway JNPT road

ottleneck

Western Corridor Toll Plaza Analysis

Avg. Speed between Toll Plazas					
	Source	Destination Toll Plaza	Inter Distance (Km)	June'19 (in km/hrs)	July'19 (in km/hrs)
	JNPT	Khaniwade	94	15.6	14.9
	JNPT	Khalapur	60	13.0	10.9
	Khaniwade	Charoti	50	35.7	34.4
ΓŢ	Charoti	Boriach	126	27.5	26.7
JNPT	Boriach	Bharthan	142	32.3	33.0
	Bharthan	Vasad	60	39.7	40.5
	Khalapur	Khedshivpur	105	27.1	25.3
	Daulatpura Kherki	199	22.5	23.7	
	APSEZ	Mokha	28	13.5	-
	Mokha	Makhel	150	24.6	25.0
APSEZ	Mokha	Surajbari	115	26.2	26.4
APC	Makhel	Bhalgam	108	37.1	37.7
	Bhalgam	Uthamam	209	28.5	28.8
	Uthamam	Indranagar	109	34.3	37.3







Annexure – Western Region

List of CFS name used in CFS Performance Index

- Ameya Logistics CFS, Navi Mumbai 1
- APM (Maersk India) CFS, Navi Mumbai 2
- Apollo Logisolutions CFS, Panvel 3
- Ashte Logistics CFS, Panvel 4
- Balmer & Lawrie CFS, Navi Mumbai 5
- Continental Warehousing CFS, Navi Mumbai 6
- CWC Hind Terminal CFS, Navi Mumbai
- Dronagiri Rail Terminal CFS, Navi Mumbai 8
- Gateway Distriparks CFS, Navi Mumbai 9
- Indev Logistics CFS, Panvel 10
- International Cargo Terminal CFS 11
- International Cargo Terminals (ULA) CFS, Navi 12 Mumbai
- JWC Logistics Park CFS 13
- 14 JWR CFS
- Maersk Annex (APM)CFS, Navi Mumbai 15
- Maharashtra State Corp CFS 16
- Navkar Corporation Yard 2 CFS, Panvel 17
- Navkar Corporation Yard 3 CFS, Panvel 18
- Ocean Gate CFS, Panvel 19
- 20 Punjab Conware CFS, Navi Mumbai

21	Seabird CFS, Navi Mumbai

- 22 Speedy Multimode CFS, JNPT
- 23 Take Care Logistics CFS
- 24 TG Terminals CFS
- Transindia Logistics Park, Navi Mumbai 25
- Vaishno Logistics CFS, Navi Mumbai 26
- Adani CFS Eximyard, Mundra 27
- 28 Adani CFS, Hazira
- AllCargo CFS, Mundra 29
- Ashutosh CFS, Mundra 30
- 31 Hind Mundra Terminals CFS, Mundra
- 32 Hind Terminal CFS, Hazira
- 33 Honey Comb CFS, Mundra
- 34 MICT CFS, Mundra
- Mundhra CFS, Mundra 35
- Saurashtra CFS, Mundra 36
- Seabird CFS, Hazira 37
- Seabird CFS, Mundra 38
- TG Terminals CFS, Mundra 39
- 40 Transworld CFS, Mundra

List of ICD name used in ICD Performance Index

- 1 ACTL ICD, Faridabad
- 2
- 3
- 4
- 5
- 6
- 7



Adani Logistics Park ICD, Gurgaon

Albatross Inland Ports ICD, Dadri

Allcargo Logistics Park ICD, Dadri

APM Terminals ICD, Dadri

CMA CGM Logistics Park, Dadri

Gateway Rail Freight ICD, Gurgaon

Annexure – Southern & Eastern Region

List of CFS name used in Southern CFS Performance Index

- 1 A S Shipping Agencies CFS, Tiruvallur
- 2 A.S.Shipping Agencies Pvt Ltd
- 3 Adani CFS, Kattupalli Tiruvallur Tamil Nadu
- 4 Allcargo Global Logistics CFS, Chennai
- 5 Apm Terminals India CFS, Tiruvallur
- 6 Balmer Lawrie CFS, Chennai
- 7 Calyx Container Terminal CFS, Chennai
- 8 Chola Logistiks Pvt Ltd
- 9 Diamond CFS Park
- 10 Ennore Cargo Container Terminal CFS, Chennai
- 11 Gateway Distripark CFS, Krishnapatnam
- 12 GDKL CFS
- 13 Kailash Shipping Services CFS, Chennai

- 14 Kerry Indev Logistics ICD, Kanchipuram
- 15 Kerry Indev Logistics Private Limited / Continental Container Freight Station
- 16 MIV CFS
- 17 Prompt Terminals (P) Ltd
- 18 Raja Agencies CFS
- 19 Sattva Cfs And Logistics CFS, Chennai
- 20 Sattva Hi-Tech And Conware CFS, Chennai
- 21 Seabird CFS, Krishnapatnam
- 22 Sical CFS, Chennai Tiruvallur Tamil Nadu
- 23 Sical Multimodal and Rail Transport Ltd. -CFS Division
- 24 St. John Freight Systems Ltd. ICD Division
- 25 Vilsons CFS

List of CFS nar Perfor

- 1 A L Logistics C
- 2 Allcargo Logis
- 3 Balmer Lawrie
- 4 Century Plybo
- 5 Century Plybo
- 6 Gateway East 1
- 7 LCL Freight Sc
- 8 Phonex CFS
- 9 Ralson Petro C
- 10 SICAL CFS
- 11 Sravan CFS-1
- 12 Sravan CFS-2
- 13 VCT CFS



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THANK YOU

