

Terminal wise Dwell Time Performance – Snapshot

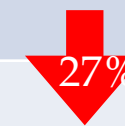
Import Cycle			Export Cycle		
Port	July'20 (in hrs)	August'20 (in hrs)	Port	July'20 (in hrs)	August'20 (in hrs)
JNPCT	24.9	26.5	JNPCT	68.3	71.4
NSICT	21.9	25.8	NSICT	62.6	71.2
GTI	15.4	23.3	GTI	98.6	96.1
NSIGT	20.9	26.4	NSIGT	59.5	63.6
BMCT/PSA	27.4	29.0	BMCT/PSA	76.1	72.9

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- Truck and train bound container handling performance in Import Cycle has deteriorated
- Container handling performance at CFS has also deteriorated as compared to last month

Month	Import Cycle – Truck bound Dwell Time	Import Cycle – Train bound Dwell Time	CFS Dwell Time
August'20	23.9 hrs	36.6 hrs	92.9 hrs
July'20	20.6 hrs	28.7 hrs	88.2 hrs



IMPORT

Port Dwell Time

Mode	July'20 (in hrs)	August'20 (in hrs)
Overall	30.6	30.2
Truck	30.7	29.1
Train	29.6	38.5

EXPORT

Mode	July'20 (in hrs)	August'20 (in hrs)
Overall	98.8	102.9
Truck	96.8	99.6
Train	109.9	117.7

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



Inland
Container
Depot (ICD)



Container
Freight
Stations (CFS)

Entity	July'20 (in hrs)	August'20 (in hrs)
CFS	88.2	89.3
ICD	118.6	113.7

The marked entries showcase increase in performance in comparison to July'20

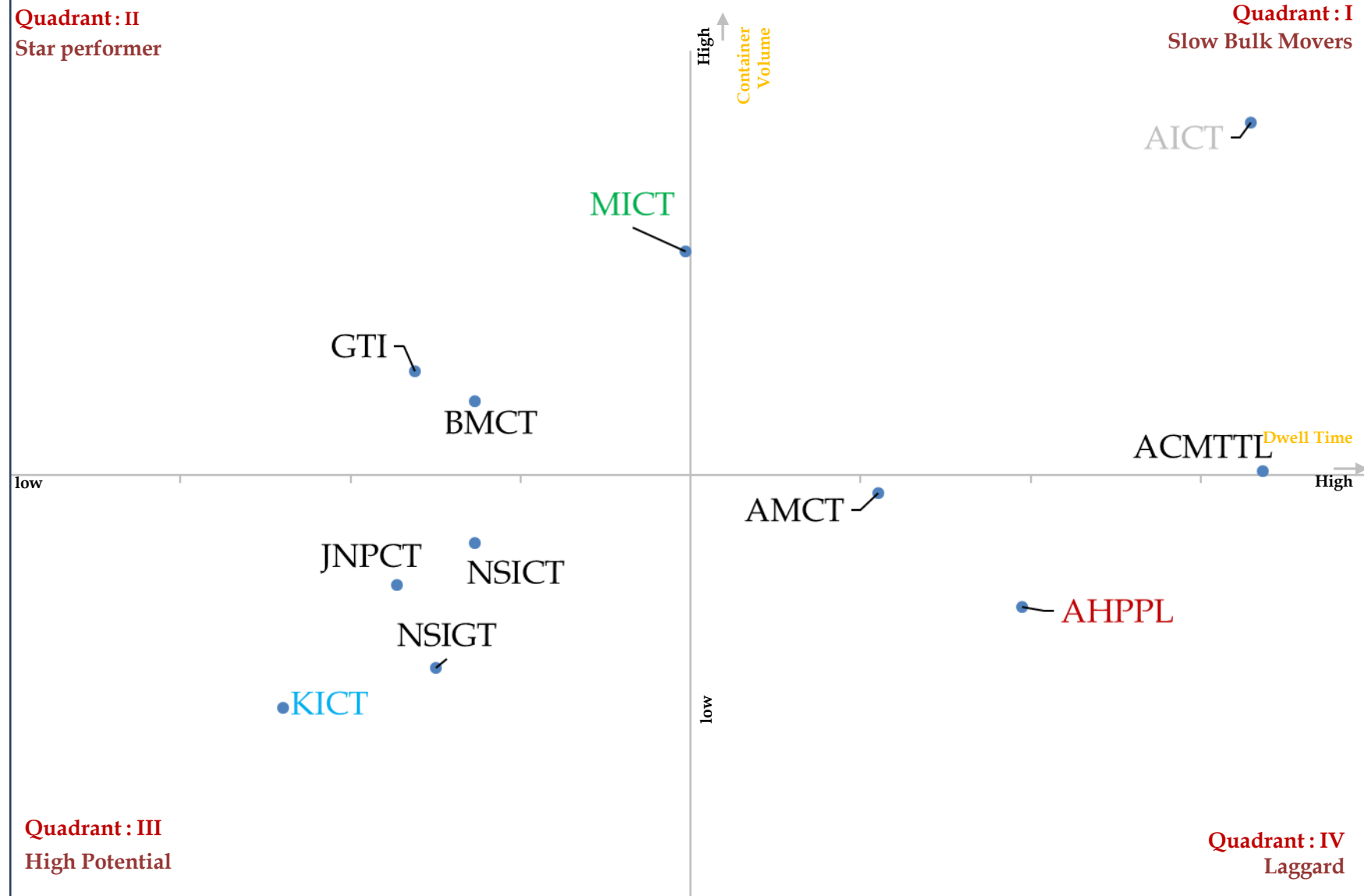
The marked entries showcase decrease in performance in comparison to July'20



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - August'2020



Performance benchmarking for Port Terminals covered under LDB project for Aug'20

Top Performing Terminal

Mundra International Container Terminal (MICT)

July'20	August'20
58.7 hrs	65.4 hrs



Low Performing Terminal

Adani Hazira Port Private Limited (AHPPL)

July'20	August'20
80.8 hrs	89.93 hrs



Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to July'20

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

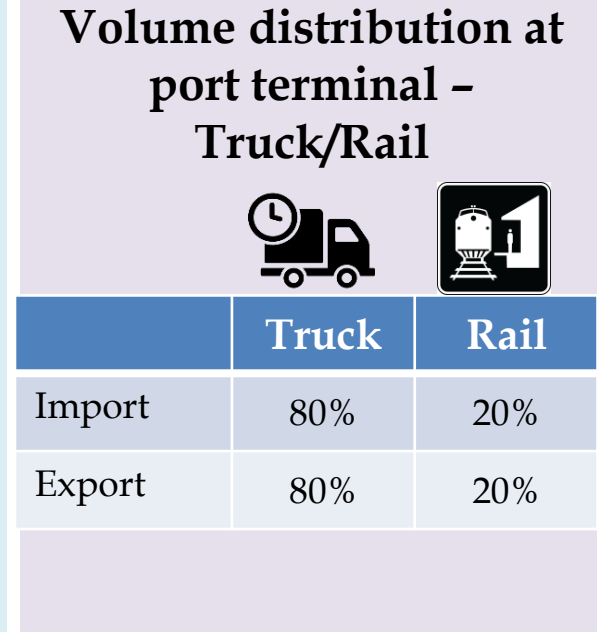
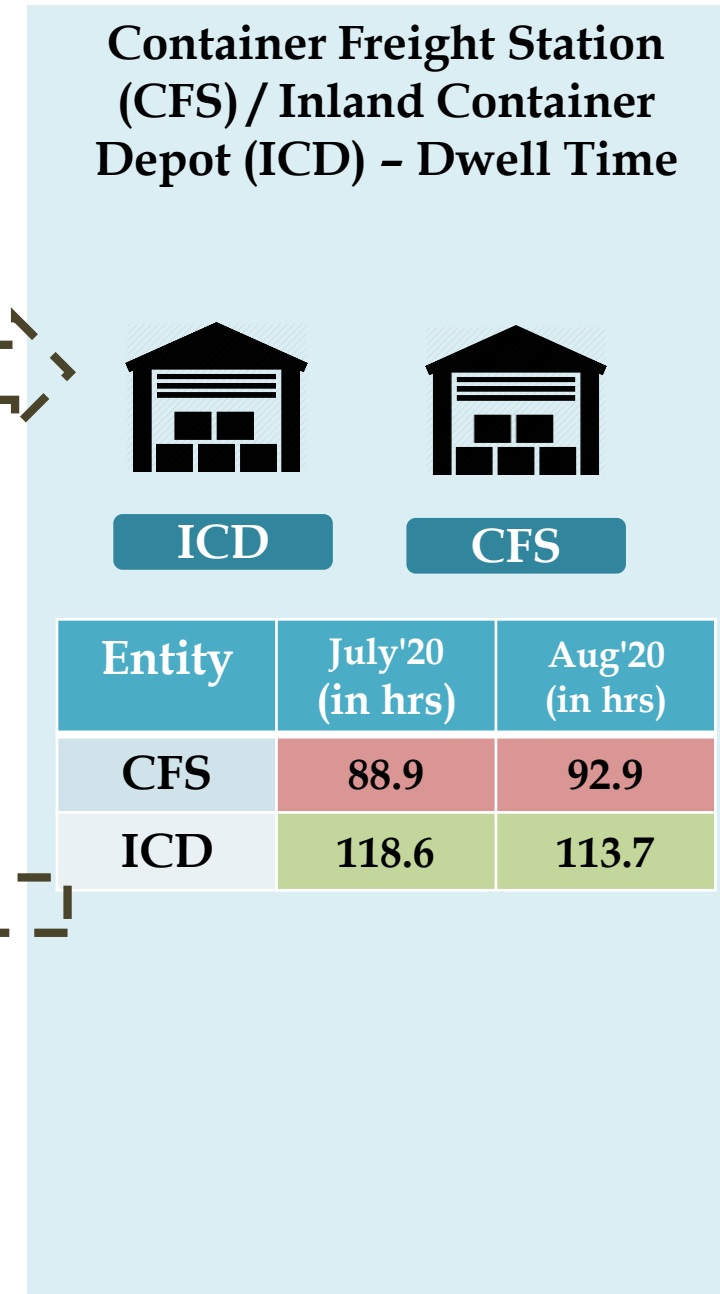
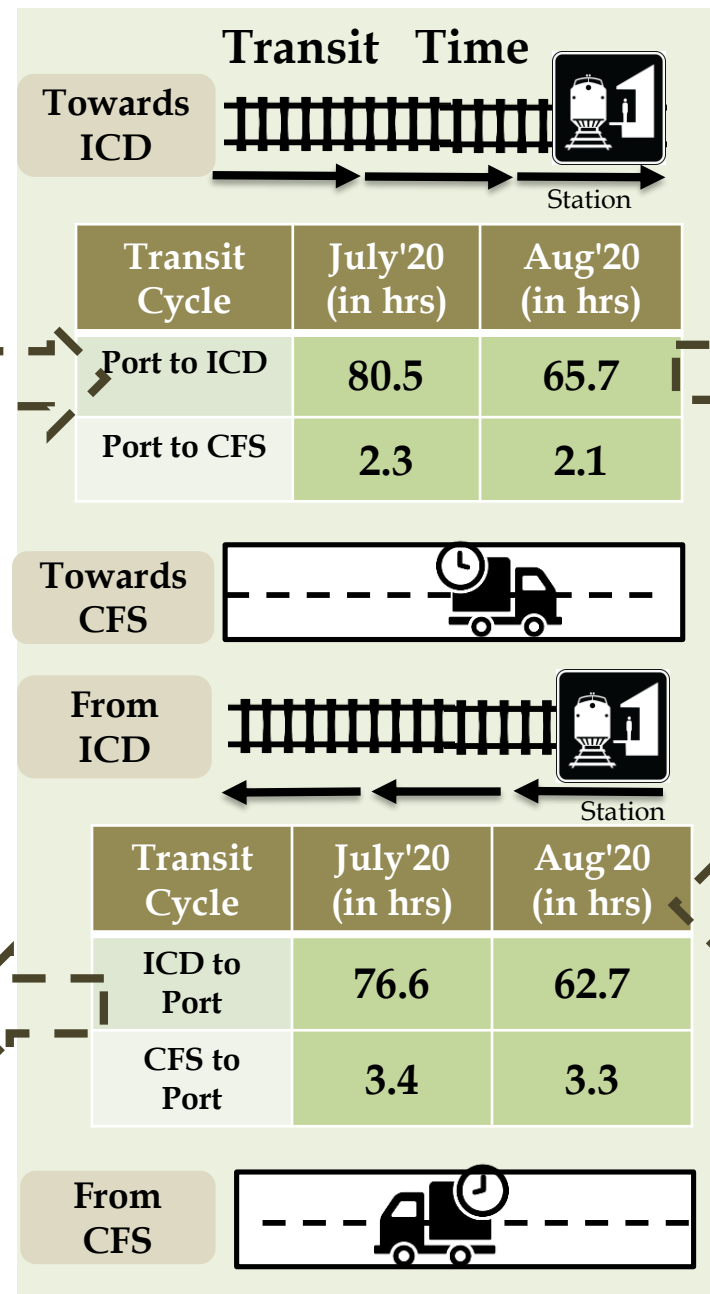
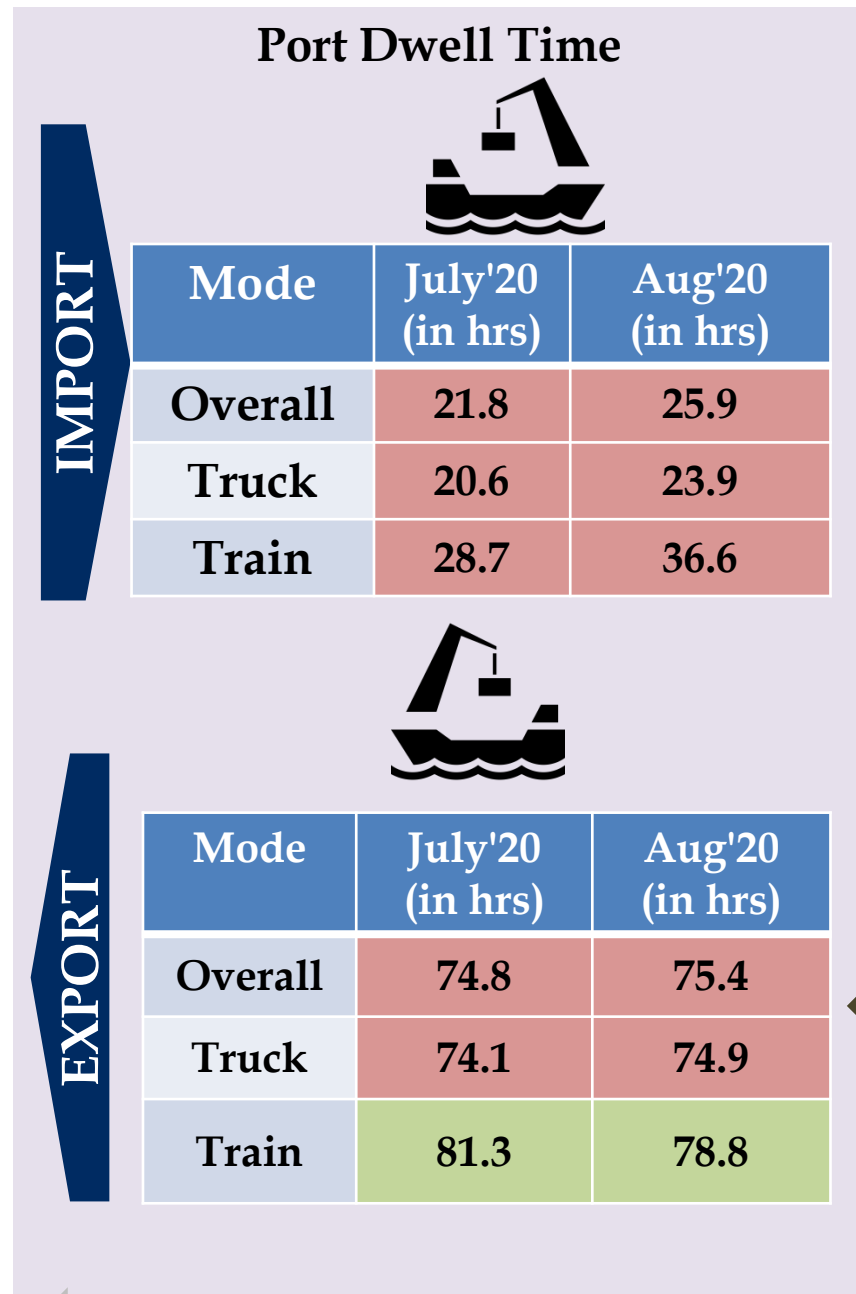
Slow Bulk Movers : consist of entities which have catered higher container volume at higher dwell time


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


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

Container Transportation- JNPT Port Terminals

Container Lifecycle (Import Cycle)



 The marked entries showcase the increase in performance as compared to July'20

 The marked entries showcase the decrease in performance as compared to July'20

Container Lifecycle (Export Cycle)

Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Aug'20 – in hrs)			Compared to July'20
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	25.9	19% ↓
	Port Dwell Time for Truck Bound Containers	23.9	16% ↓
	Port Dwell time for Train Bound Containers	36.6	27% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	42.8	1% ↑
	Port Dwell time Containers bound for CFS	19.5	9.9% ↓
	Port Dwell for Empty Containers	39.7	6% ↓
	Port Dwell for Laden Containers	22.2	10% ↓
TRANSIT TIME	Port to ICD	65.7	18% ↑
	Port to CFS	2.1	9% ↑

EXPORT CYCLE DWELL TIME (Aug'20– in hrs)			Compared to July'20
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	75.4	0.8% ↓
	Port Dwell Time for Truck Bound Containers	75	1.2% ↓
	Port Dwell time for Train Bound Containers	78.8	3.1% ↑
	Port Dwell time Direct Port Entry (DPE) containers	79.8	3.2% ↓
	Port Dwell time Containers bound from CFS	76.8	8.7% ↓
	Port Dwell for Empty Containers	68	11% ↑
	Port Dwell for Laden Containers	76.4	5% ↓
TRANSIT TIME	ICD to Port	62.7	18% ↑
	CFS to Port	3.3	3% ↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to July'20

The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPT Port Terminals and their volume bifurcation in export cycle

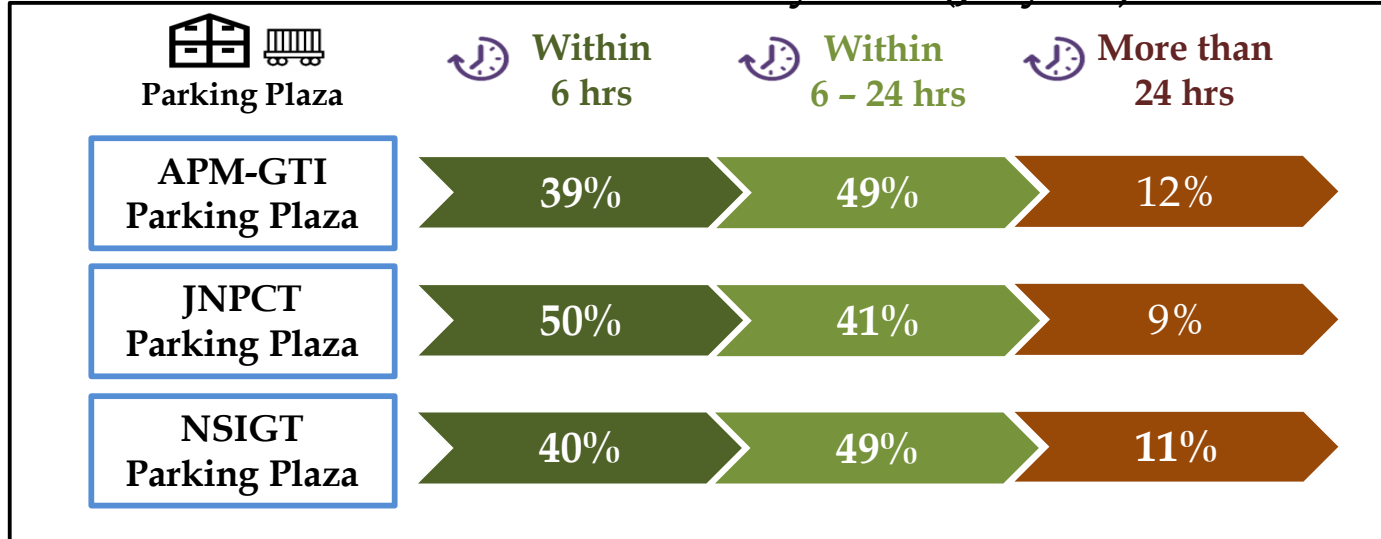


Parking Plaza Gate In – Gate Out

Mode	July'20 (in hrs)	Aug'20 (in hrs)
Overall Parking Plaza	6.2	7.2

Parking Plaza	July'20 (in hrs)	Aug'20 (in hrs)
APM-GTI Parking Plaza	6.2	7.5
JNPCT Parking Plaza	5.7	6.0
NSIGT Parking Plaza	6.3	7.1

Container Handled: Day wise (July'20)

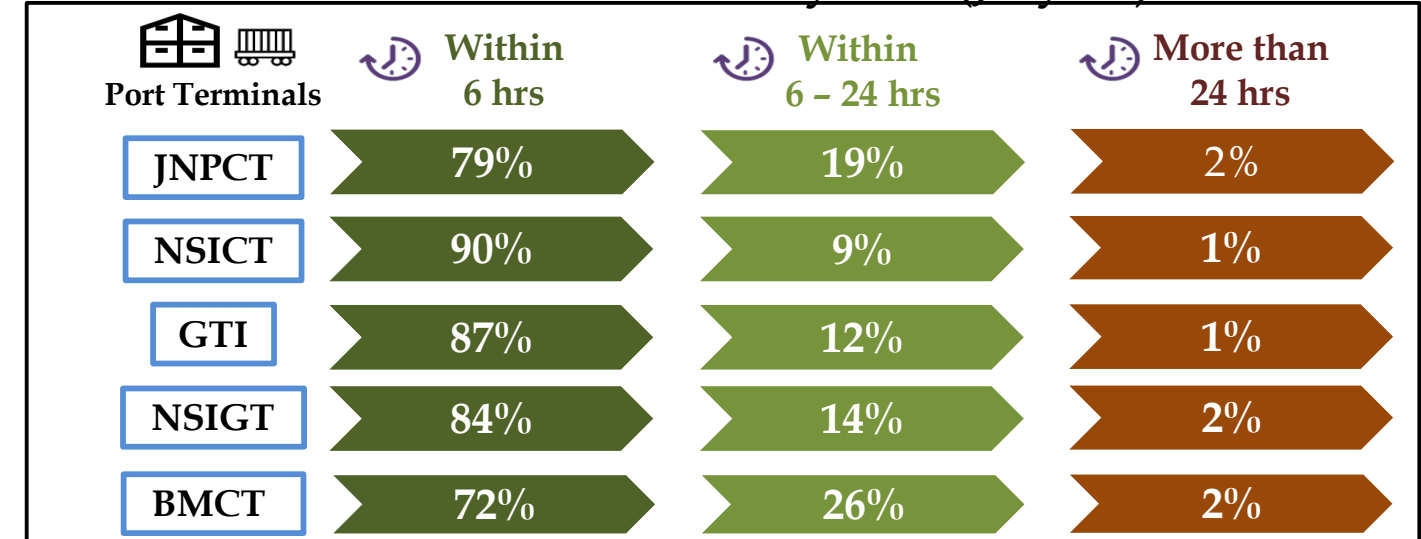


Parking Plaza Gate Out – Terminal In

Mode	July'20 (in hrs)	Aug'20 (in hrs)
Overall Parking Plaza to JNPT Port	2.0	2.19

Port	July'20 (in hrs)	Aug'20 (in hrs)
JNPCT	2.7	2.2
NSICT	1.1	1.4
GTI	1.5	2.5
NSIGT	1.0	0.8
BMCT	4.2	3.9

Container Handled: Day wise (July'20)



CFS/ICD Performance Benchmarking & Performance Index - Western Corridor



CFS



Performance Benchmarking



ICD

Top Performing CFS

MICT CFS, Mundra

July'20

57.3 hrs

August'20

47.6 hrs



Low Performing CFS

Take Care Logistics CFS

July'20

132.0 hrs

August'20

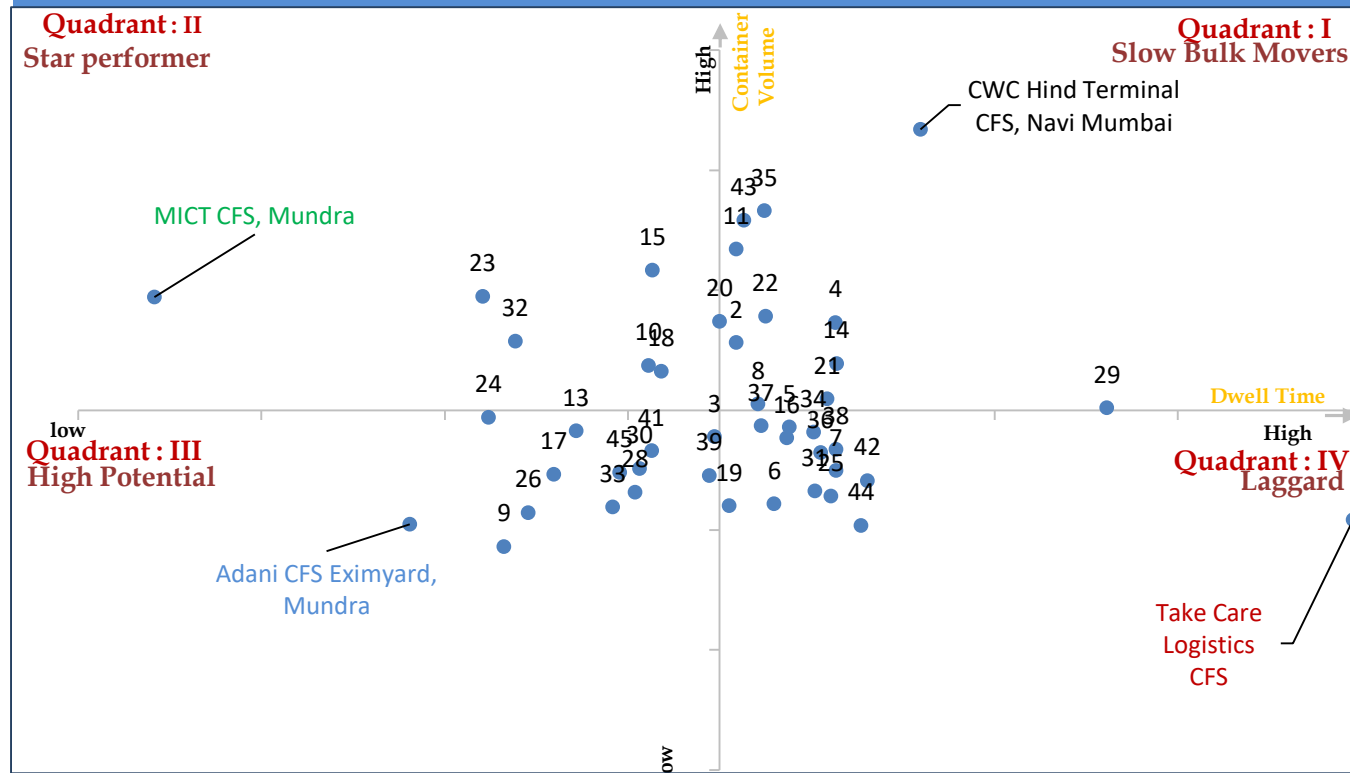
138 hrs



Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders as compared to July'20

Performance Index: Western Corridor CFS



Top Performing ICD

Albatross Inland Ports ICD, Dadri

July'20

78 hrs

August'20

92 hrs



Low Performing ICD

Adani Logistics Park ICD, Gurgaon

July'20

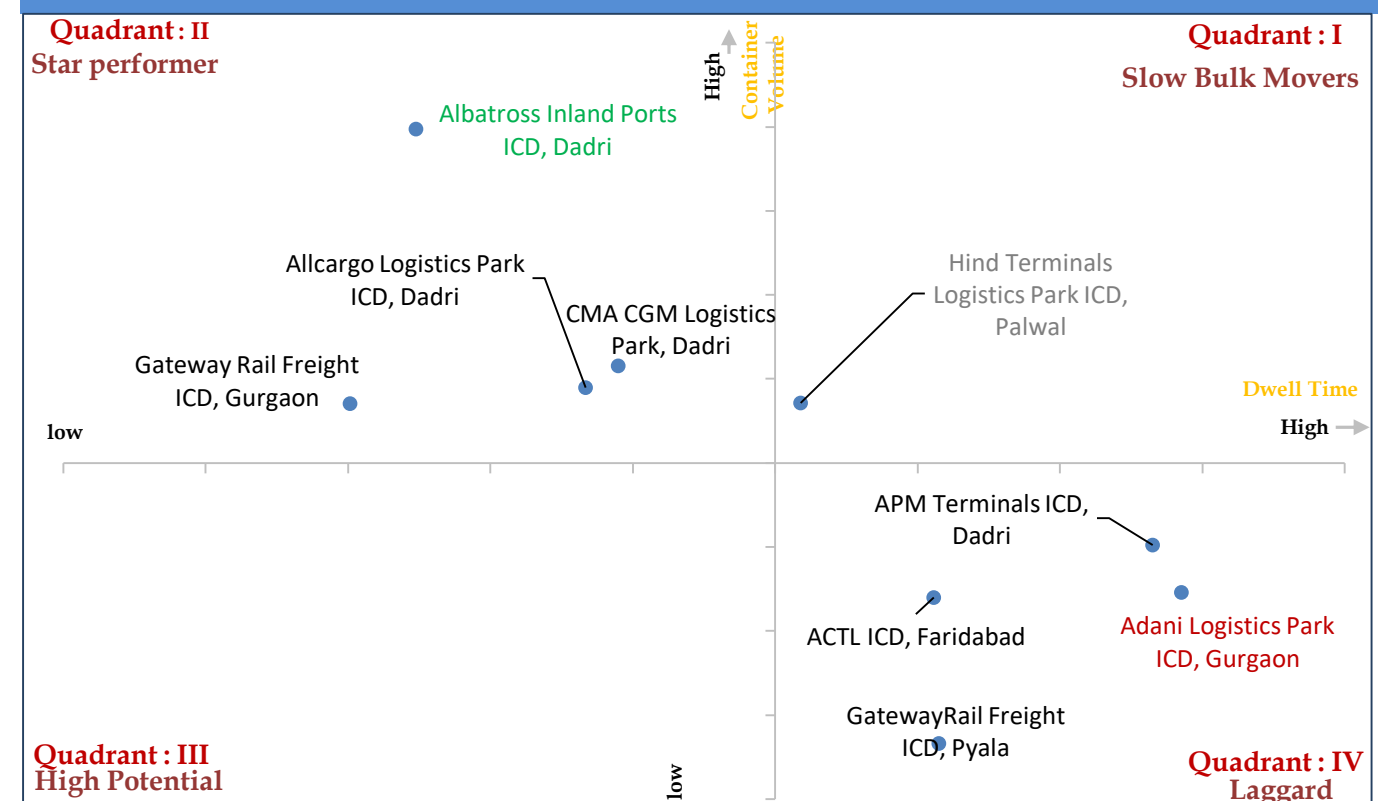
153 hrs

August'20

141 hrs



Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the port dwell time performance at JNPT port for truck and train bound containers in import cycle

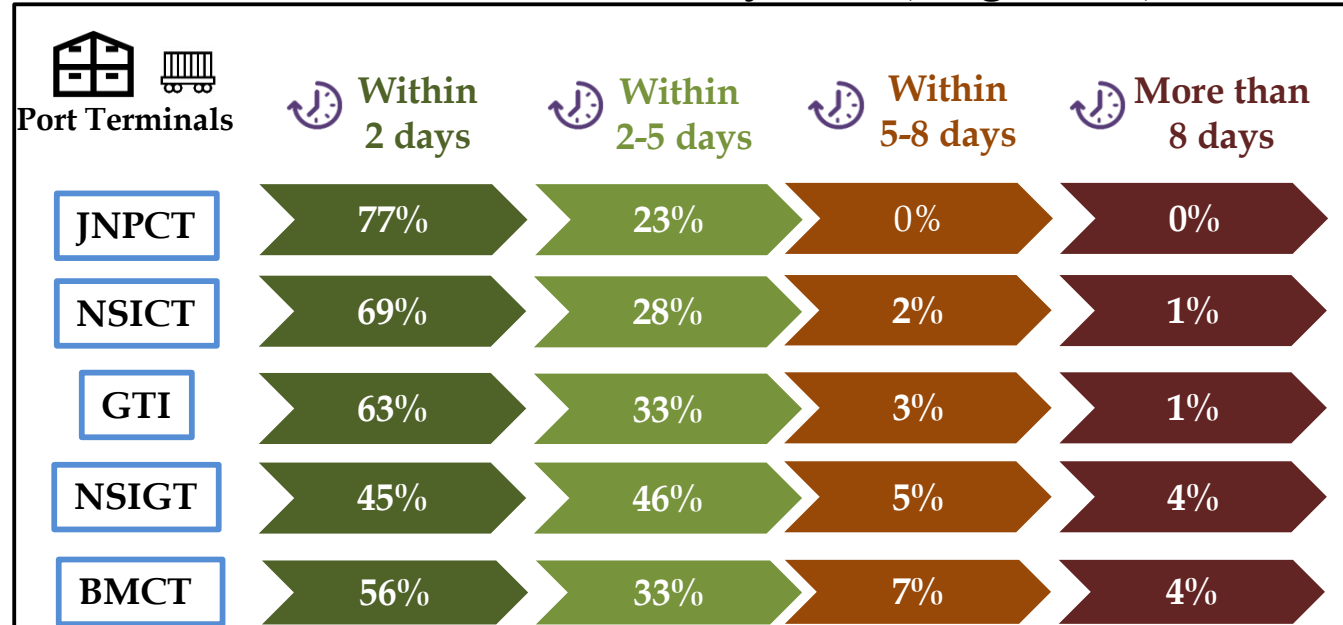
PORT IMPORT via TRAIN

(20% of total import volume at JNPT Port)

The Port Dwell time data for train bound container movement in import cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	July'20 (in hrs)	August'20 (in hrs)
JNPCT	21.7	27.2
NSICT	27.6	32.9
GTI	23.1	36.1
NSIGT	30.0	54.0
BMCT	37.3	40.8

Container Handled: Day wise (August'20)



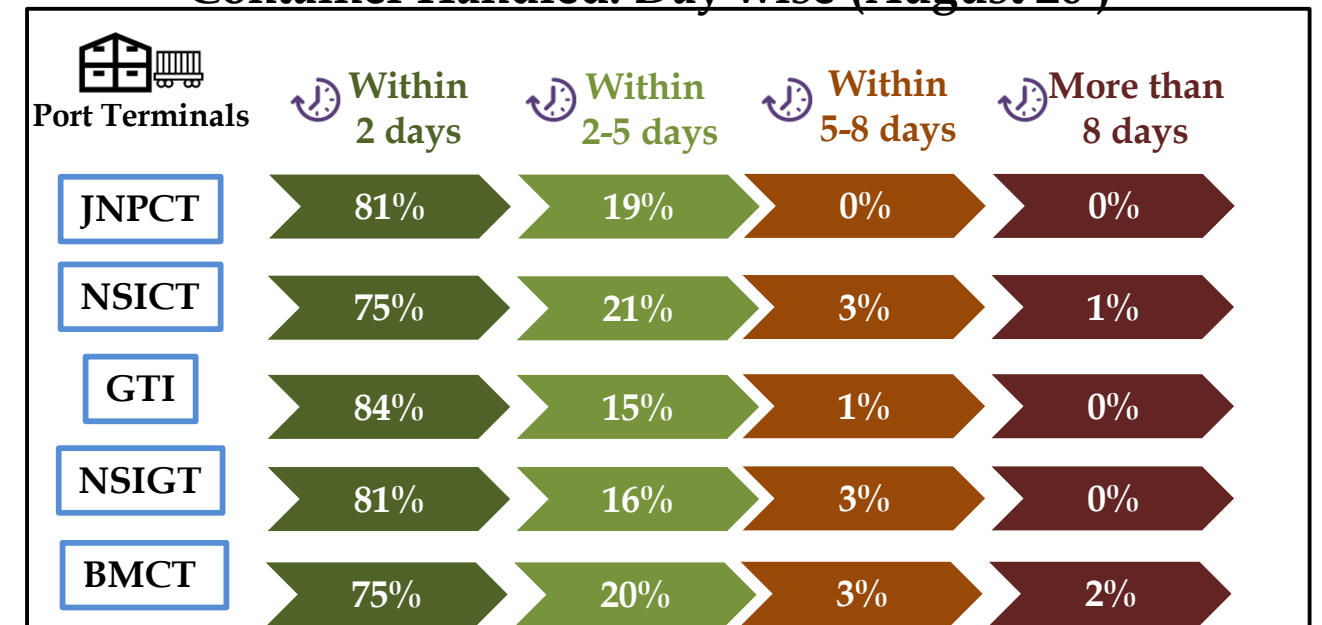
PORT IMPORT via TRUCK

(80% of total import volume at JNPT Port)

The Port Dwell time data for Truck bound container movement in import cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	July'20 (in hrs)	August'20 (in hrs)
JNPCT	25.1	26.0
NSICT	21.0	24.3
GTI	14.2	21.0
NSIGT	19.9	23.6
BMCT	24.8	26.1

Container Handled: Day wise (August'20)



The below tables depict the detailed JNPT region port performance in the month of August'20

JNPCT		
Port Dwell time based on transit type		
August'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	47.7 hrs	22.9 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	25.2 hrs	38.4 hrs

GTI		
Port Dwell time based on transit type		
August'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	38.0 hrs	16.6 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	20.3 hrs	42.9 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPT region port performance in the month of August'20

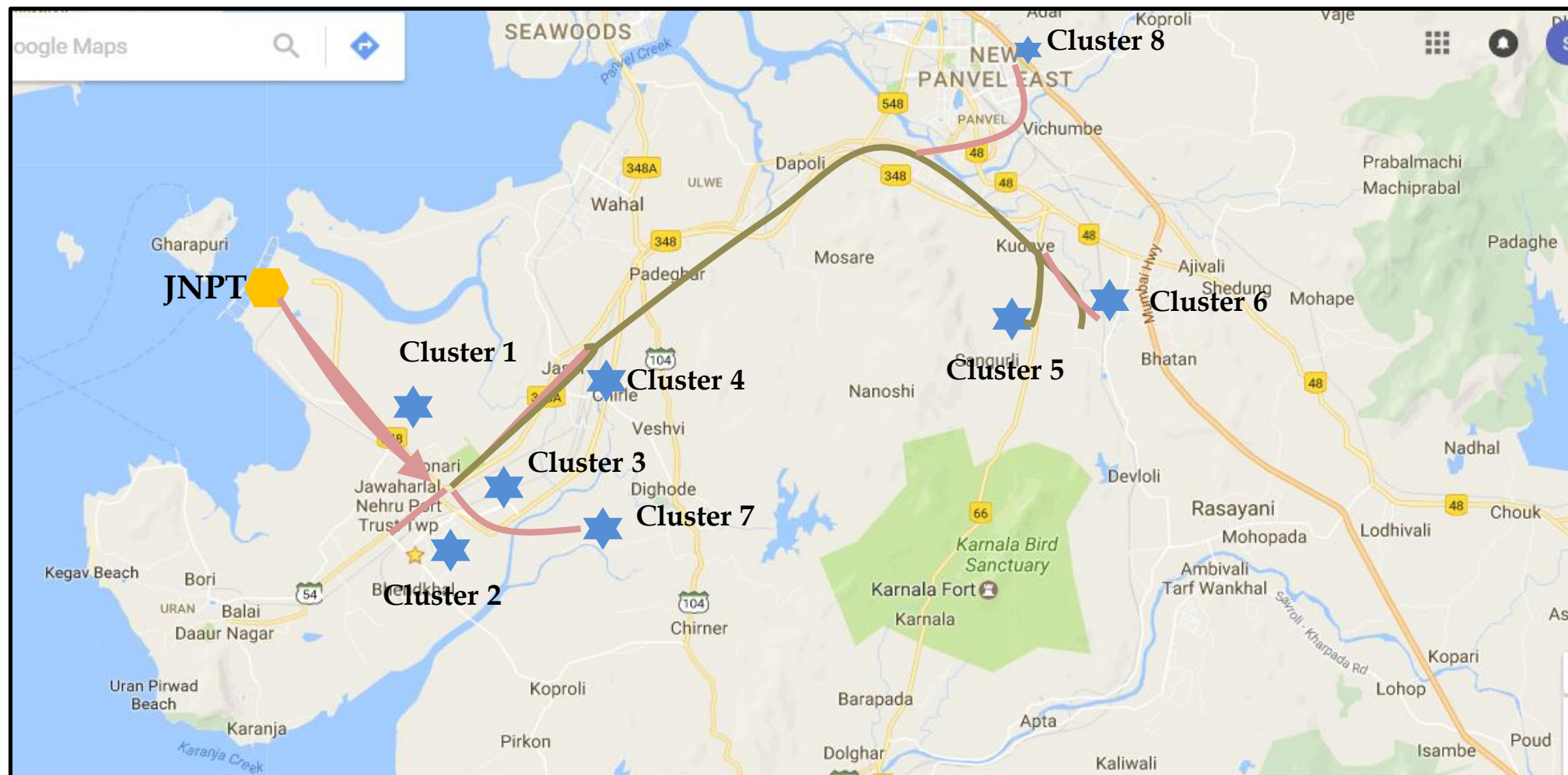
NSICT		
Port Dwell time based on transit type		
August'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	59.2 hrs	18.4 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	20.1 hrs	33.6 hrs

NSIGT		
Port Dwell time based on transit type		
August'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	59.2 hrs	18.0 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	20.1 hrs	31.1 hrs

BMCT		
Port Dwell time based on transit type		
August'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	42.5 hrs	21.4 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	22.6 hrs	57.0 hrs

JNPT Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPT region in Import Cycle in month of August'20



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

NSICT Terminal
Congestion Level
Import Cycle :-

NSIGT Terminal
Congestion Level
Import Cycle :-

Clusters with bottleneck

CLUSTER 1 JNPT Area

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, Coach kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPT road
CLUSTER 8	Taloja, Navi Mumbai

Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
2) Analysis consist of CFS covered under LDB project

JNPT Region Import Cycle: Container Movement

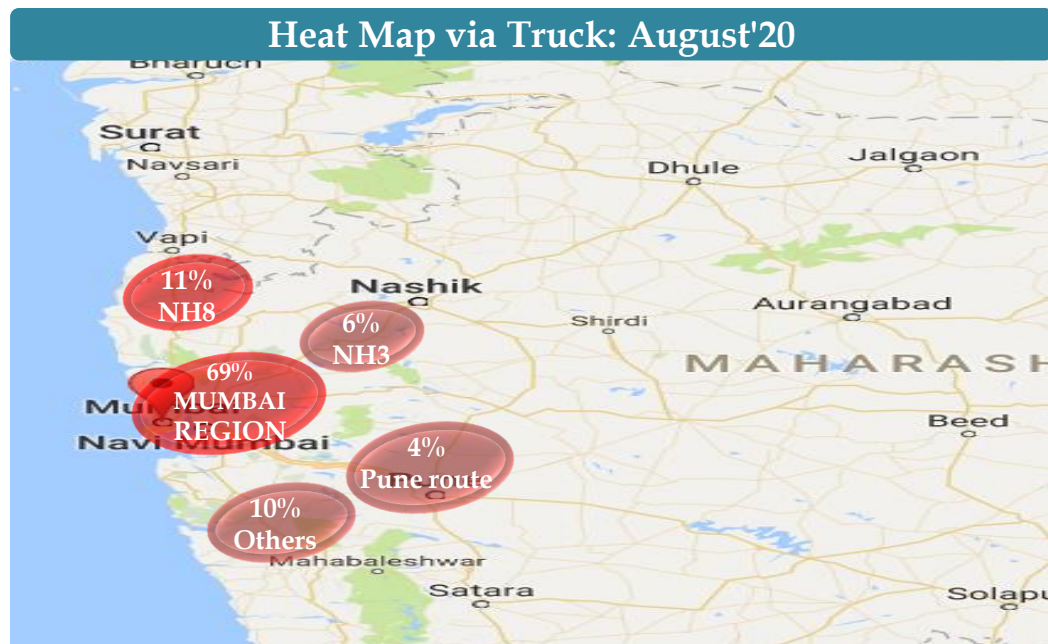
The below table and graphs depict the container movement across JNPT port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	August'20
Mumbai region	69%
NH3	6%
Pune	4%
NH8	11%
others	10%

The figure depicts the movement of containers via truck in and around Mumbai region.

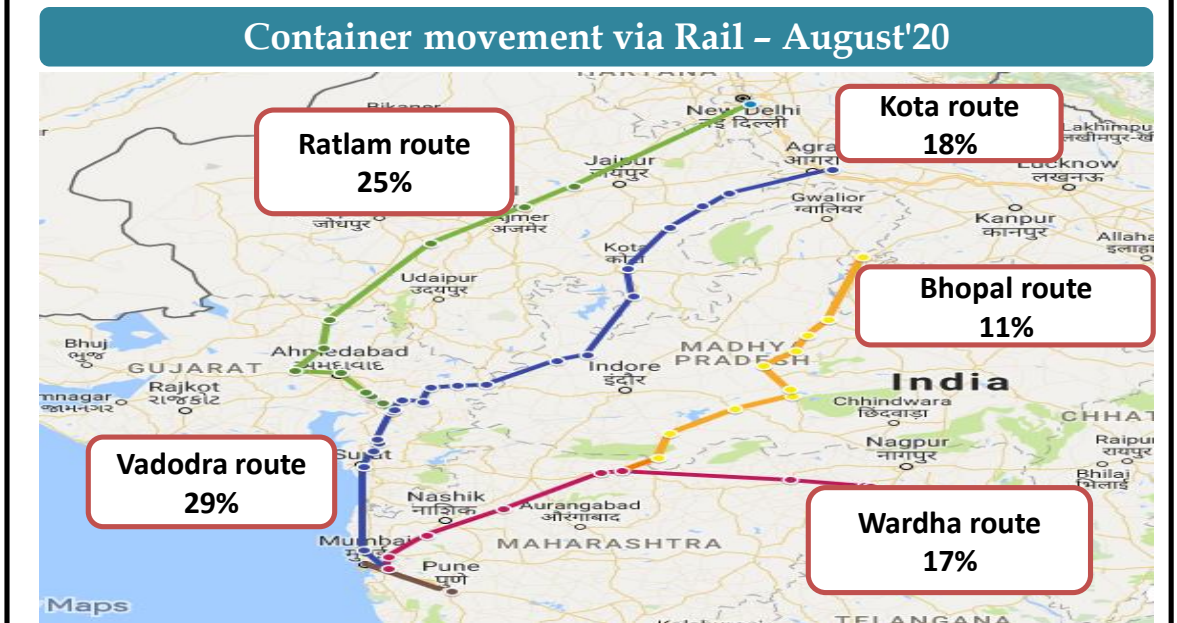


Train

VOLUME WISE CONTAINER MOVEMENT

Region	August'20
Vadodra Route	29%
Ratlam Route	25%
Wardha Route	17%
Kota Route	18%
Bhopal Route	11%

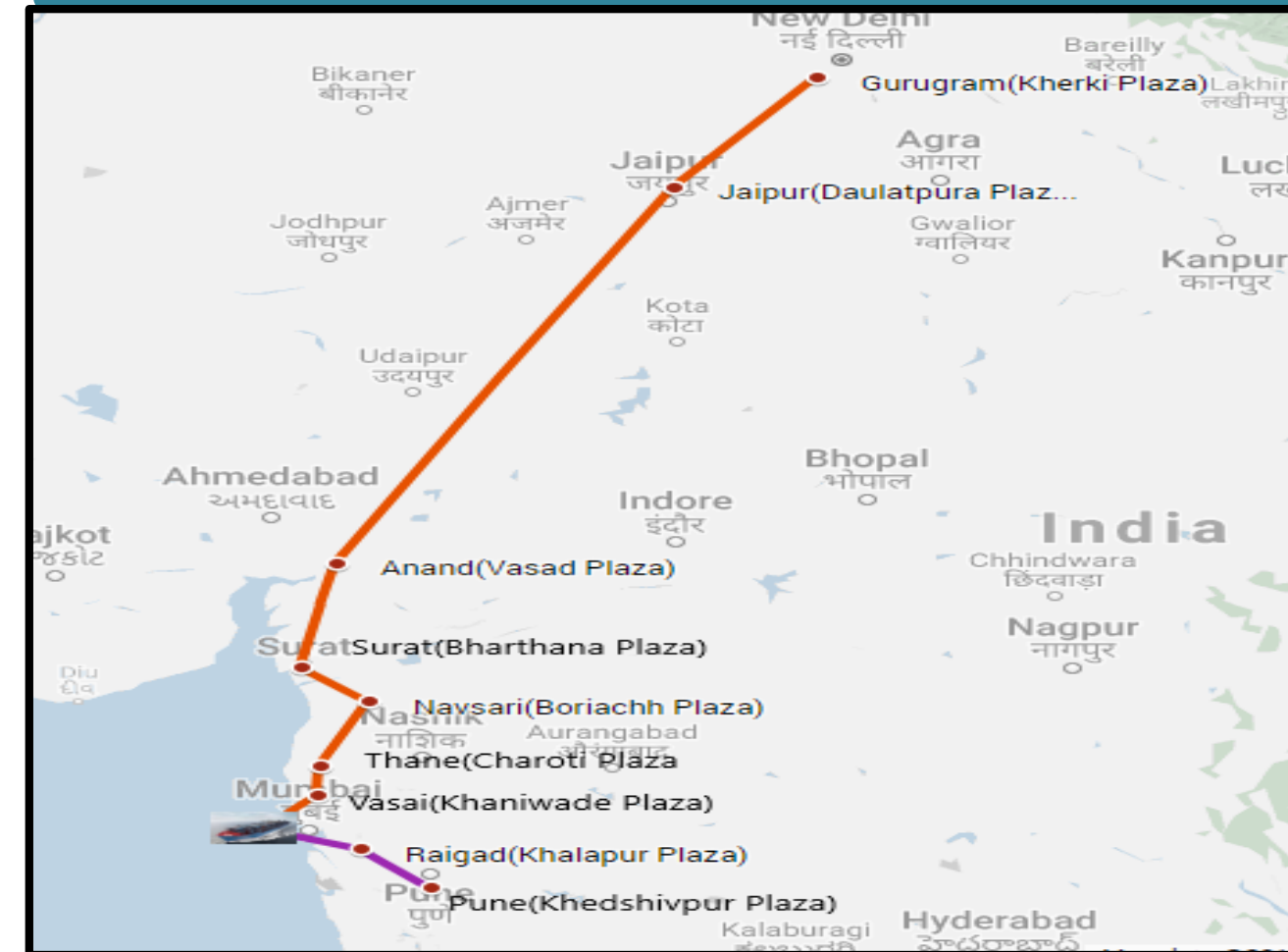
The map shows the volume wise container movement through different railway routes in import cycle



Avg. Speed between Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	July'20 (in km/hrs)	August'20 (in km/hrs)
JNPT	JNPT	Khaniwade	94	15.4	11.3
	JNPT	Khalapur	60	7.6	12.5
	Khaniwade	Charoti	50	31.8	19.8
	Charoti	Boriach	126	28.2	24.2
	Boriach	Bharthan	142	33.9	28.9

Toll Plaza - JNPT Port



Export Cycle Analysis

JNPT Region: Dwell Time Performance (Export Cycle)

The below tables depict the port dwell time performance at JNPT port for truck and train bound containers in export cycle

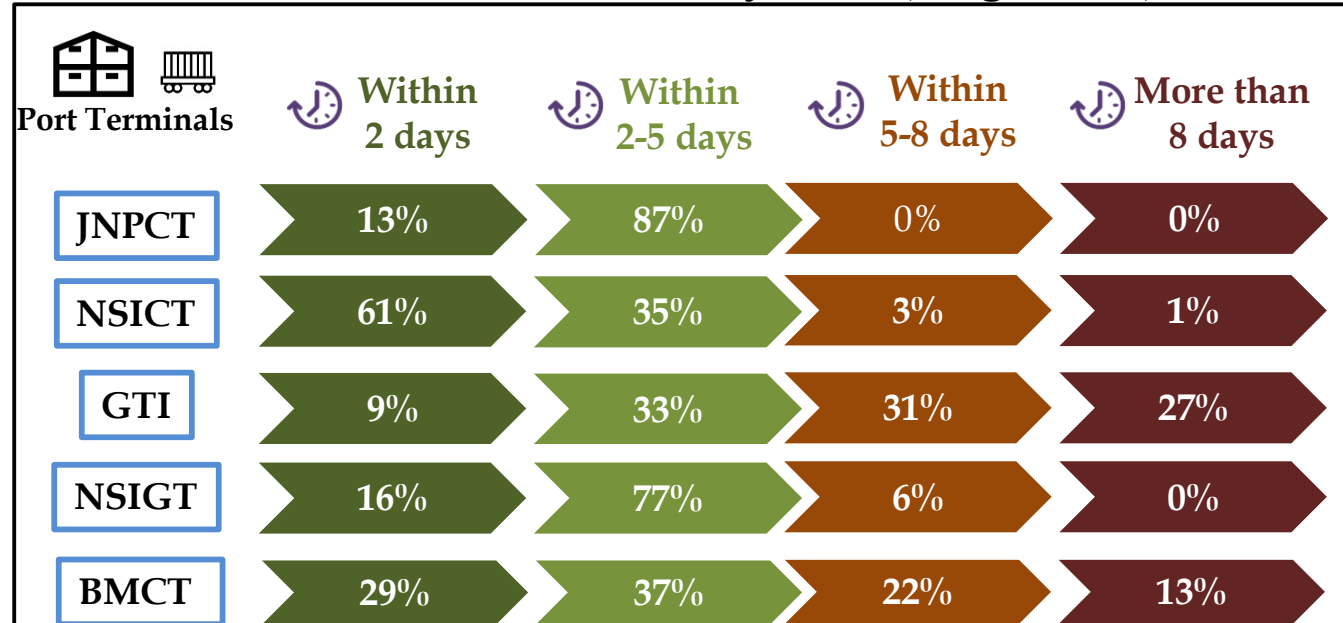
PORT EXPORT via TRAIN

(20% of total export volume at JNPT Port)

The Port Dwell time data for train bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	July'20 (in hrs)	August'20 (in hrs)
JNPCT	71.5	76.1
NSICT	12.7	20.6
GTI	141.8	136.1
NSIGT	68.7	79.7
BMCT	92.2	81.1

Container Handled: Day wise (August'20)



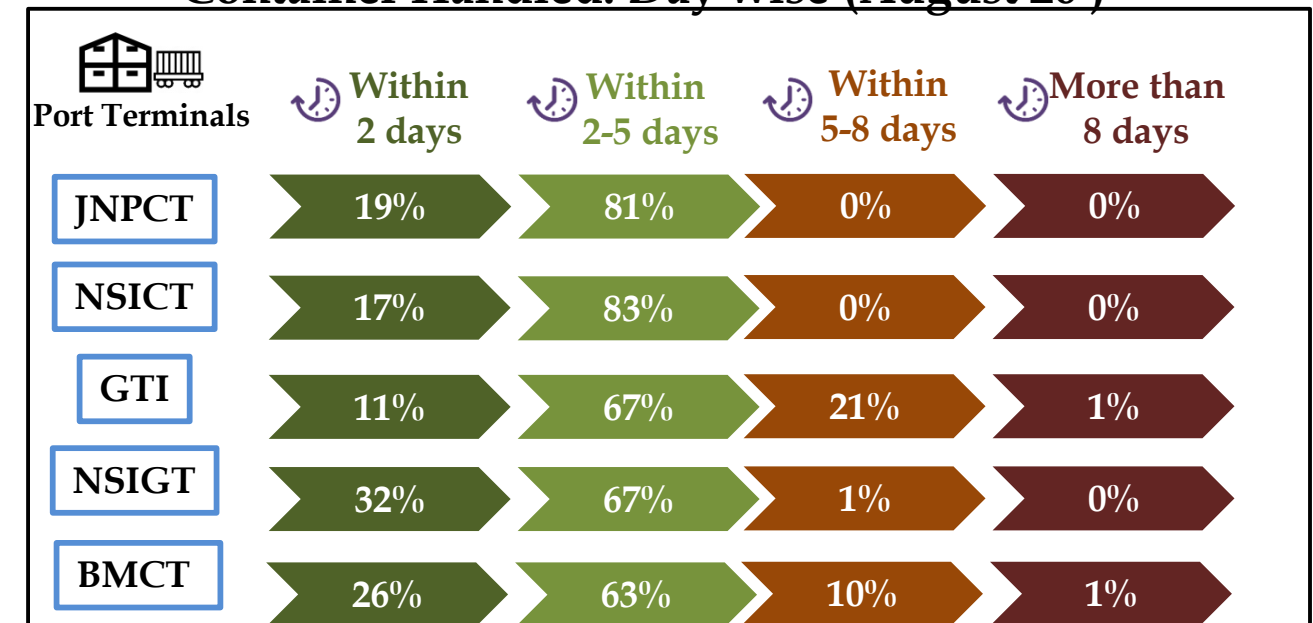
PORT EXPORT via TRUCK

(80% of total export volume at JNPT Port)

The Port Dwell time data for Truck bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	July'20 (in hrs)	August'20 (in hrs)
JNPCT	68.2	71.3
NSICT	71.0	77.3
GTI	91.9	90.3
NSIGT	59.1	62.8
BMCT	73.2	71.0

Container Handled: Day wise (August'20)



The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for August'20

JNPCT		
Port Dwell time based on transit type		
August'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	74.6 hrs	73.2 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	72.0 hrs	69.7 hrs

GTI		
Port Dwell time based on transit type		
August'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	94.0 hrs	94.8 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	96.2 hrs	84.2 hrs

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for August'20

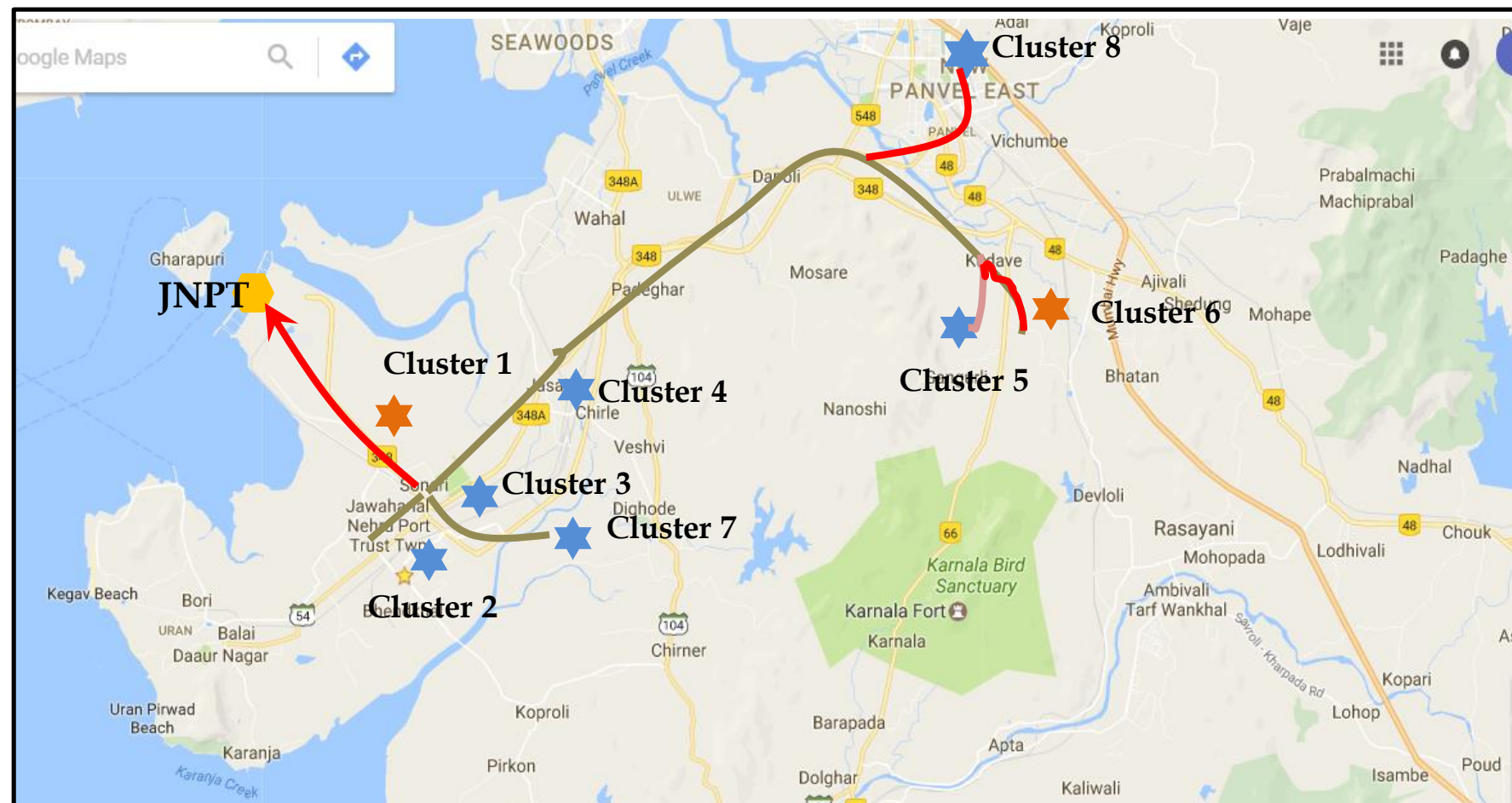
NSICT		
Port Dwell time based on transit type		
August'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	81.2 hrs	78.1 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	75.0 hrs	64.4 hrs

NSIGT		
Port Dwell time based on transit type		
August'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	65.6 hrs	60.0 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	65.7 hrs	54.1 hrs

BMCT		
Port Dwell time based on transit type		
August'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	69.7 hrs
Port Dwell time based on container type		
August'20	Laden Containers	Empty Containers
Dwell time (in hrs)	72.9 hrs	61.8 hrs

JNPT Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPT region in Export Cycle in month of August'20



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 6	Salva apta rd area, Bangalore highway


Clusters without bottleneckz

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area, JNPT road
CLUSTER 4	Chirle area, JNPT road
CLUSTER 5	Plaspa area, Coach kanyakumari Highway
CLUSTER 7	Patilpada area, Khopate JNPT road
CLUSTER 8	Taloja, Navi Mumbai

Legends


- High Congestion
- Medium Congestion
- Low Congestion
- Cluster with bottleneck
- Cluster without bottleneck

GTI Terminal



Congestion Level
Export Cycle :-

BMCT Terminal

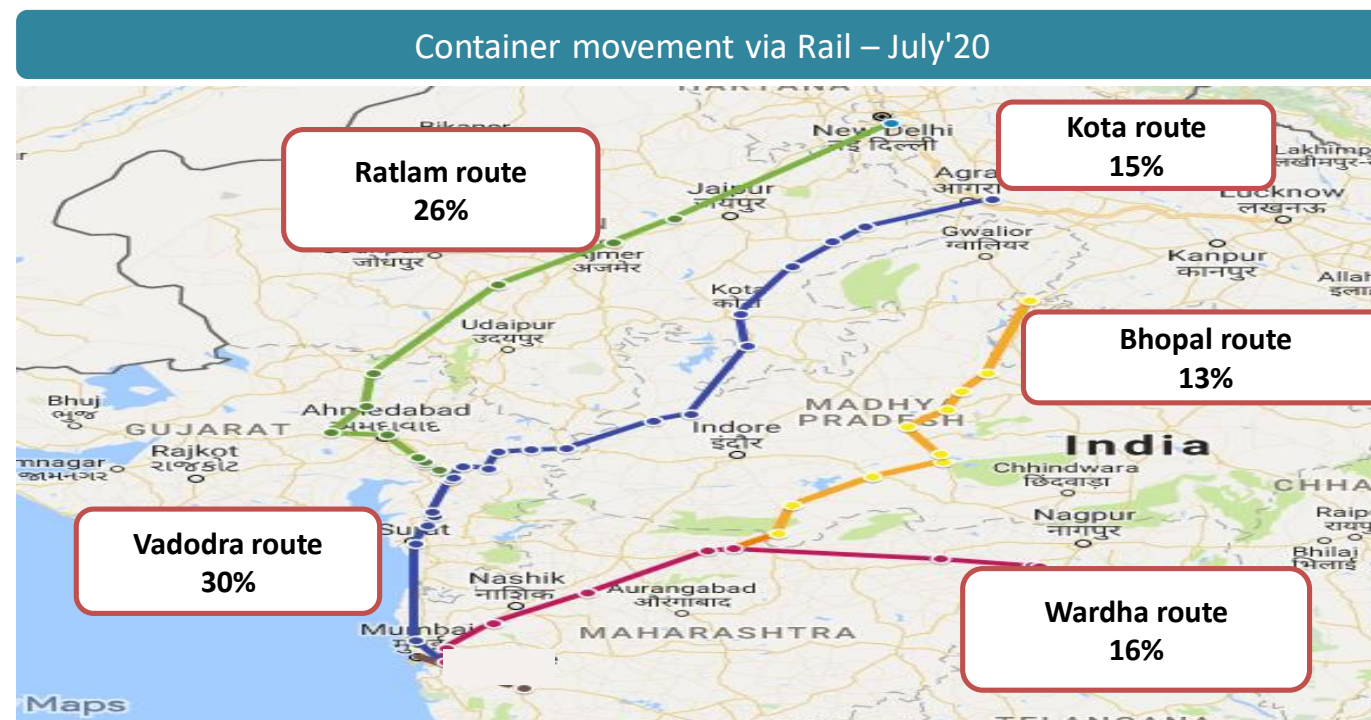


Congestion Level
Export Cycle :-

Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
2) Analysis consist of CFS covered under LDB project

JNPT Port	
Route	Percentage of Container Movement
Vadodra Route	30%
Ratlam Route	26%
Wardha Route	16%
Kota Route	15%
Bhopal Route	13%

The map shows the volume wise container movement through different railway routes in export cycle for August'20

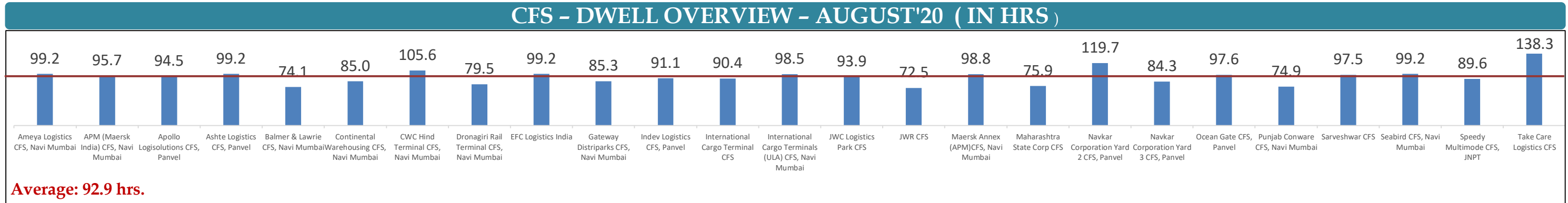


CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

Below table and graphs show the dwell time of the respective CFSs for the month of August'20

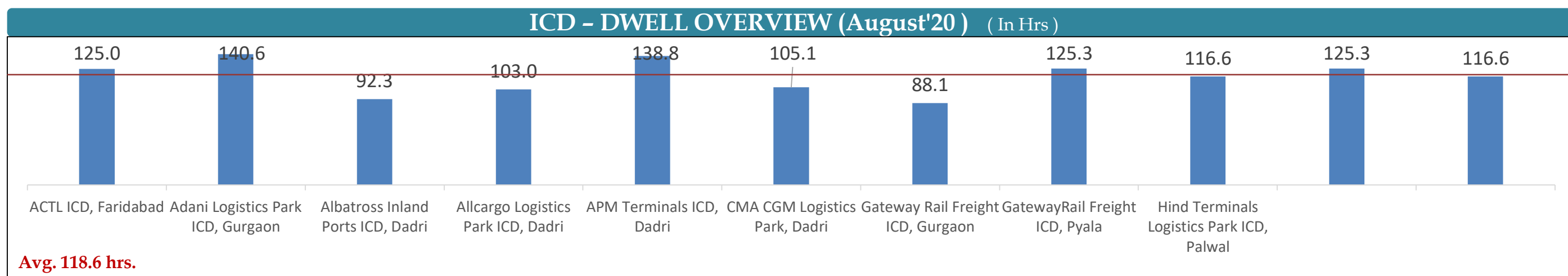
CFS Dwell Time (in hrs.)					
CFS	July'20	August'20	CFS	July'20	August'20
AllCargo Logistics	88.4	92.2	JWR CFS	65.0	72.5
Ameya Logistics CFS, Navi Mumbai	91.0	99.2	Maharashtra State Corp CFS	-	75.9
APM (Maersk India) CFS, Navi Mumbai	80.7	95.7	Maersk Annex (APM)CFS, Navi Mumbai	118.9	98.8
Apollo Logisolutions CFS, Panvel	107.3	94.5	Navkar Corporation Yard 2 CFS, Panvel	116.7	119.7
Ashte Logistics CFS, Panvel	-	99.2	Navkar Corporation Yard 3 CFS, Panvel	77.9	84.3
Balmer & Lawrie CFS, Navi Mumbai	76.8	74.1	Ocean Gate CFS, Panvel	107.9	97.6
Continental Warehousing CFS, Navi Mumbai	82.9	85.0	Punjab Conware CFS, Navi Mumbai	70.3	74.9
CWC Hind Terminal CFS, Navi Mumbai	82.2	105.6	Sarveshwar CFS	102.7	97.5
Dronagiri Rail Terminal CFS, Navi Mumbai	85.0	79.5	Seabird CFS, Navi Mumbai	99.4	99.2
EFC Logistics India	89.2	99.2	Speedy Multimode CFS, JNPT	95.7	89.6
Gateway Distriparks CFS, Navi Mumbai	90.1	85.3	Take Care Logistics CFS	132.0	138.3
Indev Logistics CFS, Panvel	-	91.1	TG Terminals CFS	85.7	85.2
International Cargo Terminal CFS	88.5	90.4	Vaishno Logistics CFS, Navi Mumbai	85.0	82.8
International Cargo Terminals (ULA) CFS, Navi Mumbai	97.6	98.5			
JWC Logistics Park CFS	91.4	93.9			



ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	July'20 (in hrs)	August'20 (in hrs)
ACTL ICD, Faridabad	137.3	125.0
Adani Logistics Park ICD, Gurgaon	153.1	140.6
Albatross Inland Ports ICD, Dadri	77.8	92.3
Allcargo Logistics Park ICD, Dadri	93.3	103.0
APM Terminals ICD, Dadri	112.3	138.8
CMA CGM Logistics Park, Dadri	83.9	105.1
Gateway Rail Freight ICD, Gurgaon	122.6	88.1
GatewayRail Freight ICD, Pyala	107.8	125.3
Hind Terminals Logistics Park ICD, Palwal	155.0	116.6

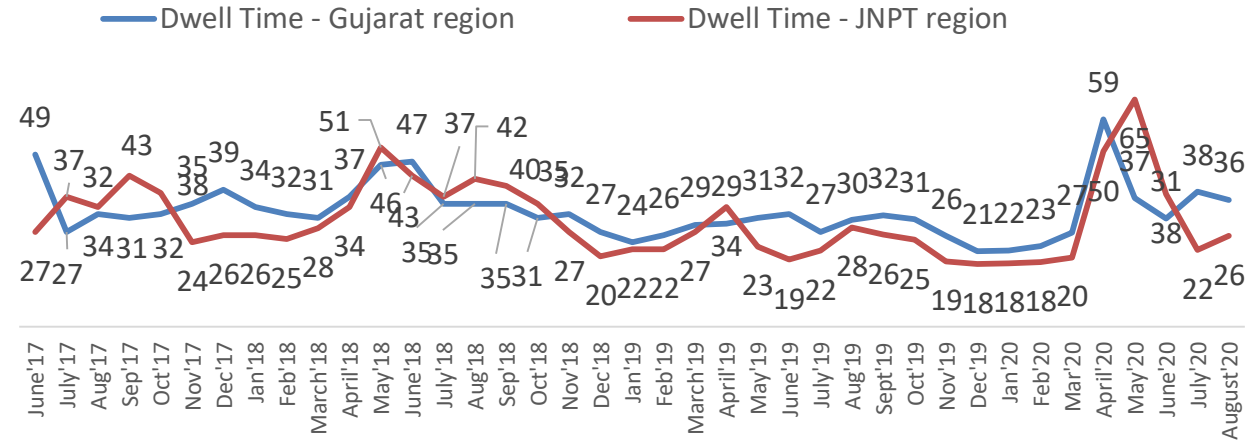


Trend Analysis

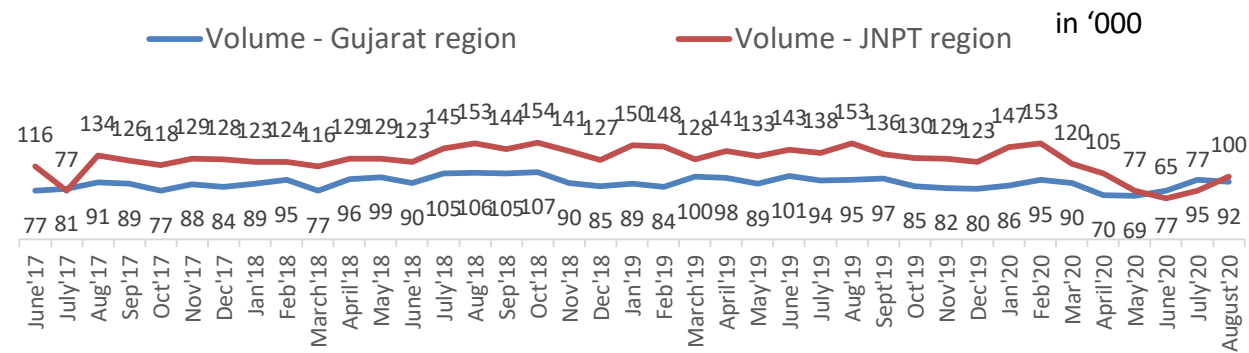
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until July'20

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



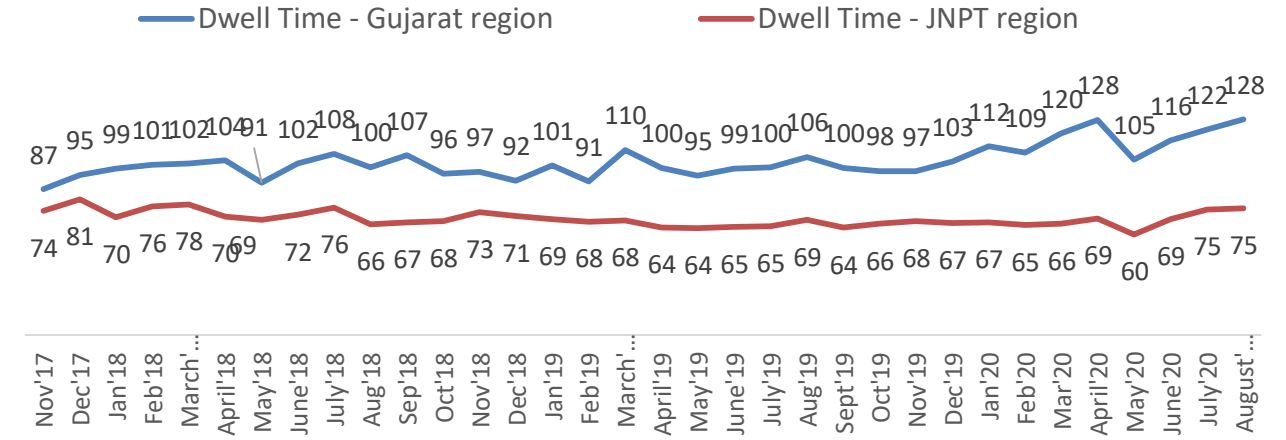
Volume – Gujarat Region Vs JNPT Region



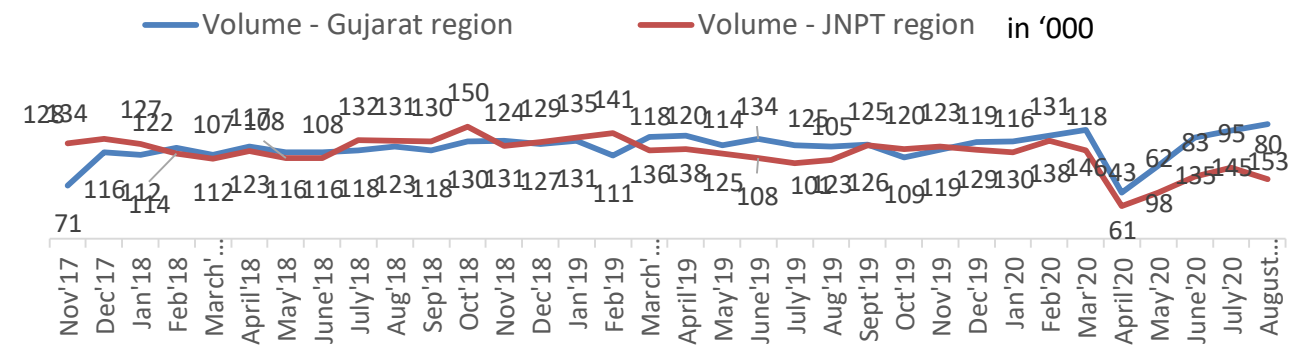
In Import cycle, for the month of August'20 JNPT port has catered 9% more volume than APSEZ Port, and has maintained 28% lower dwell time than APSEZ Port

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region



Volume – Gujarat Region Vs JNPT Region

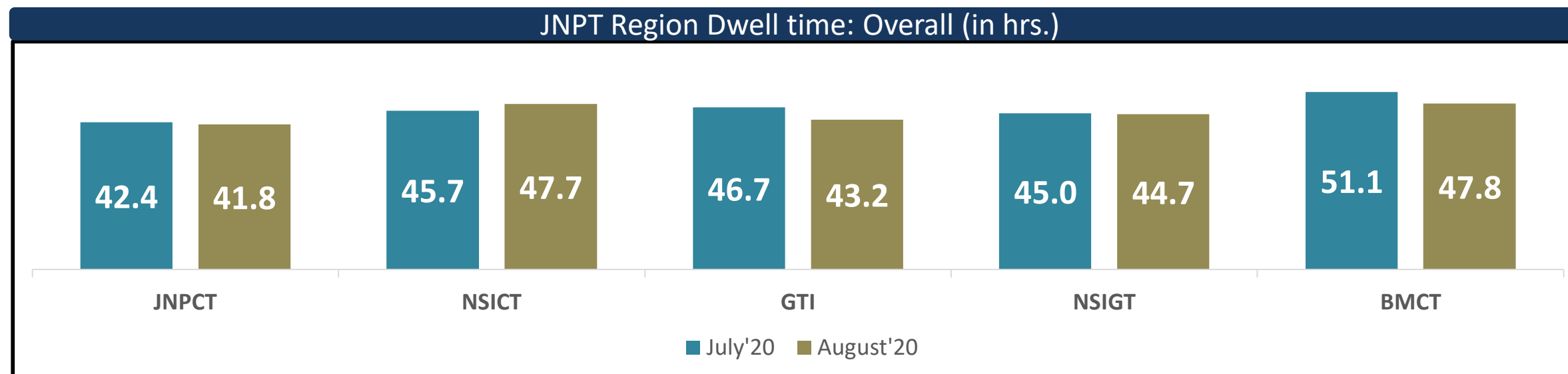


In Export cycle, for the month August'20 JNPT port catered 48% less volume than APSEZ Port, and has maintained 41% lower dwell time than APSEZ Port

JNPT PORT DWELL TIME TREND: Month on Month

JNPT port dwell time trend :

The below table shows the overall port dwell time (i.e. import and export cycle combined) trend (Month of Month) of all the JNPT Port terminals. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal



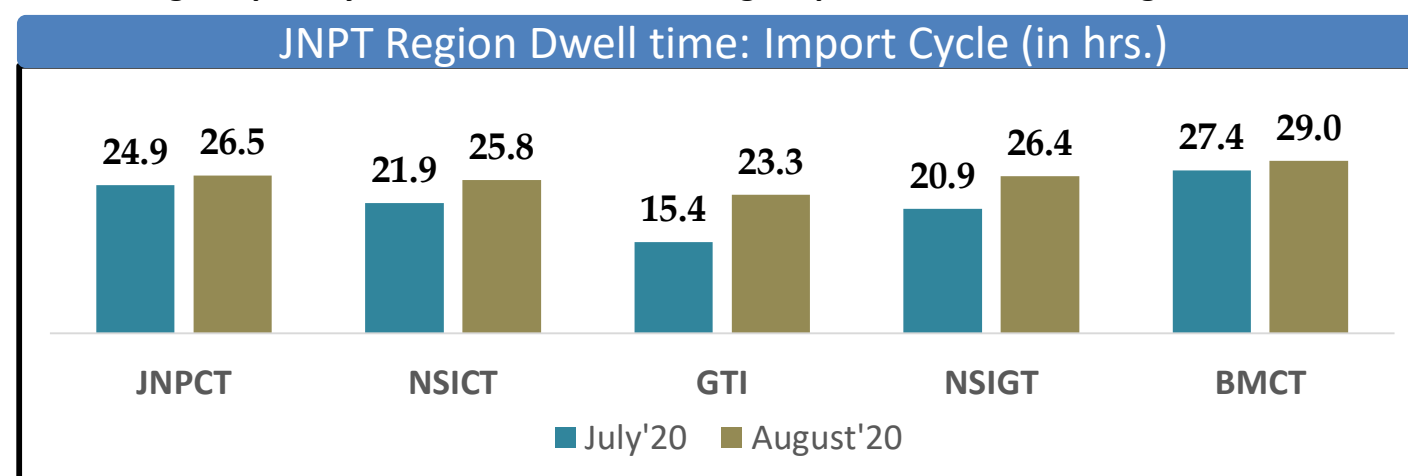
The overall JNPT region average dwell time for August'20 is **45.1 hrs** as compared to **46.6 hrs** in July'20

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of August'20



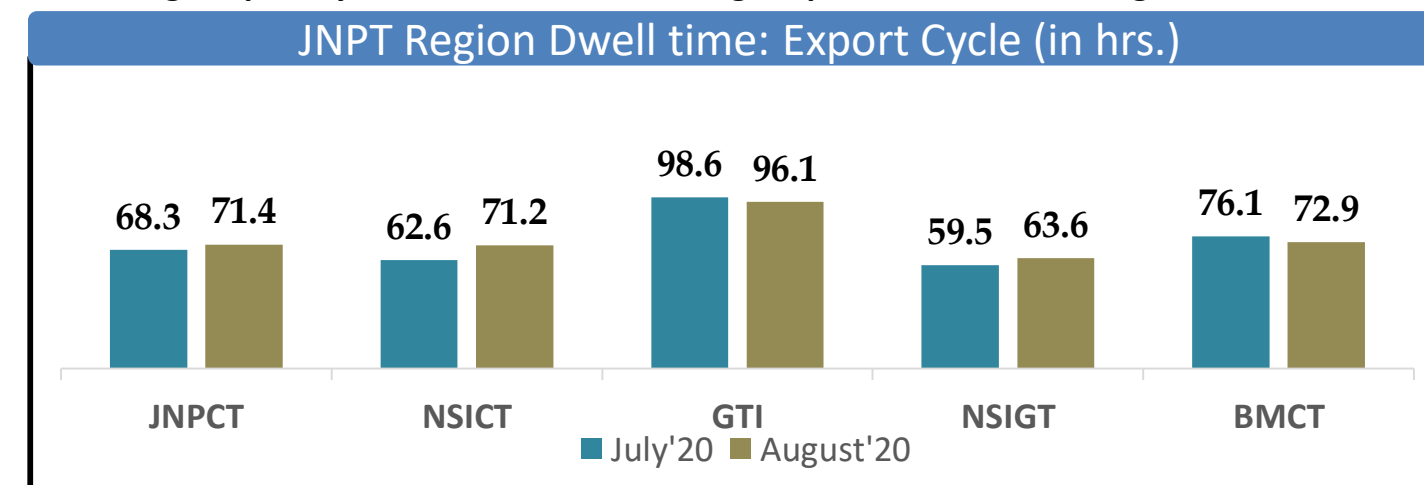
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for August'20 is **25.9 hrs.**



JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for August'20 is **75.4 hrs.**



ANNEXURE

Container movement around JNPT Port terminal region via Truck

HEAT MAP : GTI Port Terminal

Heat Map : August'20

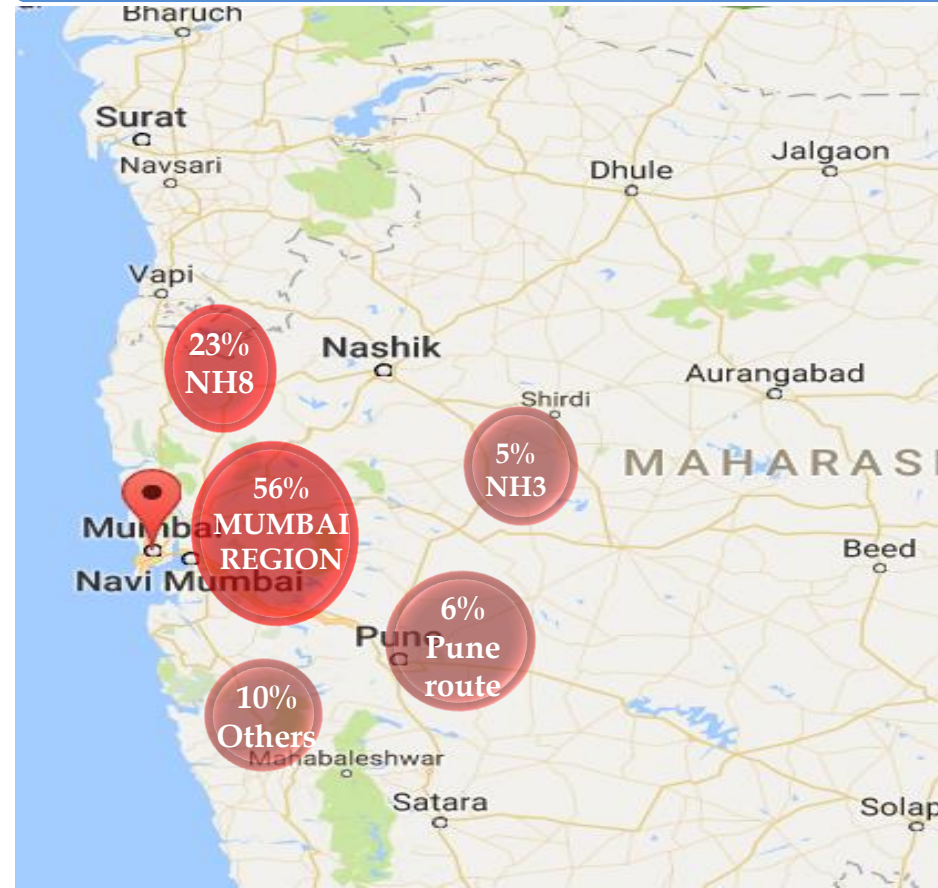


Region	July'20	August' 20
Mumbai region	36%	57%
NH3	10%	9%
Pune	16%	9%
NH8	28%	15%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

HEAT MAP : JNPCT Port Terminal

Heat Map : August'20

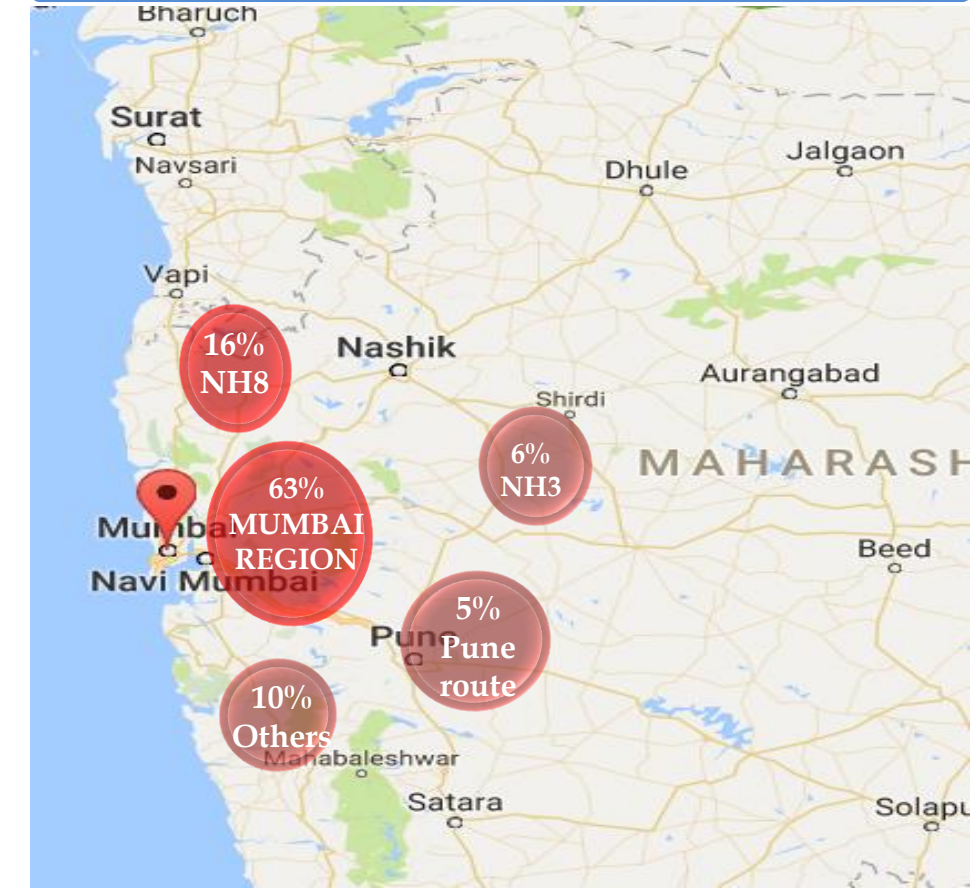


Region	July'20	August' 20
Mumbai region	56%	68%
NH3	5%	5%
Pune	6%	3%
NH8	23%	14%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

HEAT MAP : NSICT Port Terminal

Heat Map : August'20

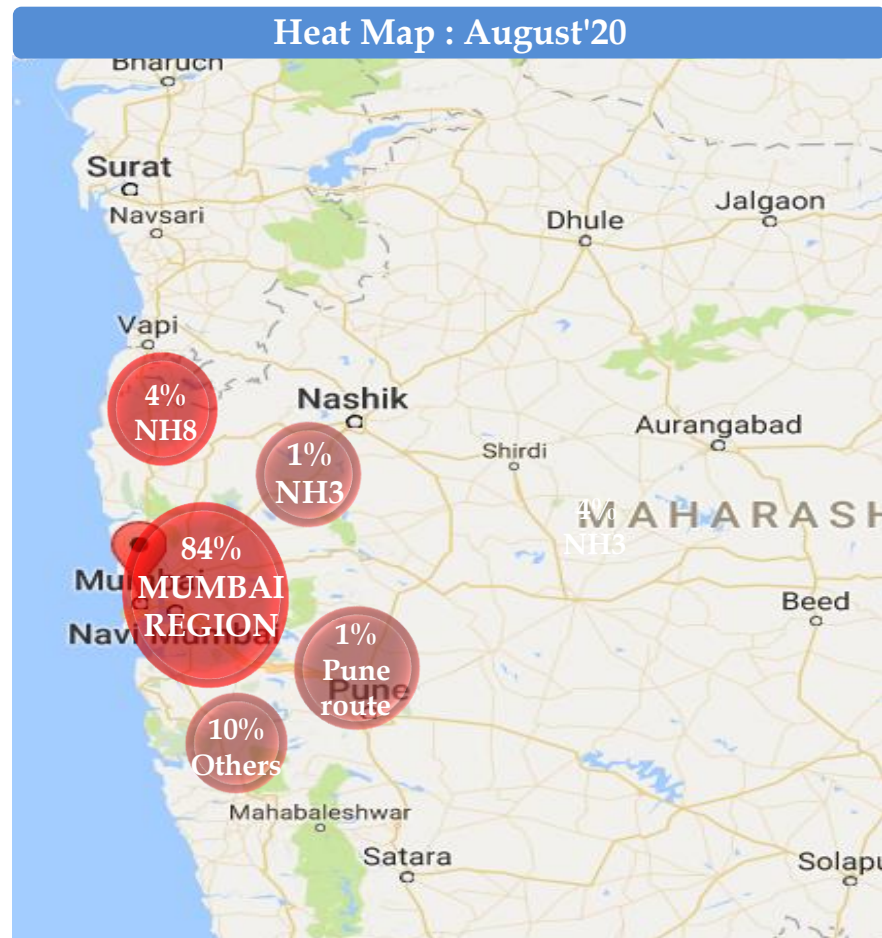


Region	July'20	August' 20
Mumbai region	63%	72%
NH3	6%	6%
Pune	5%	3%
NH8	16%	9%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

Container movement around JNPT Port terminal region via Truck

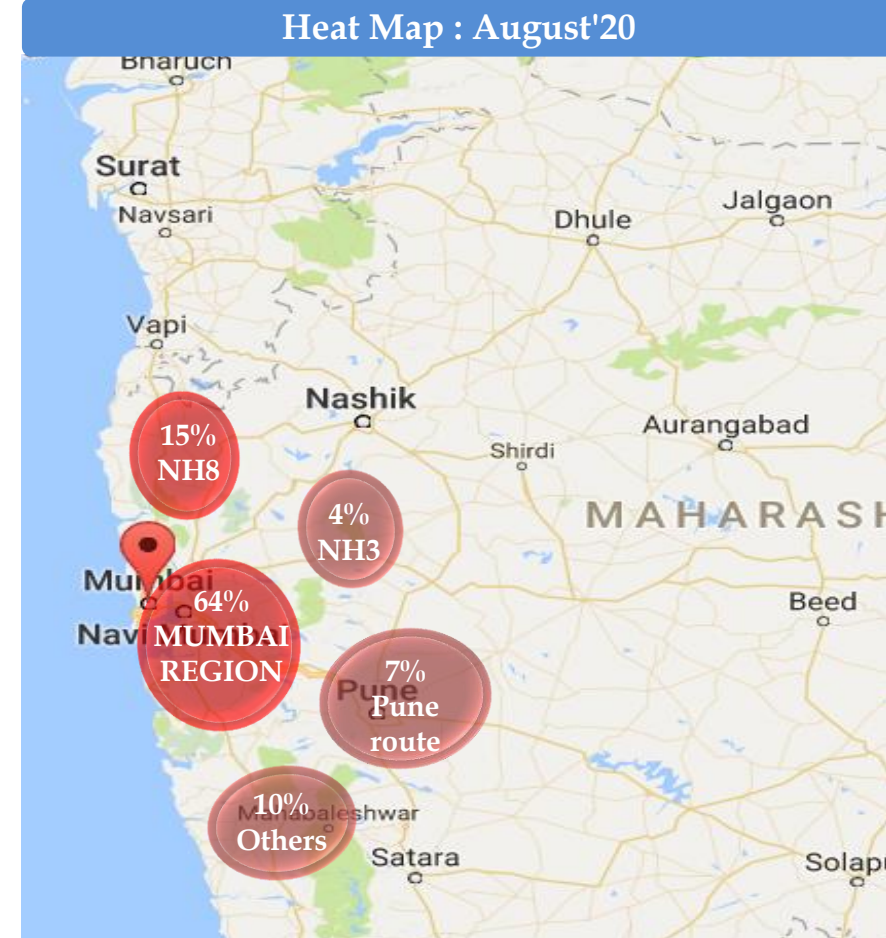
HEAT MAP : NSIGT Port Terminal



Region	July'20	August' 20
Mumbai region	84%	77%
NH3	1%	2%
Pune	1%	2%
NH8	4%	9%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

HEAT MAP : BMCT Port Terminal



Region	July'20	August' 20
Mumbai region	64%	74%
NH3	4%	4%
Pune	7%	4%
NH8	15%	9%
others	10%	10%

The heat map above depicts the movement of containers in and around the Mumbai region.

CFS - AVERAGE DELIVERY TIME – all CFS in Mumbai TO JNPT Port

Below table shows the delivery time in export cycle from the CFS's to PORT terminals

For August'20					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	3.5	4.6	1.9	1.7	4.1
Punjab Conware CFS, Navi Mumbai	1.7	3.1	1.9	1.0	3.8
JWC Logistics Park CFS	3.4	4.7	3.1	2.7	6.4
CWC Hind Terminal CFS, Navi Mumbai	2.2	3.8	1.6	0.9	2.6
Dronogiri Rail Terminal CFS, Navi Mumbai	2.9	2.7	1.7	0.9	3.7
Navkar Corporation Yard 2 CFS, Panvel	9.3	8.1	5.1	6.4	8.2
Vaishno Logistics CFS, Navi Mumbai	2.0	3.8	2.2	1.6	4.1
Speedy Multimode CFS, JNPT	1.4	2.3	1.8	0.7	2.1
Balmer & Lawrie CFS, Navi Mumbai	4.4	2.7	6.9		5.7
Navkar Corporation Yard 3 CFS, Panvel	17.2	12.2	5.3	3.6	8.0
Ashte Logistics CFS, Panvel	5.3	5.4	5.1	2.9	5.7
Continental Warehousing CFS, Navi Mumbai	2.0	1.9	1.3	0.8	2.8
SBW Logistics CFS, Navi Mumbai		11.9	5.5	13.2	10.6
Maharashtra State Corp CFS	1.9	3.6	2.9	1.4	3.9
Internation Cargo Terminal CFS	4.7	4.4	1.5	2.1	4.4
Seabird CFS, Navi Mumbai	5.3	3.8	1.3	1.4	2.8
Apollo Logisolutions CFS, Panvel	4.3	6.2	3.4	4.4	5.2
Ameya Logistics CFS, Navi Mumbai	4.3	3.8	2.3	2.4	3.9
Transindia Logistics Park, Navi Mumbai	2.7	3.8	1.6	1.6	3.5
Ocean Gate CFS, Panvel	3.8	5.1	2.7	2.7	4.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.8	4.4	1.6	1.5	3.2
Indev Logistics CFS, Panvel	3.7	4.5		3.2	3.1
CWC Dronagiri CFS, Navi Mumbai	1.2				
APM (Maersk India) CFS, Navi Mumbai	1.4	3.2	1.3	1.1	4.3

CFS DELIVERY TIME ANALYSIS

CFS - AVERAGE DELIVERY TIME - GTI TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from GTI to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- GTI TO ALL CFS IN MUMBAI

CFS	August'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.6
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.4
Indev Logistics CFS, Panvel	3.4
Navkar Corporation Yard 3 CFS, Panvel	3.5
Seabird CFS, Navi Mumbai	1.4
Balmer & Lawrie CFS, Navi Mumbai	1.8
Ashte Logistics CFS, Panvel	2.7
Continental Warehousing CFS, Navi Mumbai	0.9
CWC Hind Terminal CFS, Navi Mumbai	1.6
Dronogiri Rail Terminal CFS, Navi Mumbai	1.9
Navkar Corporation Yard 1 CFS, Panvel	4.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0
Maersk Annex (APM)CFS, Navi Mumbai	2.5
Speedy Multimode CFS, JNPT	0.5
Apollo Logisolutions CFS, Panvel	3.4
Navkar Corporation Yard 2 CFS, Panvel	3.7
Punjab Conware CFS, Navi Mumbai	1.9
Vaishno Logistics CFS, Navi Mumbai	1.2
JWC Logistics Park CFS	3.3
SBW Logistics CFS, Navi Mumbai	4.0
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	1.8

CFS - AVERAGE DELIVERY TIME - JNPCT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from JNPCT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- JNPCT TO ALL CFS IN MUMBAI

CFS	August'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	1.6
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.0
Transindia Logistics Park, Navi Mumbai	2.2
Indev Logistics CFS, Panvel	2.9
Navkar Corporation Yard 3 CFS, Panvel	3.4
Seabird CFS, Navi Mumbai	1.1
Balmer & Lawrie CFS, Navi Mumbai	1.8
Ashte Logistics CFS, Panvel	2.5
Continental Warehousing CFS, Navi Mumbai	1.1
CWC Hind Terminal CFS, Navi Mumbai	1.3
Dronogiri Rail Terminal CFS, Navi Mumbai	1.3
Navkar Corporation Yard 1 CFS, Panvel	5.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.5
Maersk Annex (APM)CFS, Navi Mumbai	2.4
Speedy Multimode CFS, JNPT	0.6
Apollo Logisolutions CFS, Panvel	3.9
Navkar Corporation Yard 2 CFS, Panvel	3.7
Punjab Conware CFS, Navi Mumbai	1.9
Vaishno Logistics CFS, Navi Mumbai	2.3
JWC Logistics Park CFS	2.9
SBW Logistics CFS, Navi Mumbai	2.5
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	1.2

CFS - AVERAGE DELIVERY TIME - NSICT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from NSICT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- NSICT TO ALL CFS IN MUMBAI

CFS	August'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.9
APM (Maersk India) CFS, Navi Mumbai	2.1
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.4
Transindia Logistics Park, Navi Mumbai	2.7
Indev Logistics CFS, Panvel	2.5
Navkar Corporation Yard 3 CFS, Panvel	5.4
Seabird CFS, Navi Mumbai	1.1
Balmer & Lawrie CFS, Navi Mumbai	1.6
Ashte Logistics CFS, Panvel	2.5
Continental Warehousing CFS, Navi Mumbai	0.9
CWC Hind Terminal CFS, Navi Mumbai	1.4
Dronogiri Rail Terminal CFS, Navi Mumbai	4.9
Navkar Corporation Yard 1 CFS, Panvel	3.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	2.6
Speedy Multimode CFS, JNPT	0.6
Apollo Logisolutions CFS, Panvel	11.1
Navkar Corporation Yard 2 CFS, Panvel	5.3
Punjab Conware CFS, Navi Mumbai	4.4
Vaishno Logistics CFS, Navi Mumbai	1.7
JWC Logistics Park CFS	3.4
SBW Logistics CFS, Navi Mumbai	3.7
Ocean Gate CFS, Panvel	2.5
Maharashtra State Corp CFS	

CFS - AVERAGE DELIVERY TIME - NSIGT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from NSIGT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- NSIGT TO ALL CFS IN MUMBAI

CFS	August'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	4.0
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	2.1
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	2.6
Indev Logistics CFS, Panvel	4.1
Navkar Corporation Yard 3 CFS, Panvel	3.6
Seabird CFS, Navi Mumbai	1.2
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	0.9
CWC Hind Terminal CFS, Navi Mumbai	1.5
Dronogiri Rail Terminal CFS, Navi Mumbai	7.1
Navkar Corporation Yard 1 CFS, Panvel	5.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.5
Maersk Annex (APM)CFS, Navi Mumbai	2.3
Speedy Multimode CFS, JNPT	0.9
Apollo Logisolutions CFS, Panvel	12.6
Navkar Corporation Yard 2 CFS, Panvel	3.3
Punjab Conware CFS, Navi Mumbai	2.4
Vaishno Logistics CFS, Navi Mumbai	3.9
JWC Logistics Park CFS	2.9
SBW Logistics CFS, Navi Mumbai	2.2
Ocean Gate CFS, Panvel	4.8
Maharashtra State Corp CFS	0.7

CFS - AVERAGE DELIVERY TIME - BMCT TO ALL CFS's IN MUMBAI

Below table shows the average delivery time in import cycle from BMCT to all the CFS's

AVERAGE DELIVERY TIME (In Hrs)- BMCT TO ALL CFS IN MUMBAI

CFS	August'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	3.0
Internation Cargo Terminal CFS	1.1
Ameya Logistics CFS, Navi Mumbai	1.4
Transindia Logistics Park, Navi Mumbai	2.5
Indev Logistics CFS, Panvel	0.8
Navkar Corporation Yard 3 CFS, Panvel	1.5
Seabird CFS, Navi Mumbai	1.8
Balmer & Lawrie CFS, Navi Mumbai	4.3
Ashte Logistics CFS, Panvel	1.7
Continental Warehousing CFS, Navi Mumbai	2.3
CWC Hind Terminal CFS, Navi Mumbai	0.6
Dronogiri Rail Terminal CFS, Navi Mumbai	3.6
Navkar Corporation Yard 1 CFS, Panvel	3.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9
Maersk Annex (APM)CFS, Navi Mumbai	2.5
Speedy Multimode CFS, JNPT	3.3
Apollo Logisolutions CFS, Panvel	3.1
Navkar Corporation Yard 2 CFS, Panvel	3.3
Punjab Conware CFS, Navi Mumbai	3.8
Vaishno Logistics CFS, Navi Mumbai	3.1
JWC Logistics Park CFS	3.0
SBW Logistics CFS, Navi Mumbai	1.1
Ocean Gate CFS, Panvel	1.4
Maharashtra State Corp CFS	2.5

Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for GTI and JNPCT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of August'20				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	0.5	2.3
Cluster 2	6	13	1.9	4.1
Cluster 3	6	11	1.8	3.3
Cluster 4	1	13	1.2	3.8
Cluster 5	2	25	3.3	4.9
Cluster 6	6	25	3.5	6.2
Cluster 7	4	12	2.1	3.8
Cluster 8	1	34	4.0	11.9

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of August'20				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	0.6	1.4
Cluster 2	6	13	1.8	3.1
Cluster 3	6	11	1.2	2.4
Cluster 4	1	13	2.3	2.0
Cluster 5	2	25	3.1	3.6
Cluster 6	6	25	3.5	5.3
Cluster 7	4	12	2.0	2.7
Cluster 8	1	34	2.5	0.0

Export container usually aren't allowed in the port before the arrival of their respective vessel so this unplanned transportation of the export containers from the CFS's to Port can cause **bottlenecks**

Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for NSICT, NSIGT and BMCT terminal

CFS Cluster : NSICT Terminal

GTI terminal for month of August'20				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	0.6	1.8
Cluster 2	6	13	1.9	1.6
Cluster 3	6	11	2.7	1.8
Cluster 4	1	13	1.7	0.0
Cluster 5	2	25	3.0	2.9
Cluster 6	6	25	4.3	5.1
Cluster 7	4	12	2.4	1.6
Cluster 8	1	34	3.7	5.5

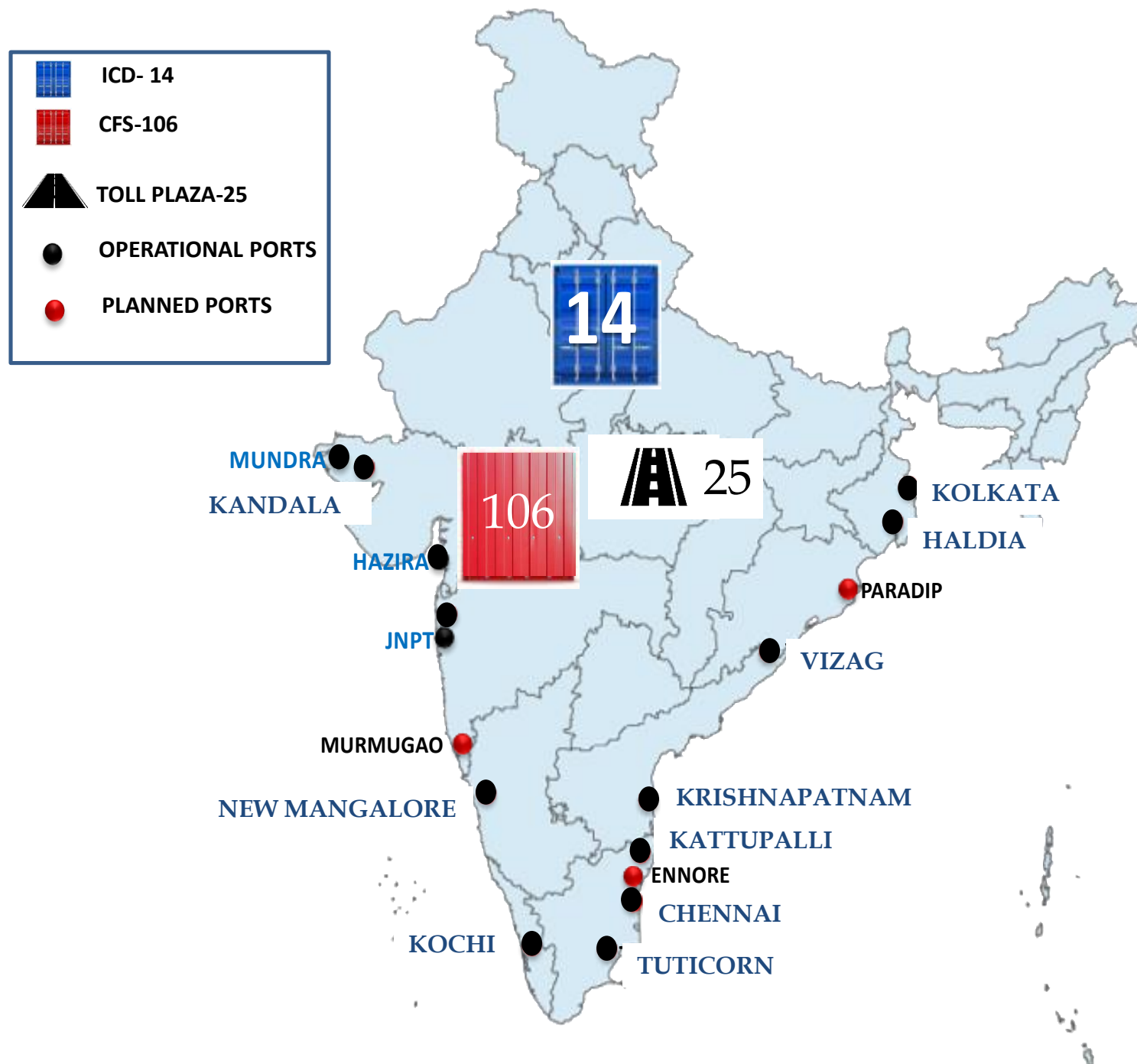
CFS Cluster : NSIGT Terminal

JNPCT terminal for month of August'20				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	0.9	0.7
Cluster 2	6	13	1.9	1.3
Cluster 3	6	11	2.0	1.2
Cluster 4	1	13	3.9	1.6
Cluster 5	2	25	3.8	2.7
Cluster 6	6	25	3.9	3.6
Cluster 7	4	12	1.9	1.6
Cluster 8	1	34	2.2	13.2

CFS Cluster : BMCT Terminal

JNPCT terminal for month of August'20				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	0.6	2.1
Cluster 2	6	13	1.8	4.2
Cluster 3	6	11	2.0	3.8
Cluster 4	1	13	2.5	4.1
Cluster 5	2	25	3.3	5.4
Cluster 6	6	25	3.0	5.7
Cluster 7	4	12	2.1	3.5
Cluster 8	1	34	3.1	10.6

Export container usually aren't allowed in the port before the arrival of their respective vessel so this unplanned transportation of the export containers from the CFS's to Port can cause **bottlenecks**



Below mentioned are all the CFS in the respective Clusters :

Cluster 1

(JNPT Area)

- Speedy Multimode CFS, JNPT

Cluster 2

(Bhendkhal area, Khopate road)

- APM (Maersk India) CFS, Navi Mumbai
- Maersk Annex (APM) CFS, Navi Mumbai
- Balmer & Lawrie CFS, Navi Mumbai
- CWC Hind Terminal CFS, Navi Mumbai
- International Cargo Terminals (ULA) CFS, Navi Mumbai & Infrastructure Private Limited
- Gateway Distriparks CFS, Navi Mumbai
- International Cargo Terminal CFS

Cluster 3

Sonari area, JNPT road

- Punjab Conware CFS, Navi Mumbai
- Dronogiri Rail Terminal CFS, Navi Mumbai
- CWC Impex Park CFS, Navi Mumbai
- CWC Dronagiri CFS, Navi Mumbai
- Maharashtra State Corp CFS
- Seabird CFS, Navi Mumbai

Cluster 4

(Chirle area, JNPT road)

- Vaishno Logistics CFS, Navi Mumbai

Cluster 5

(Plaspa area, Coachi kanyakumari Highway)

- JWC Logistics Park CFS
- Ocean Gate CFS, Panvel

Cluster 8

SBW

Cluster 6

(Salva apta rd area, Bangalore highway)

- Ashte Logistics CFS, Panvel
- Apollo Logisolutions CFS, Panvel
- Indev Logistics CFS, Panvel
- Navkar Corporation Yrd 1 CFS, Panvel
- Navkar Corporation Yard 2 CFS, Panvel
- Navkar Corporation Yard 3 CFS, Panvel

Cluster 7

(Patilpada area, Khopate JNPT road)

- All Cargo Logistics CFS, Navi Mumbai
- Transindia Logistics Park, Navi Mumbai
- Ameya Logistics CFS, Navi Mumbai
- Continental Warehousing CFS, Navi Mumbai

List of CFS name used in CFS Performance Index

1	AllCargo Logistics	14	JWR CFS
2	Ameya Logistics CFS, Navi Mumbai	15	Maersk Annex (APM)CFS, Navi Mumbai
3	APM (Maersk India) CFS, Navi Mumbai	16	Navkar Corporation Yard 2 CFS, Panvel
4	Apollo Logisolutions CFS, Panvel	17	Navkar Corporation Yard 3 CFS, Panvel
5	Balmer & Lawrie CFS, Navi Mumbai	18	Ocean Gate CFS, Panvel
6	Continental Warehousing CFS, Navi Mumbai	19	Punjab Conware CFS, Navi Mumbai
7	CWC Hind Terminal CFS, Navi Mumbai	20	Sarveshwar CFS
8	Dronagiri Rail Terminal CFS, Navi Mumbai	21	Seabird CFS, Navi Mumbai
9	EFC Logistics India	22	Speedy Multimode CFS, JNPT
10	Gateway Distriparks CFS, Navi Mumbai	23	Take Care Logistics CFS
11	International Cargo Terminal CFS	24	TG Terminals CFS
12	International Cargo Terminals (ULA) CFS, Navi Mumbai	25	Vaishno Logistics CFS, Navi Mumbai
13	JWC Logistics Park CFS		



THANK YOU