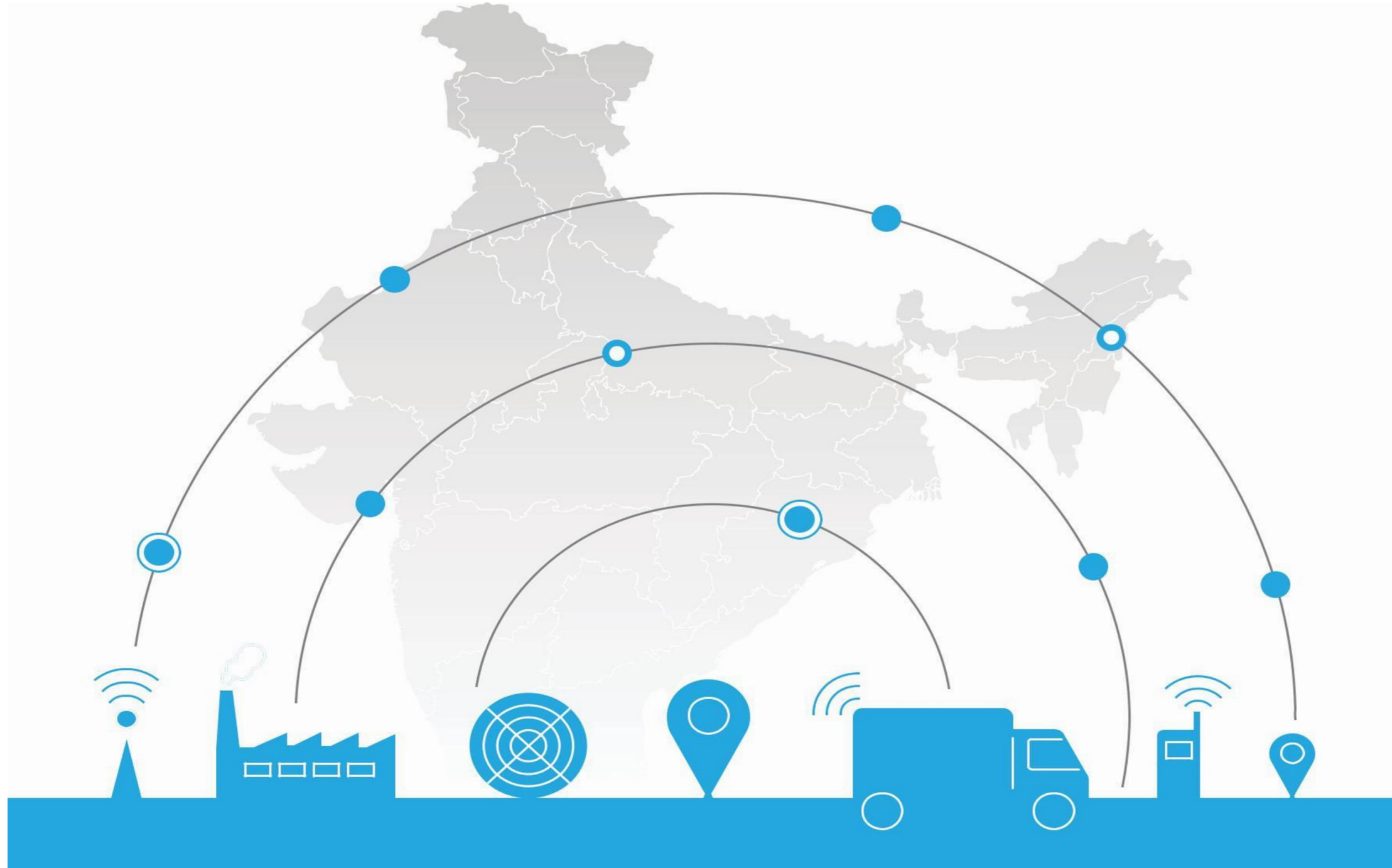


Logistics Databank Analytics Report- August 2018



Western Corridor

- Overall Port Dwell time performance across the western corridor for import cycle has decreased by 11% in comparison to previous month (higher Dwell time for handling Truck bound containers has resulted in this decline)
- Overall Inland container depot's (ICD) dwell time performance has improved by 7% in comparison to previous month

Gujarat Port Terminals (Adani Ports Special Economic Zone)

- Port Dwell time performance improved by 7% in comparison to previous month for handling export bound containers (from 107.7hrs in July'18 to 100hrs in August'18)

JNPT Port Terminals

- Improvement in container handling at rail siding has led to better Port Dwell Time for handling rail bound EXIM containers.
- Overall JNPT Port Dwell time performance for Export cycle has improved by 13% in comparison to previous month (13.5% improvement in handling Truck bound containers has resulted in this improvement)

- Dwell time performance of Container Freight Station(s) around JNPT region is seeing a downward trend month on month (7% in August'18 and 14% in July'18 as compared to previous months)
- Dwell time of Direct Port Delivery(DPD) container handling performance around JNPT port has decreased by 25.6% in comparison to previous month. (51.75hrs in July'18 to 65.01hrs in August'18)
- Dwell time of Direct Port Export(DPE) container handling performance around JNPT port has improved by 19.7% in comparison to previous month. (from 77.93hrs in July'18 to 62.54hrs in August'18)
- Transit time performance between JNPT Port and ICDs(NCR region) has improved by 8-16% in comparison to previous month

JNPT region Transit Time	July'18 (in hrs)	August'18 (in hrs)	Performance Change (in %)
Port to ICD	75.06	62.79	16% ↑
ICD to Port	75.56	69.28	8% ↑

IMPORT

Port Dwell Time

Mode	July'18 (in hrs)	Aug'18 (in hrs)
Overall	36	40.03
Truck	31	33.32
Train	166	151.97

EXPORT

Mode	July'18 (in hrs)	Aug'18 (in hrs)
Overall	87	78.26
Truck	86	75.97
Train	99	93.07

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



**Inland
Container
Depot (ICD)**



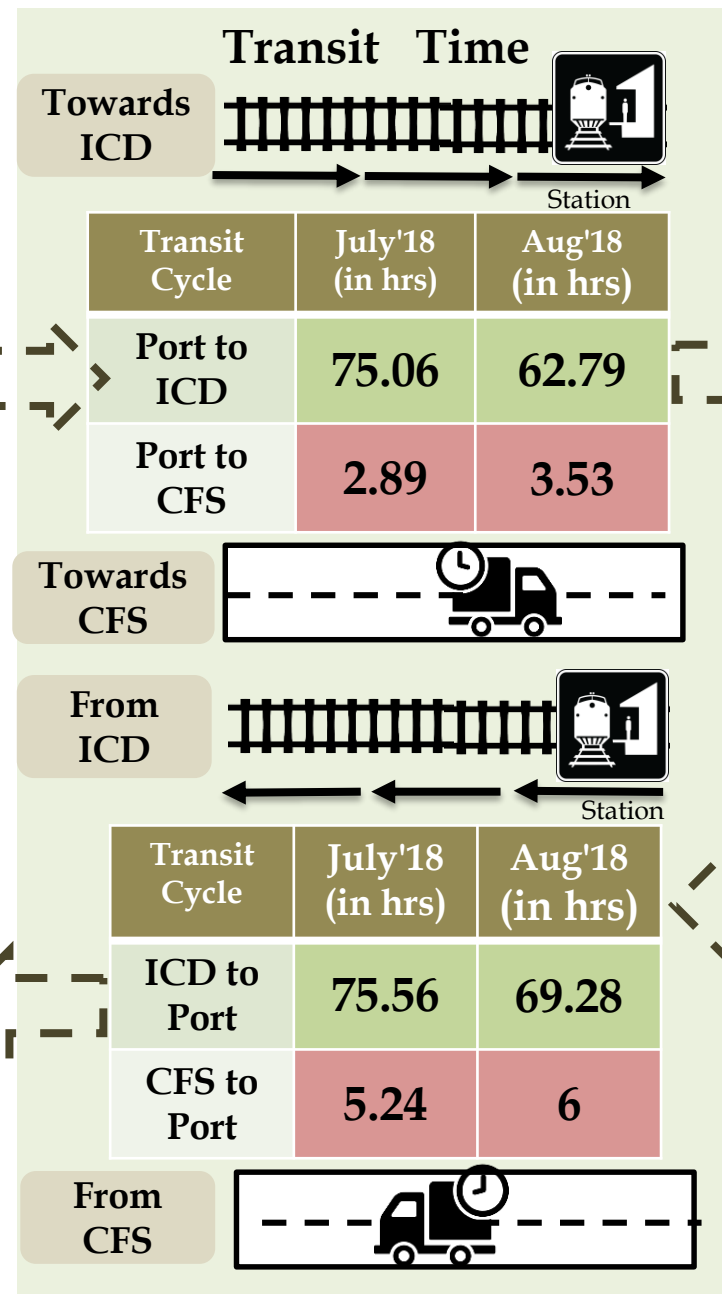
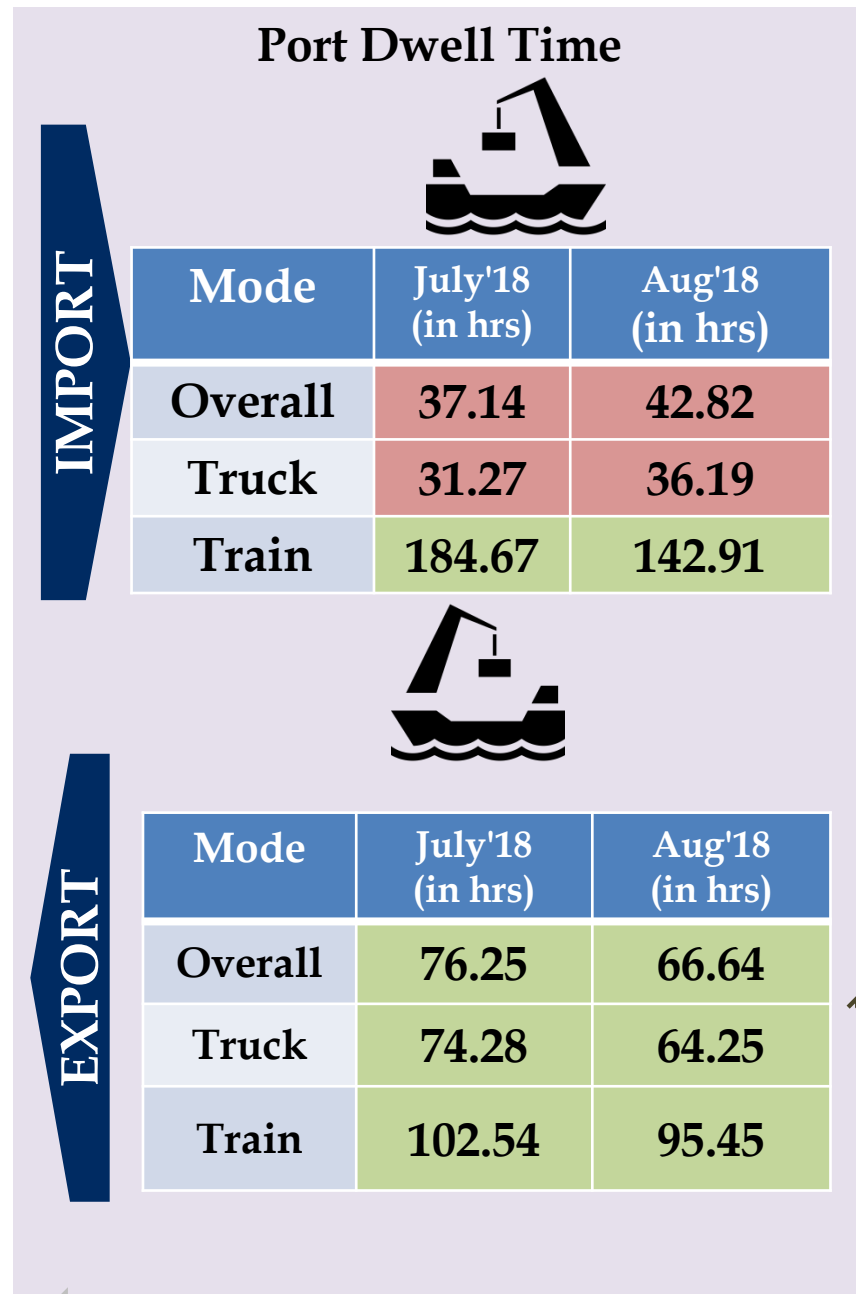
**Container
Freight
Stations**

Entity	July'18 (in hrs)	Aug'18 (in hrs)
CFS	91.05	100.10
ICD	137.06	127.84

- The marked entries showcase increase in performance in comparison to previous month
- The marked entries showcase decrease in performance in comparison to previous month

Container Transportation- JNPT Port Terminals

Container Lifecycle (Import Cycle)



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



ICD



CFS

Entity	July'18 (in hrs)	Aug'18 (in hrs)
CFS	91.05	97.76
ICD	137.06	127.84

The marked entries showcase the increase in performance as compared to previous month

The marked entries showcase the decrease in performance as compared to previous month

Container Lifecycle (Export Cycle)

Container Transportation- JNPT Port Terminals

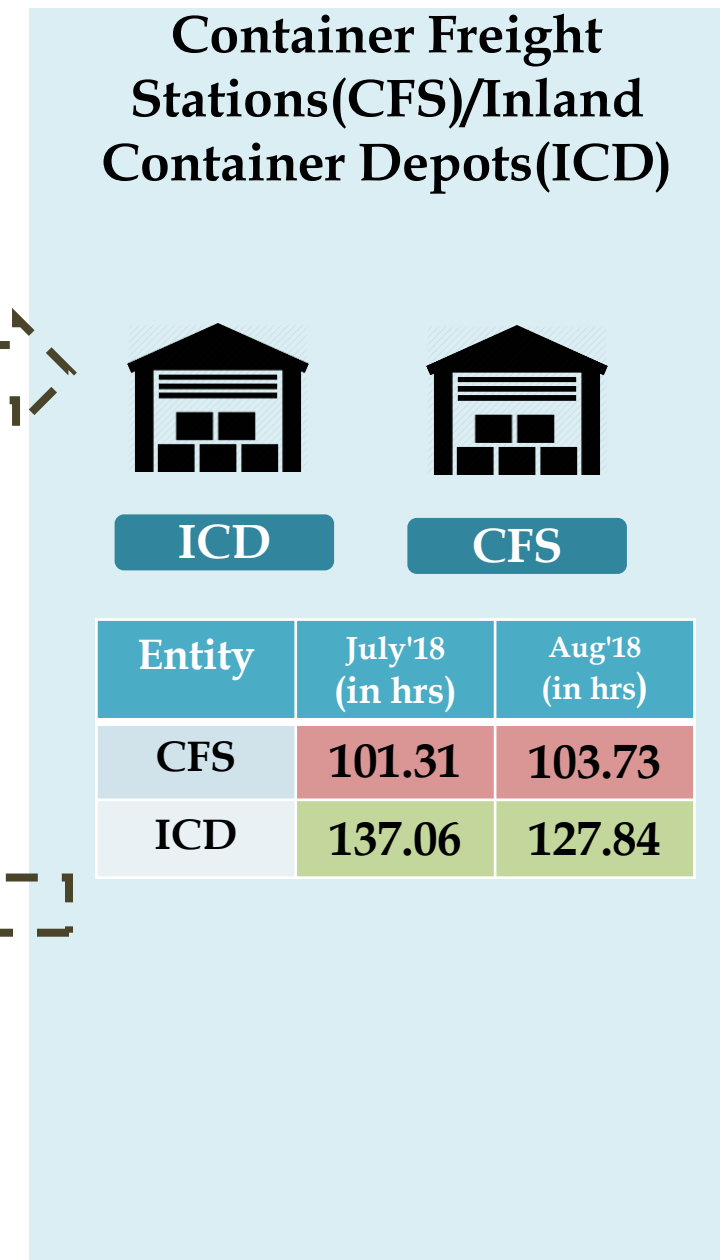
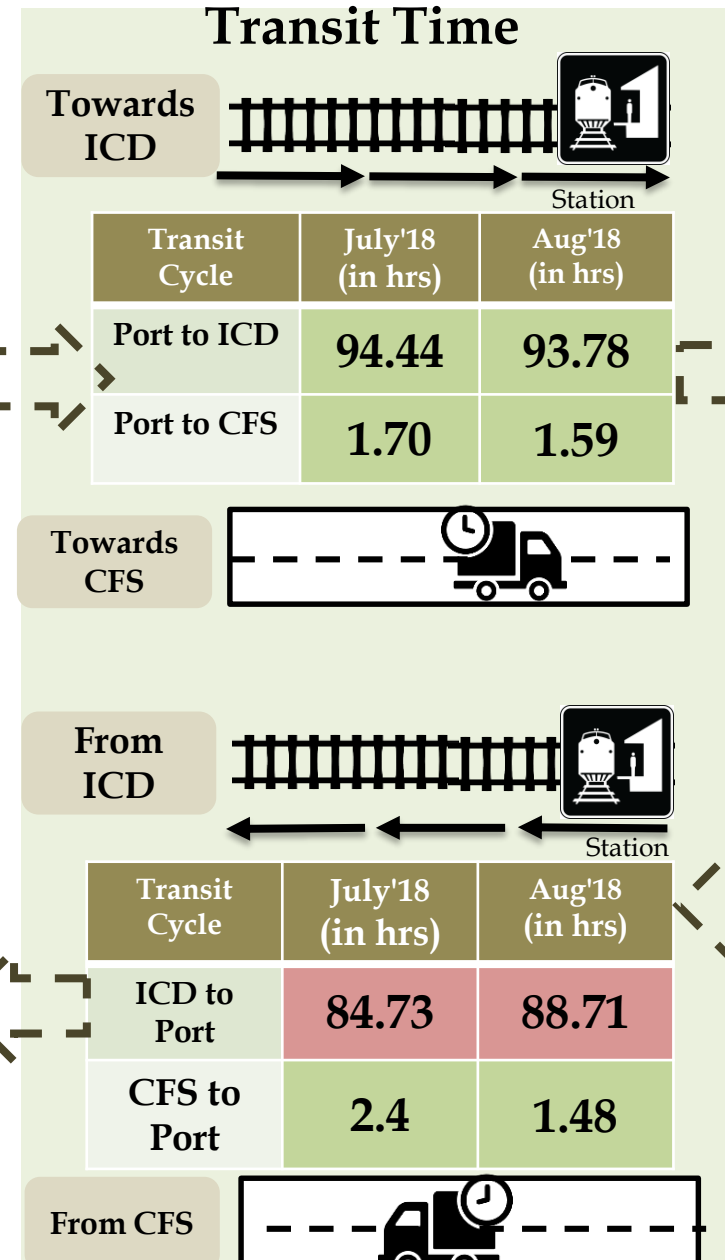
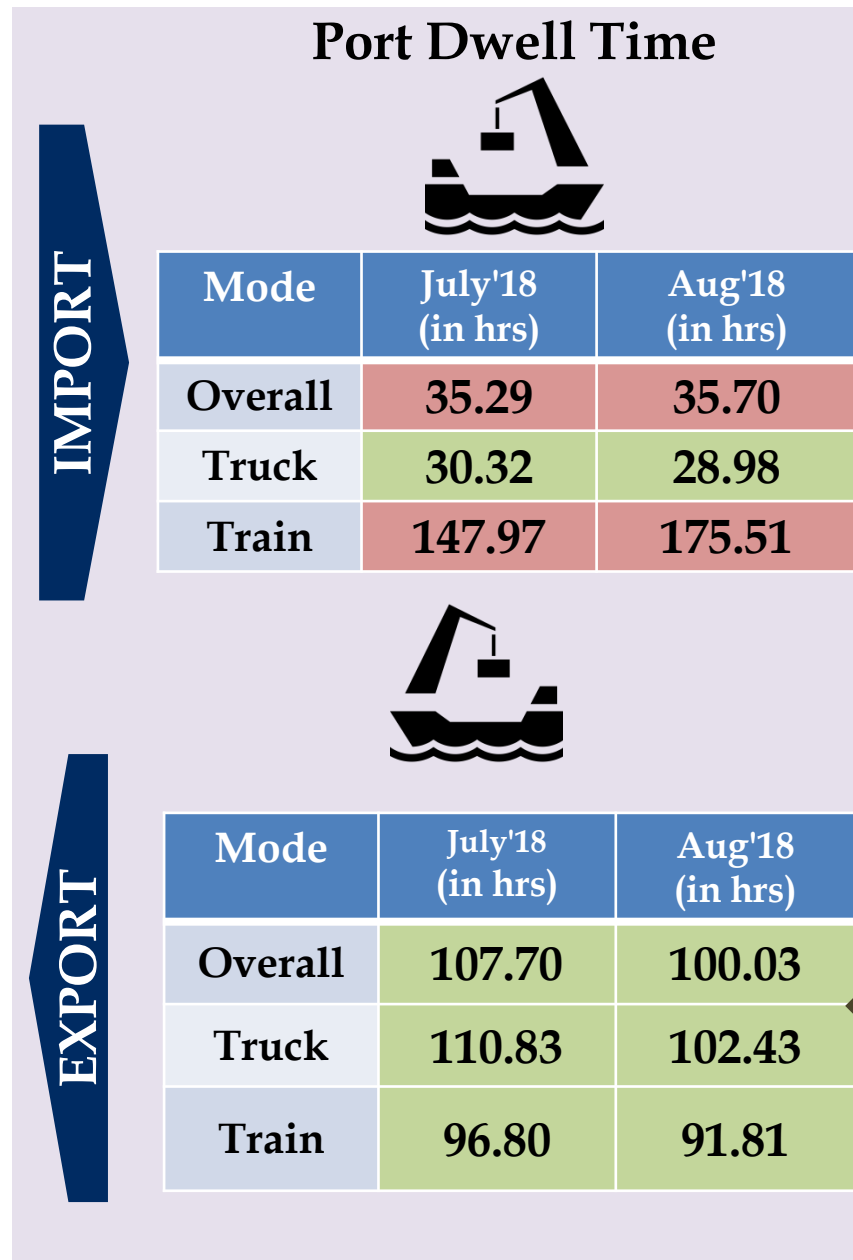
IMPORT CYCLE DWELL TIME (Aug'18 – in hrs)			
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	42.82	15% ↓
	Port Dwell Time for Train Bound Containers	142.91	23% ↑
	Port Dwell time for Truck Bound Containers	36.19	16% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	65.01	26% ↓
	Port Dwell time Containers bound for CFS	32.20	9% ↓
	Port Dwell time Containers bound for ICD	151.71	27% ↓
TRANSIT TIME	Port to ICD	62.79	16% ↑
	Port to CFS	3.53	22% ↓

EXPORT CYCLE DWELL TIME (Aug'18- in hrs)			
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	66.64	13% ↑
	Port Dwell Time for Train Bound Containers	95.45	7% ↑
	Port Dwell time for Truck Bound Containers	64.25	14% ↑
	Port Dwell time Direct Port Entry (DPE) containers	62.54	20% ↑
	Port Dwell time Containers bound from CFS	65.36	18% ↑
	Port Dwell time Containers bound from ICD	96.22	9% ↑
TRANSIT TIME	ICD to Port	69.28	8% ↑
	CFS to Port	6	15% ↓

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to previous month

Container Transportation- APSEZ Port terminals Gujarat

Container Lifecycle (Import Cycle)



The marked entries showcase the increase in performance as compared to previous month

The marked entries showcase the decrease in performance as compared to previous month

Container Lifecycle (Export Cycle)

IMPORT CYCLE DWELL TIME (August'18- in hrs)			Compared to July'18
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	35.70	1% ↓
	Port Dwell Time for Train Bound Containers	175.51	19% ↓
	Port Dwell time for Truck Bound Containers	28.98	4% ↑
TRANSIT TIME	Port to ICD	93.78	1% ↑
	Port to CFS	1.59	6% ↑

EXPORT CYCLE DWELL TIME (August'18- in hrs)			Compared to July'18
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	100.03	31% ↓
	Port Dwell Time for Train Bound Containers	91.81	10% ↑
	Port Dwell time for Truck Bound Containers	102.43	38% ↓
TRANSIT TIME	ICD to Port	88.71	5% ↓
	CFS to Port	1.48	95% ↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to previous month



Performance Benchmarking - Port Terminals



Performance benchmarking for Port Terminals covered under LDB project for August'18

Top Performing Terminal

Gateway Terminals India (GTI)
54.5 hrs



Low Performing Terminal

Adani CMA Mundra Terminal (ACMTTL)
90.25 hrs



Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to previous month

Performance Index-Port Terminals

In order to assess the relative performance of Port terminals, 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

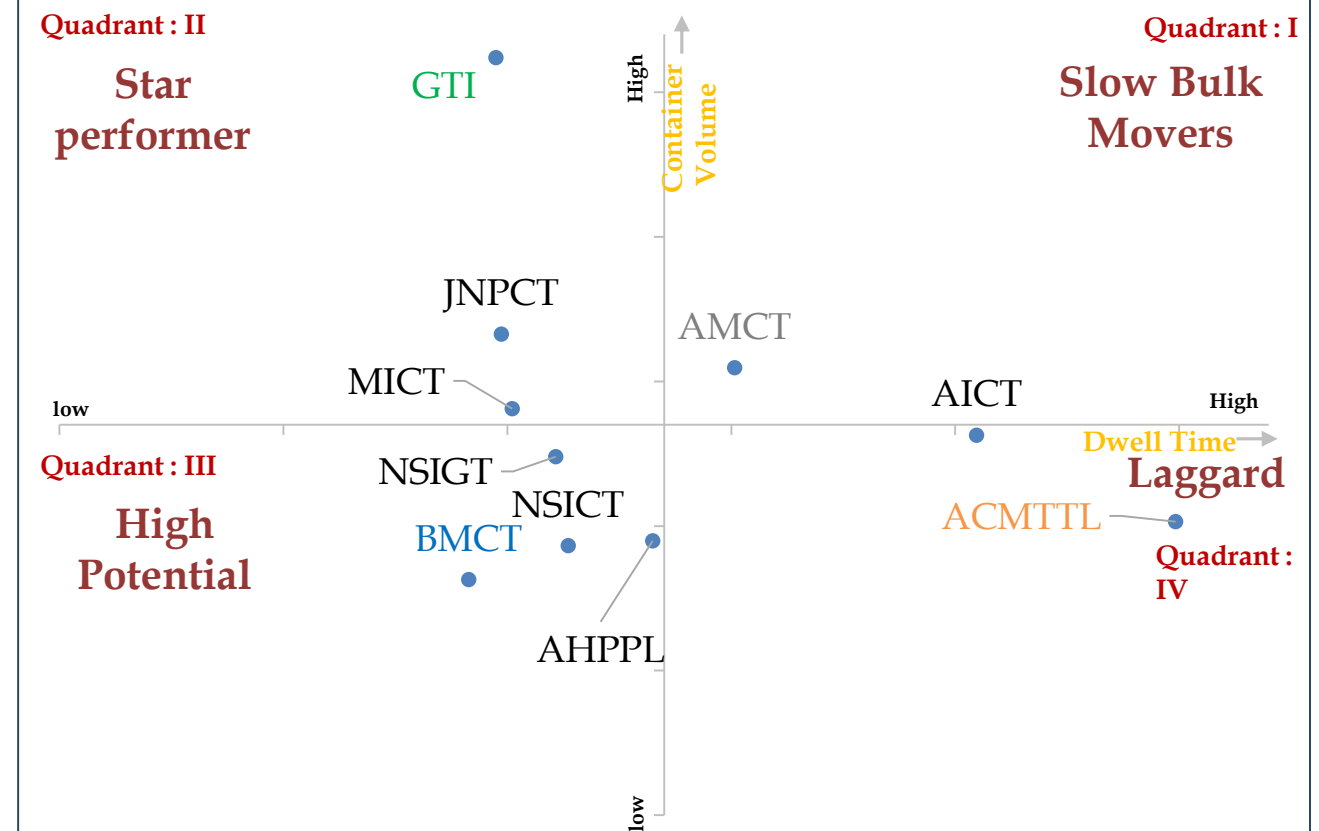
Star Performer: consist of Ports which have catered relatively high container volume in lower dwell time

Slow Bulk Movers : consist of Ports which have catered higher container volume at higher dwell time

High Potential : consist of Ports which have catered relatively lower container volume in lower dwell time

Laggard : consist of Ports which have catered relatively lower container volume at higher dwell time

Port Terminal Performance Index : Aug'18



Western Corridor- CFS/ICD Performance Benchmarking & Performance Index

Performance Benchmarking - CFS(s)



Performance benchmarking for CFS(s) covered under LDB project for August'18

Top Performing CFS

Ashutosh CFS, Mundra
74.3 hrs



Low Performing CFS

Hind Terminal CFS, Hazira
131.5 hrs



Note: The performance benchmarking is based on performance index

↑↓ The arrows depict increase/decrease in overall performance of the stakeholders in comparison to previous month

Performance Benchmarking - ICD



Performance benchmarking for ICDs covered under LDB project for August'18

Top Performing ICD

Albatross Inland Ports ICD, Dadri
114.9 hrs



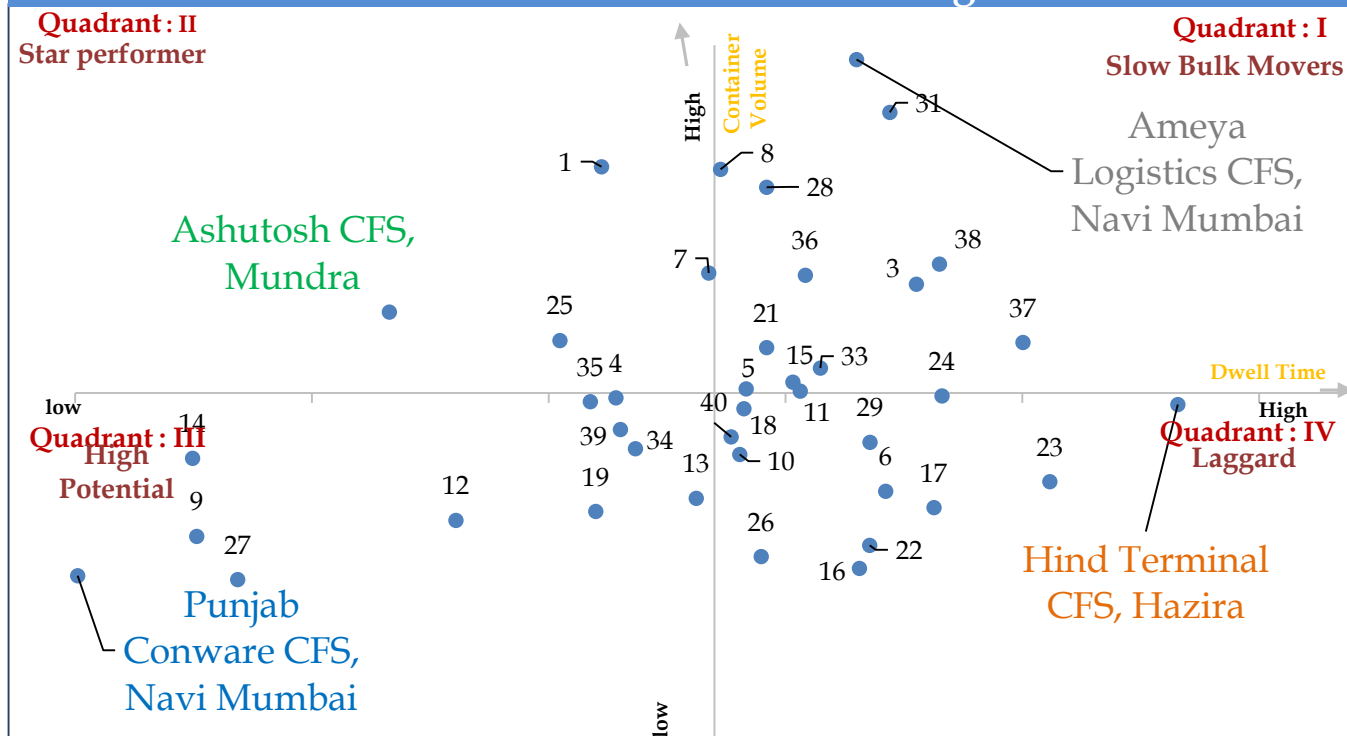
Low Performing ICD

CWC ICD, Patparganj
191.62 hrs

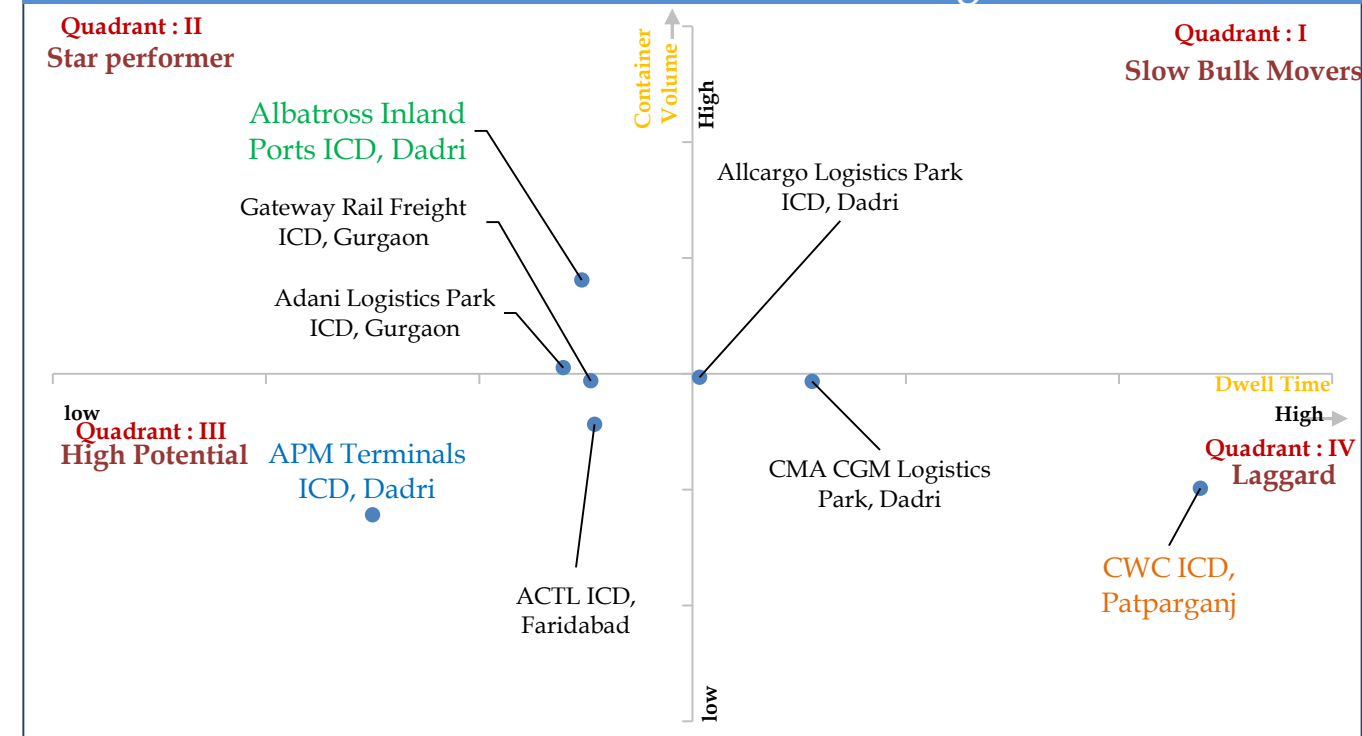


Note: The performance benchmarking is based on performance index

CFS Performance Index for Aug'18



ICD Performance Index for Aug'18

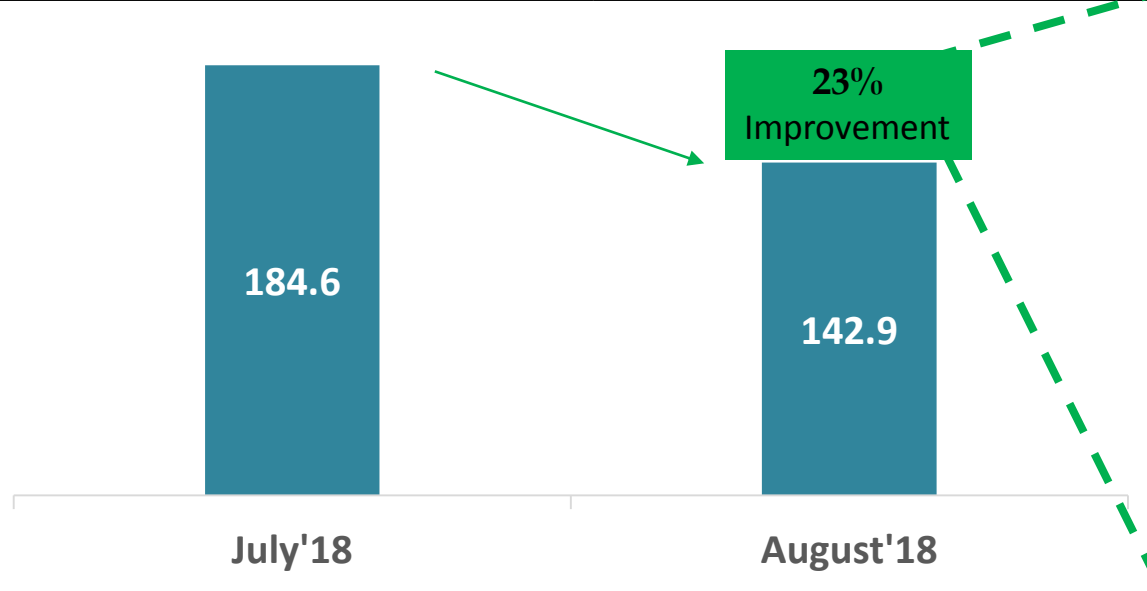


Key Findings

JNPT – Improvement in Rail Bound Container Movement Analysis

The Dwell time performance for Rail bound containers in Import Cycle at JNPT port has improved from last month, which is primarily due to better railway operations

Dwell time for Rail Bound Container in Import Cycle (in Hrs)

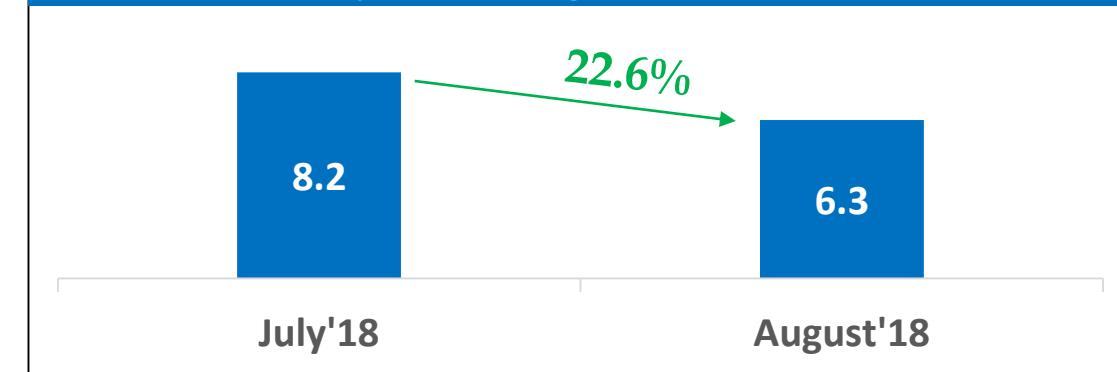


Improvement in Railway operations – Improved Dwell time for handling rail bound containers

To measure the Railway operations at Port we analyse the container handling time at railway siding for import cycle. The Improvement in container handling time at railway siding depicts the increased efficiency in railway operations to schedule the train movement properly

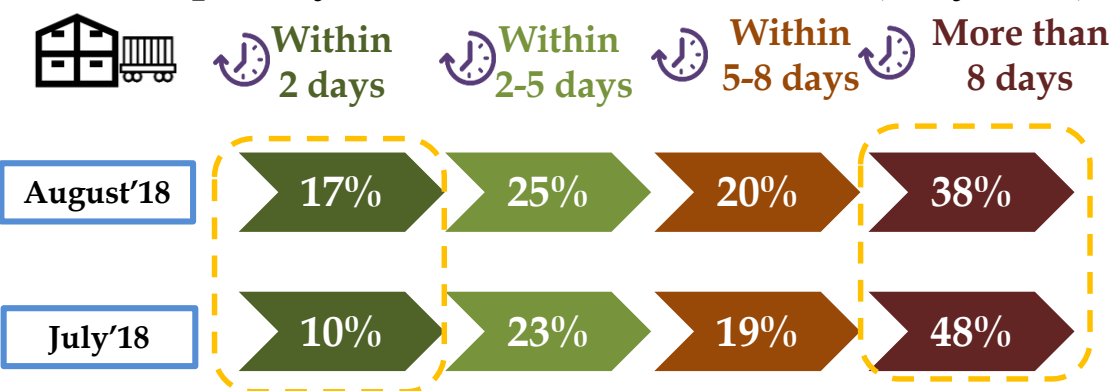
Less container handling time at Rail Siding = Less container waiting time inside Port

Railways handling time(in Hrs) - JNPT



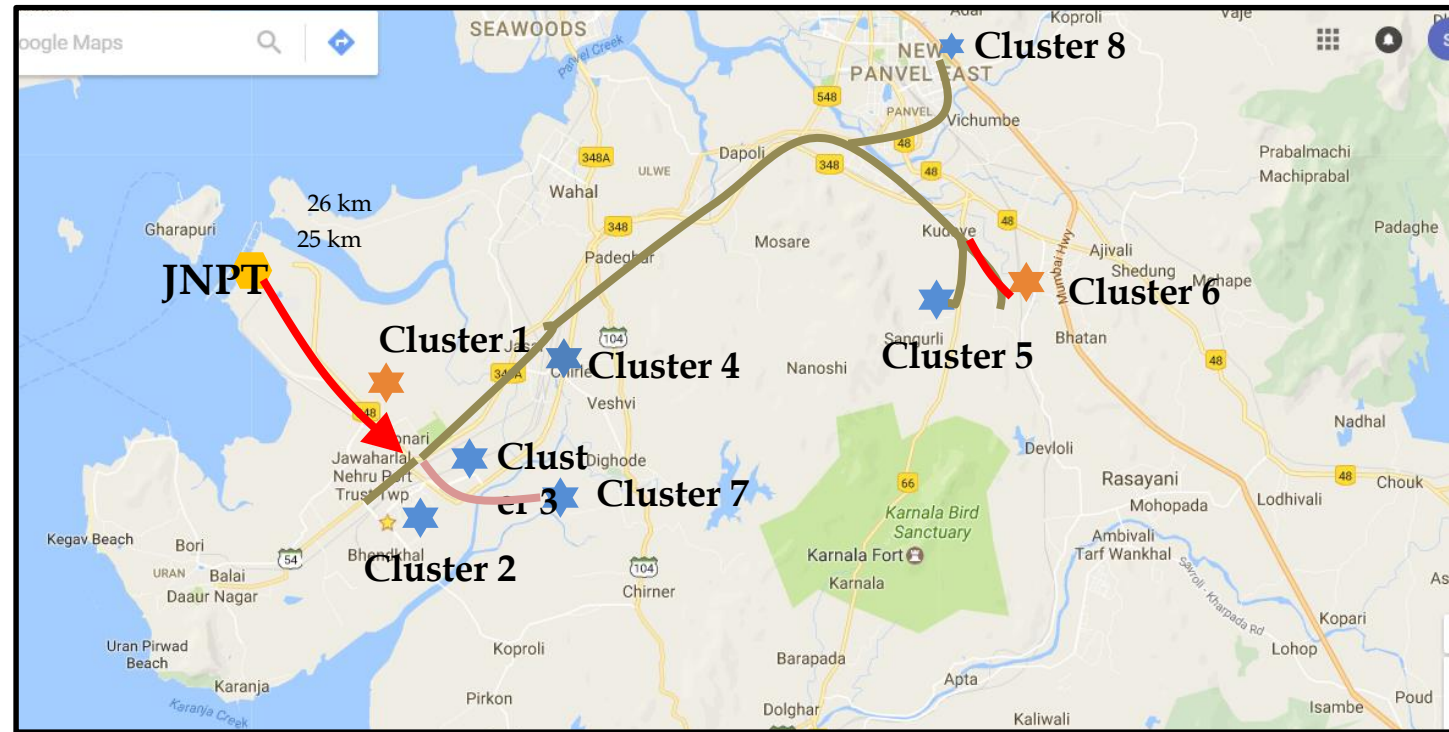
Container Handling time at Railway siding = The average time taken by containers to reach JNPT railway station from the moment they have been cleared from Port (i.e. Port Out).

JNPT Import Cycle Rail Container handled (Day wise)

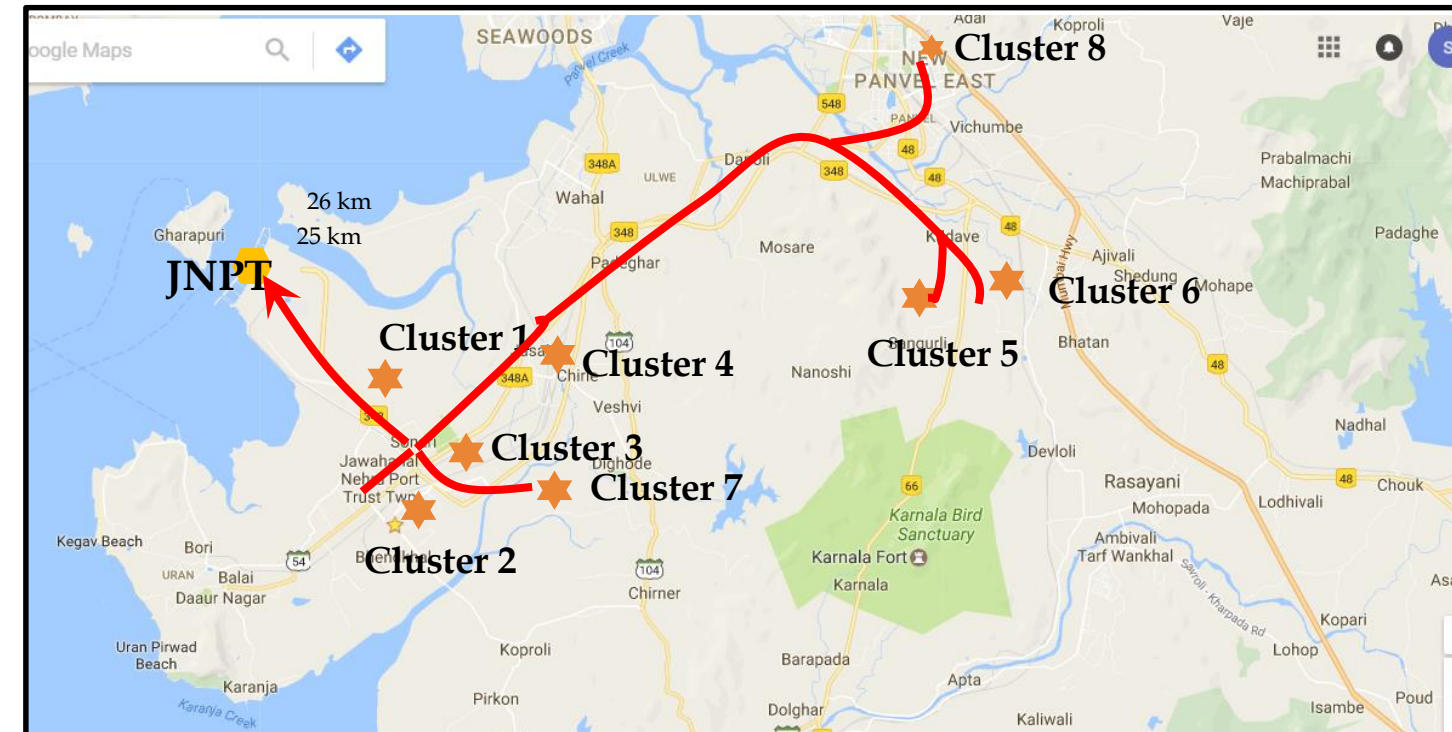


Congestion Analysis

JNPT - Import - Aug'18



JNPT - Export - Aug'18



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

Clusters with bottleneck	
Cluster 1	JNPT Y Junction Area
Cluster 6	Salva apta rd area, Bangalore highway

Clusters without bottleneck	
Cluster 2	Bhendkhal area, Khopate road
Cluster 3	Sonari area, JNPT road
Cluster 4	Chirle area, JNPT road
Cluster 5	Plaspa area, Coachi kanyakumari Highway
Cluster 7	Patilpada area, Khopate JNPT road
Cluster 8	Taloja, Navi Mumbai

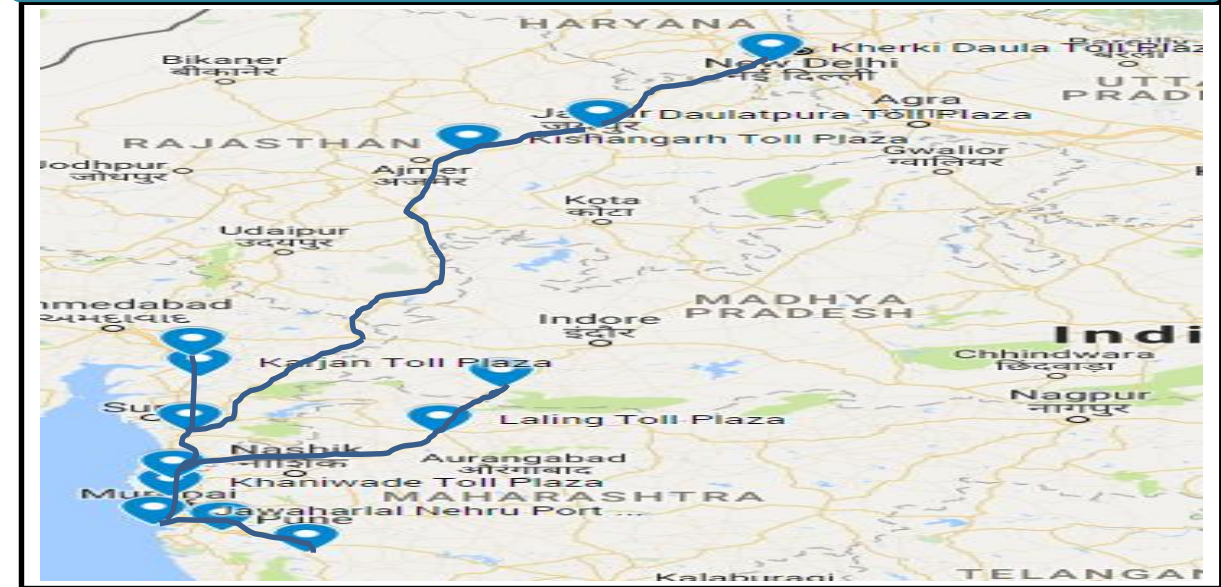
Cluster with bottleneck	
Cluster 1	JNPT Area
Cluster 2	Bhendkhal area, Khopate road
Cluster 3	Sonari area, JNPT road
Cluster 4	Chirle area, JNPT road
Cluster 5	Plaspa area, Coachi kanyakumari Highway
Cluster 6	Salva apta rd area, Bangalore highway
Cluster 7	Patilpada area, Khopate JNPT road
Cluster 8	Taloja, Navi Mumbai

Western Corridor Toll Plaza Analysis

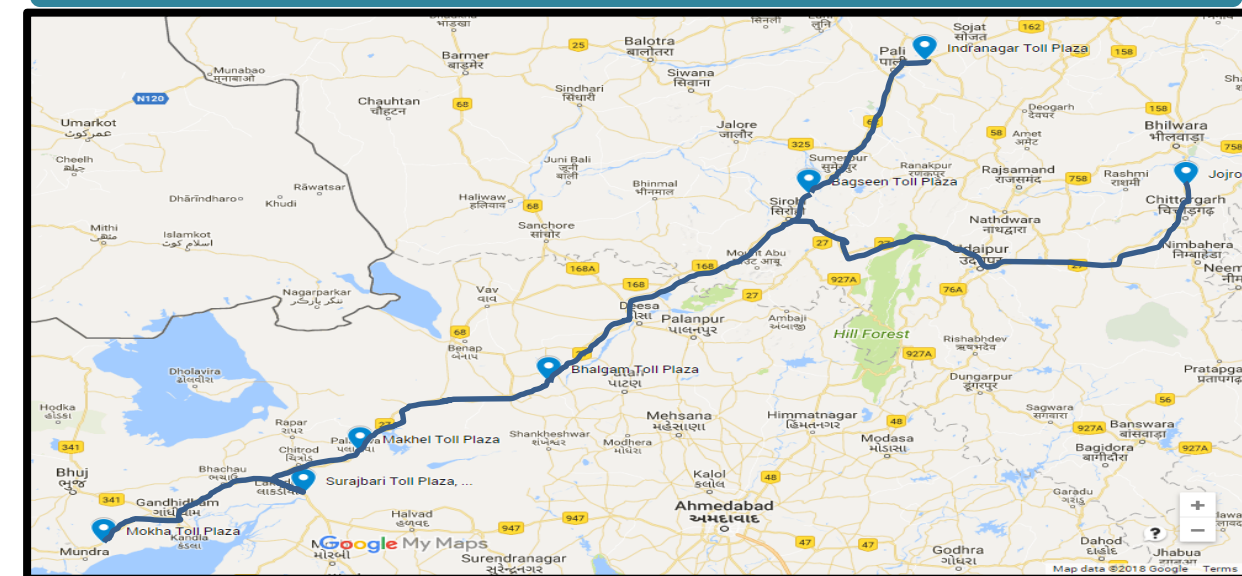
Avg. Travel Time & Speed between Toll Plazas (Aug'18)

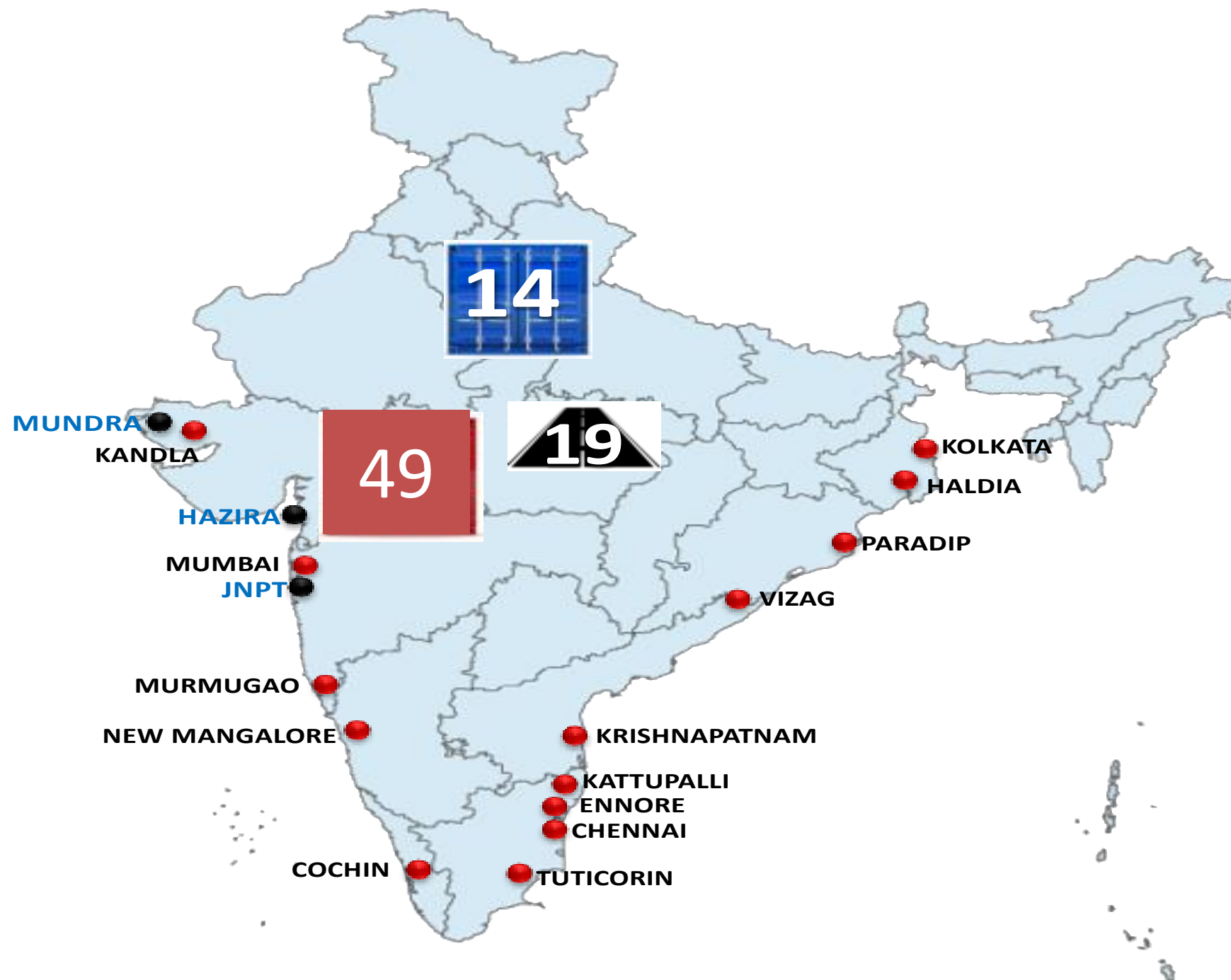
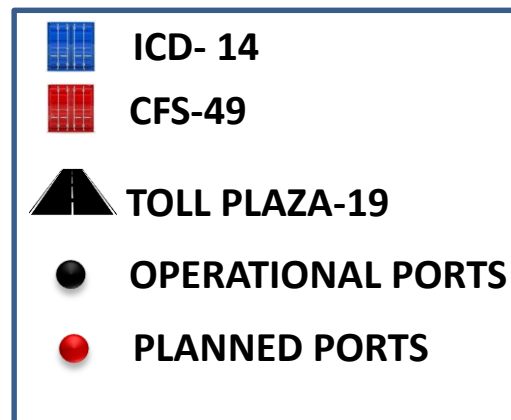
	Source	Destination Toll Plaza	Inter Distance (Km)	Avg. Travel Time (Hr)	July'18 Avg. Speed (Km/Hr.)	Aug'18 Avg. Speed (Km/Hr.)
JNPT	JNPT	Khaniwade	94	7.3	11.7	7.2
	JNPT	Khalapur	60	4.1	5.2	4.9
	Khaniwade	Charoti	50	1.30	31.8	31.2
	Charoti	Boriach	126	4.60	25.6	25.7
	Boriach	Bharthan	142	4.30	26.8	30.1
	Bharthan	Vasad	60	1.53	40.9	43.4
	Khalapur	Khedshivpur	105	3.7	27.9	26.8
	Daulatpura	Kherki	199	8.8	23.7	23.8
APSEZ	MICT	Mokha	28	1.3	22.3	22.3
	Mokha	Makhel	150	6.1	26.6	24.5
	Mokha	Surajbari	115	4.2	25.3	27.4
	Makhel	Bhalgam	108	2.9	36.1	37.4
	Bhalgam	Uthamam	209	6.9	29.4	29.4
	Uthamam	Indranagar	109	3.1	35	36.3

Toll Plaza - JNPT Port



Toll Plaza - APSEZ Port





*Out of 49 CFSs, five are from eastern and southern corridor which are added to LDB coverage but currently are not operational.



THANK YOU