

Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Oct'20 (in hrs)	Nov'20 (in hrs)	Port	Oct'20 (in hrs)	Nov'20 (in hrs)
JNPCT	23.0	25.0	JNPCT	81.6	84.5
NSICT	18.6	20.5	NSICT	56.0	53.4
GTI	14.8	16.2	GTI	78.2	69.0
NSIGT	19.9	18.2	NSIGT	87.6	83.4
BMCT/PSA	20.7	22.2	BMCT/PSA	80.5	74.6

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- Container handling performance in Export cycle has improved but has deteriorated in Import cycle.
- Container handling performance at CFS & ICD has deteriorated as compared to last month

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
November'20	21.2 hrs	75.3 hrs	89.0 hrs	123.6 hrs
October'20	19.0 hrs	77.5 hrs	84.7 hrs	113.2 hrs

Port Dwell Time

IMPORT

Mode	Oct'20 (in hrs)	Nov'20 (in hrs)
Overall	22.0	23.5
Truck	20.5	22.1
Train	49.3	45.7

EXPORT

Mode	Oct'20 (in hrs)	Nov'20 (in hrs)
Overall	106	104.7
Truck	103.2	103.1
Train	121.2	112.6

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Oct'20 (in hrs)	Nov'20 (in hrs)
CFS	88.9	89.2
ICD	113.2	123.6

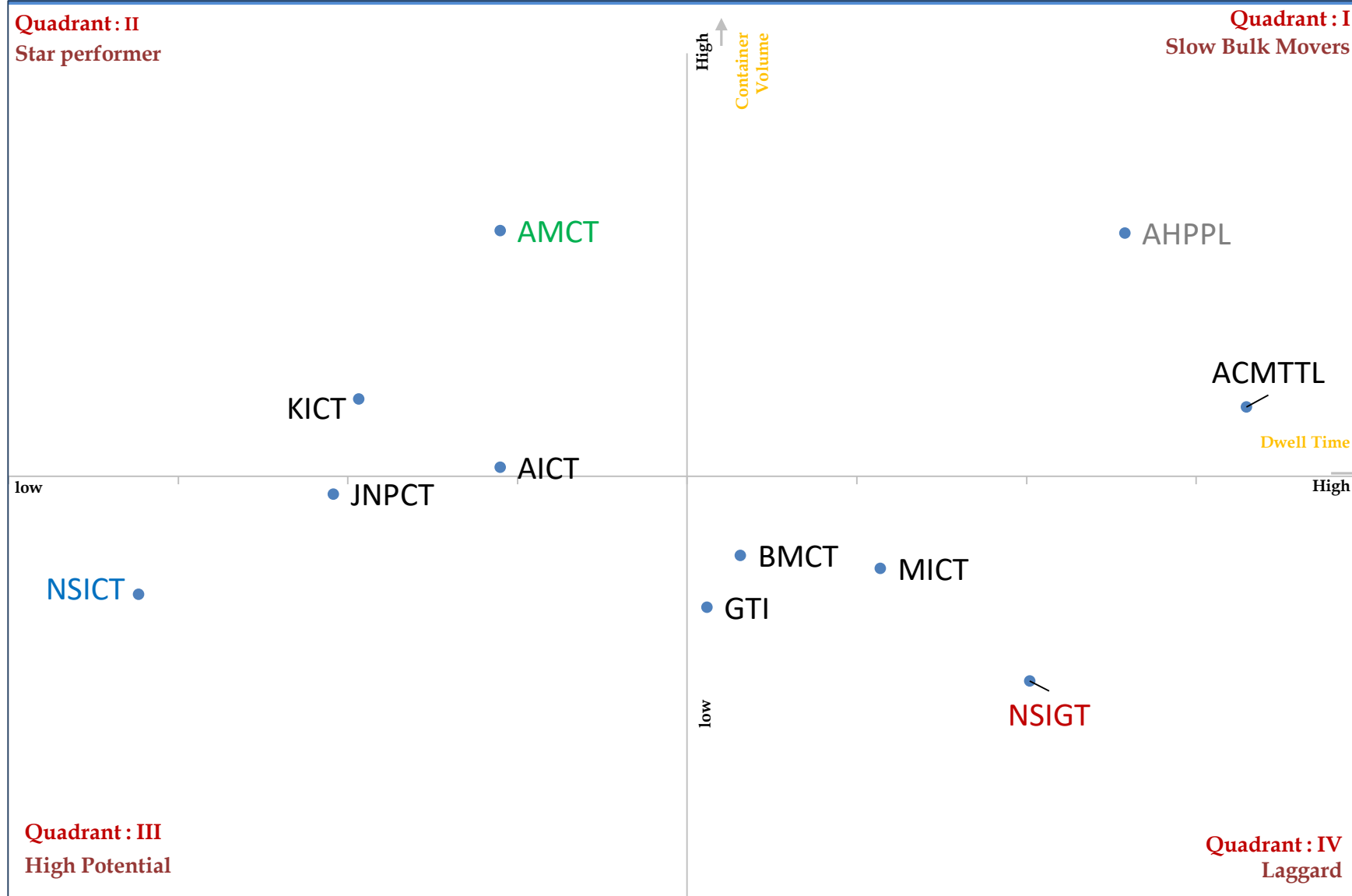
- The marked entries showcase increase in performance in comparison to Oct'20
- The marked entries showcase decrease in performance in comparison to Oct'20



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Nov'2020



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

Top Performing Terminal

Adani Mundra Container Terminal (AMCT)

Oct'20	Nov'20
67.85 Hrs	57.0 Hrs. ↑

Low Performing Terminal

Nhava Sheva India Gateway Terminal (NSIGT)

Oct'20	Nov'20
53.57 Hrs	47.73 Hrs ↑

Note: The performance benchmarking is based on performance index



The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Oct'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 Lifecycle (Import Cycle)

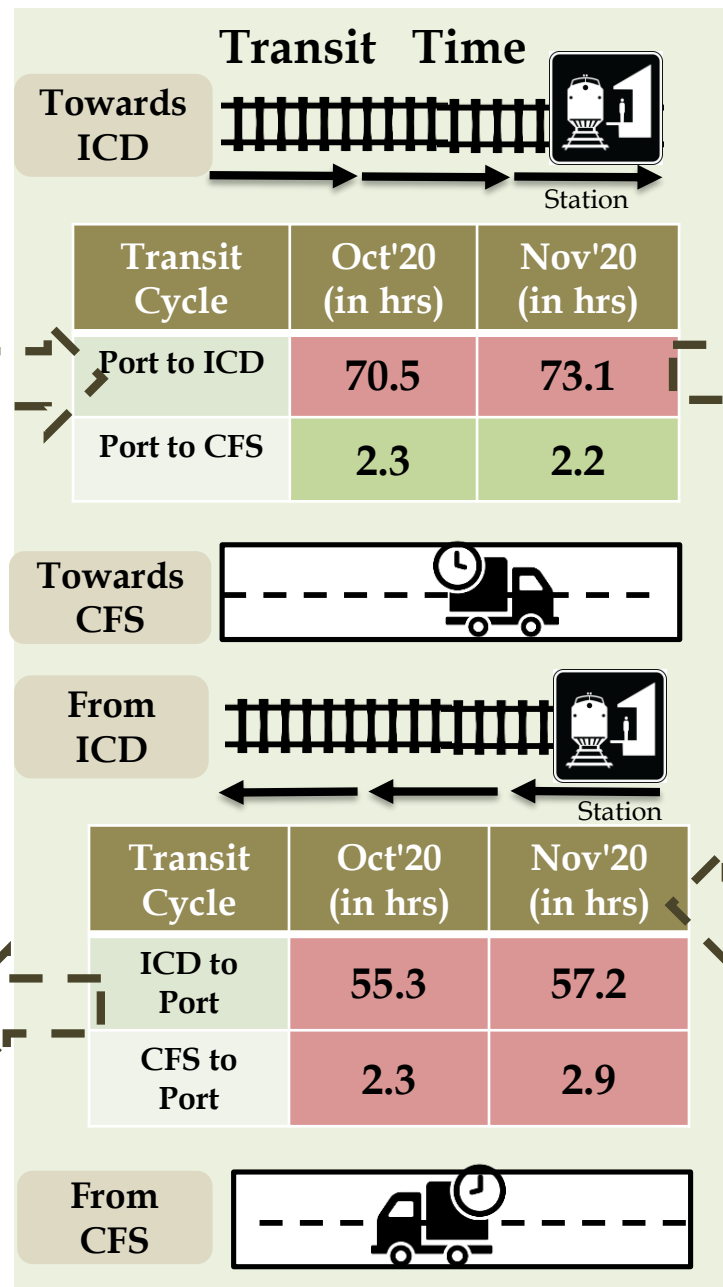
IMPORT

Port Dwell Time

Mode	Oct'20 (in hrs)	Nov'20 (in hrs)
Overall	19.0	21.2
Truck	16.6	19.8
Train	39.4	32.4

EXPORT

Mode	Oct'20 (in hrs)	Nov'20 (in hrs)
Overall	77.5	75.3
Truck	77.3	77.0
Train	78.5	52.5



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

Entity	Oct'20 (in hrs)	Nov'20 (in hrs)
CFS	84.7	89.0
ICD	113.2	123.6

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	83%	17%
Export	80%	20%

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

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

Container Lifecycle (Export Cycle)

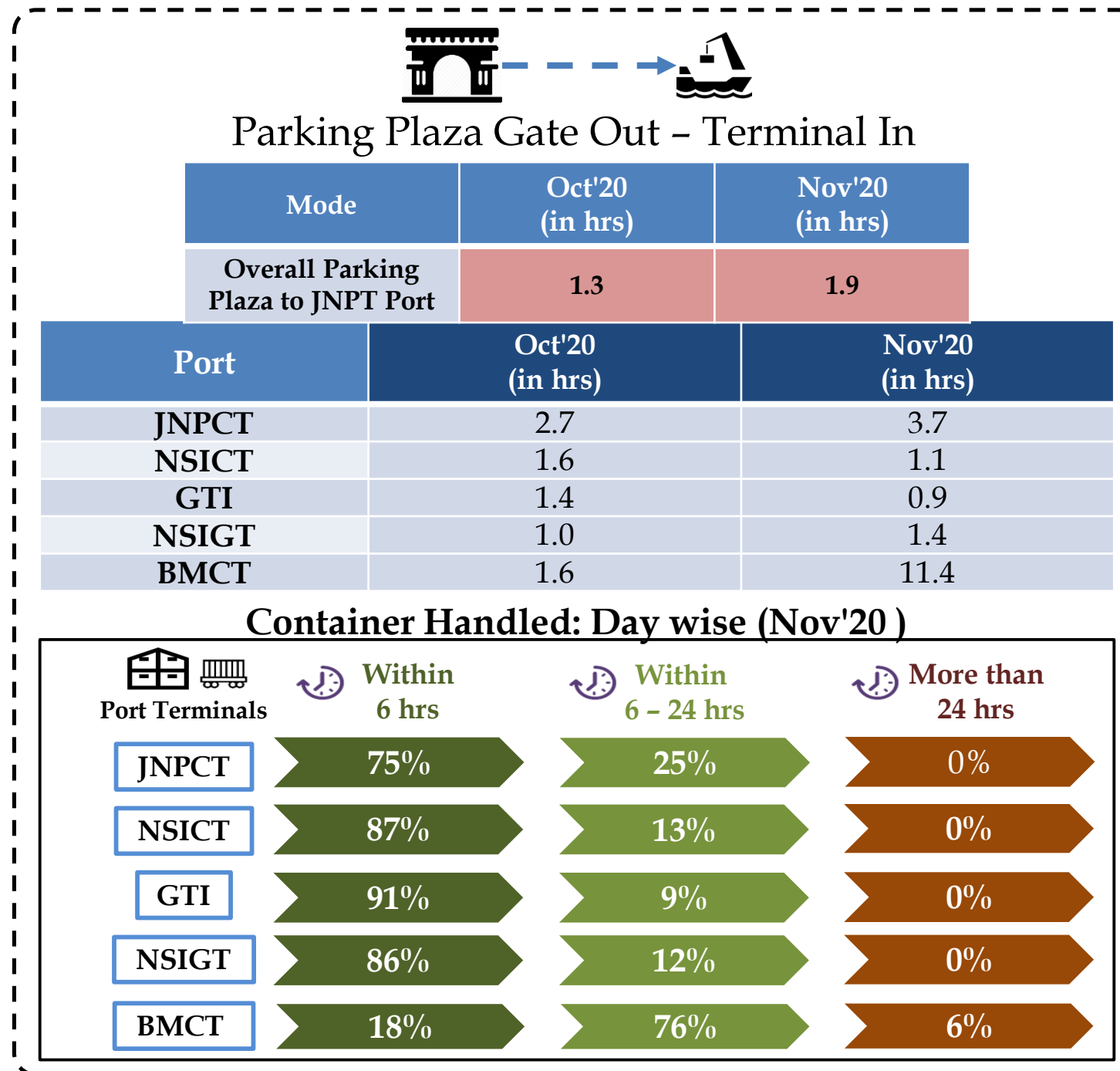
Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Nov'20 - in hrs)			Compared to Oct'20
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	21.2	12% ↓
	Port Dwell Time for Truck Bound Containers	19.77	19% ↓
	Port Dwell time for Train Bound Containers	32.35	18% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	39.25	25% ↓
	Port Dwell time Containers bound for CFS	19	25% ↓
	Port Dwell for Empty Containers	23.23	12% ↓
	Port Dwell for Laden Containers	20.85	12% ↓
TRANSIT TIME	Port to ICD	73.06	4% ↓
	Port to CFS	2.2	4% ↑

EXPORT CYCLE DWELL TIME (Nov'20- in hrs)			Compared to Oct'20
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	75.3	3% ↑
	Port Dwell Time for Truck Bound Containers	76.95	1% ↑
	Port Dwell time for Train Bound Containers	52.53	33% ↑
	Port Dwell time Direct Port Entry (DPE) containers	81.21	0% ↓
	Port Dwell time Containers bound from CFS	74.53	2% ↑
	Port Dwell for Empty Containers	77.23	6% ↓
	Port Dwell for Laden Containers	76.75	2% ↑
TRANSIT TIME	ICD to Port	57.2	3% ↓
	CFS to Port	2.9	26% ↓

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





Performance Benchmarking



Top Performing CFS	
AllCargo Logistics	
Oct'20	Nov'20
81.7 hrs	88.6 hrs

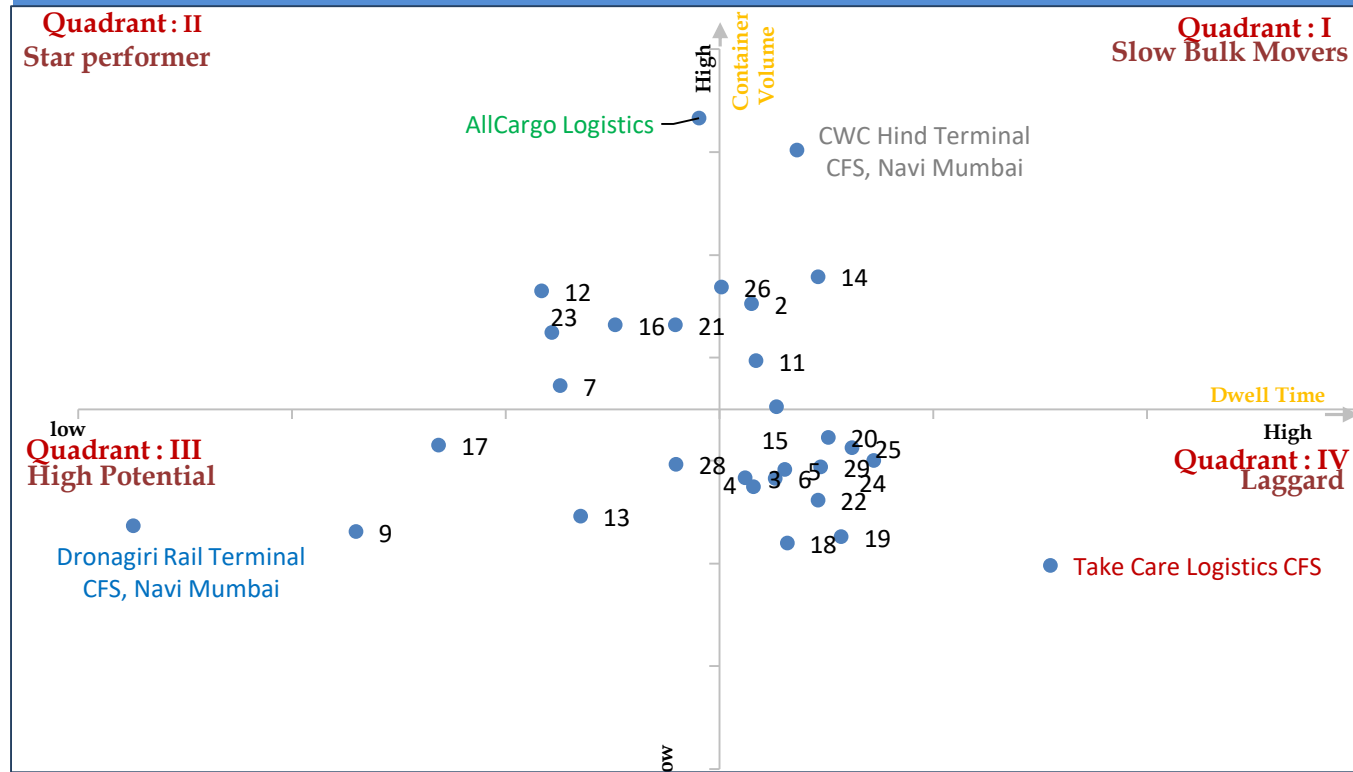
Low Performing CFS	
Take Care Logistics CFS	
Oct'20	Nov'20
100.8 hrs.	114.4 hrs.

Note: The performance benchmarking is based on performance index
 The arrows depict increase/decrease in overall performance of the stakeholders as compared to Oct'20

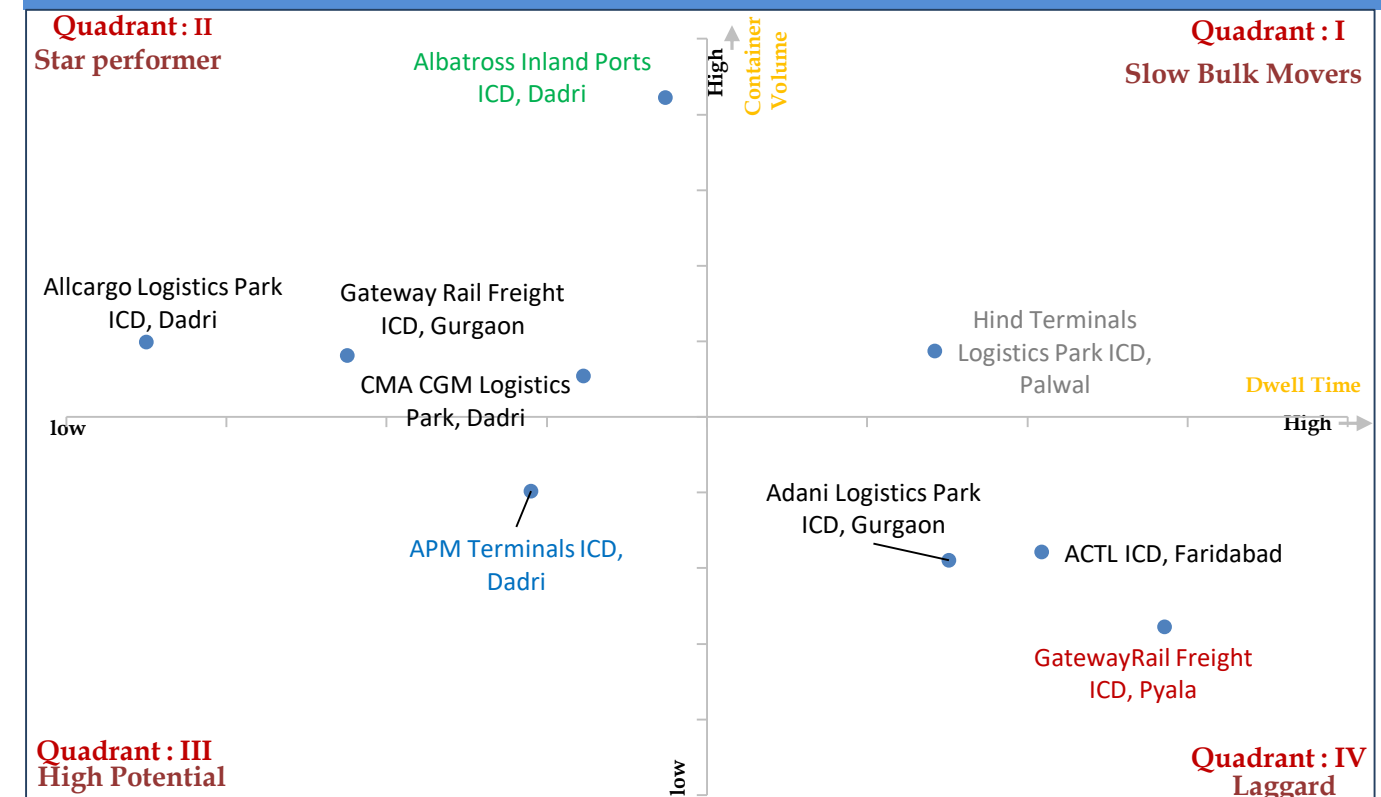
Top Performing ICD	
Albatross Inland Ports ICD, Dadri	
Oct'20	Nov'20
92.4 hrs	122.9 hrs

Low Performing ICD	
GatewayRail Freight ICD, Pyala	
Oct'20	Nov'20
105.7 hrs	148.5 hrs

Performance Index: Western Corridor CFS



Performance Index: ICD



Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

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

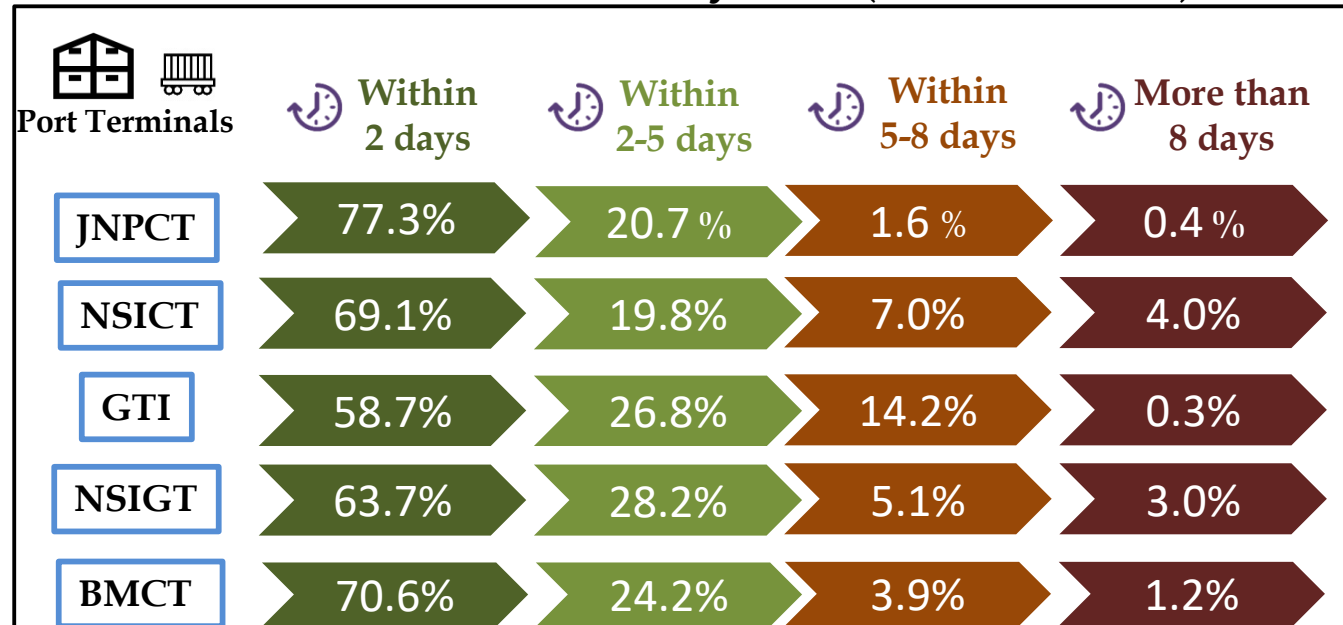
PORT IMPORT via TRAIN

(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	October'20 (in hrs)	November'20 (in hrs)
JNPCT	32.1	24.7
NSICT	40.7	30.1
GTI	29.9	38.5
NSIGT	59.1	37.7
BMCT	41.4	31.5

Container Handled: Day wise (November'20)



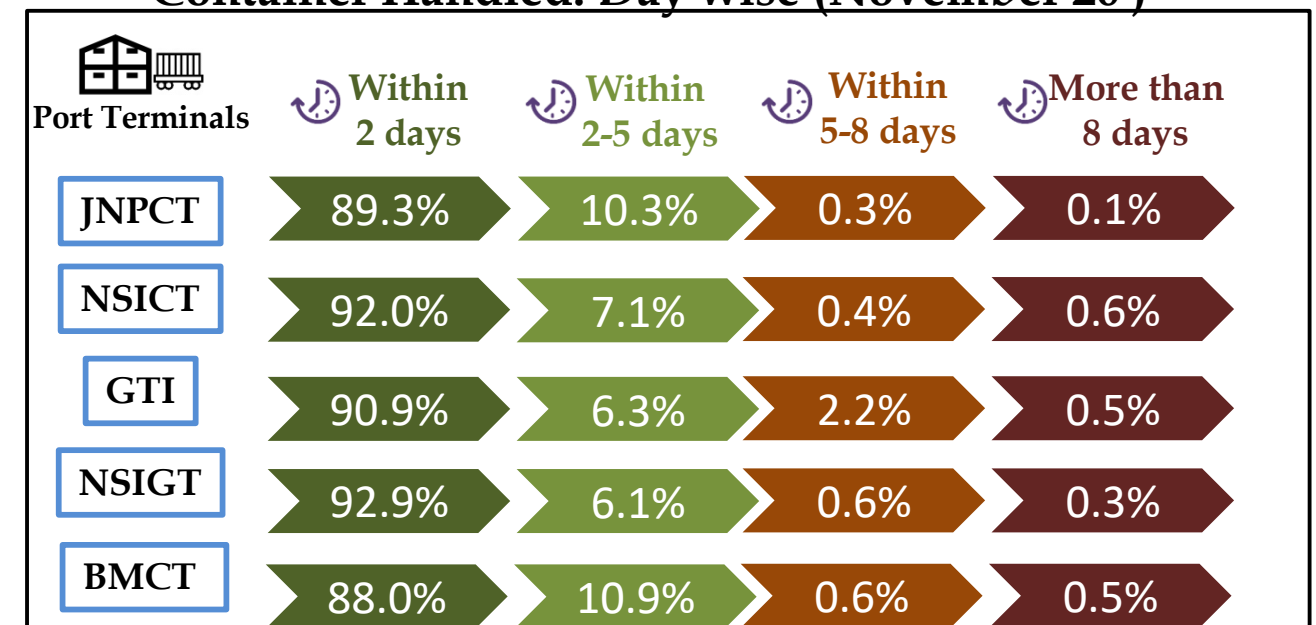
PORT IMPORT via TRUCK

(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	October'20 (in hrs)	November'20 (in hrs)
JNPCT	22.3	25.0
NSICT	16.3	19.1
GTI	12.8	14.8
NSIGT	14.5	15.8
BMCT	18.9	20.8

Container Handled: Day wise (November'20)



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

JNPCT		
Port Dwell time based on transit type		
November'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	41.5 hrs	26.0 hrs
Port Dwell time based on container type		
November'20	Laden Containers	Empty Containers
Dwell time (in hrs)	25.0 hrs	24.9 hrs

GTI		
Port Dwell time based on transit type		
November'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	30.1 hrs	14.1 hrs
Port Dwell time based on container type		
November'20	Laden Containers	Empty Containers
Dwell time (in hrs)	22.3 hrs	40.4 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

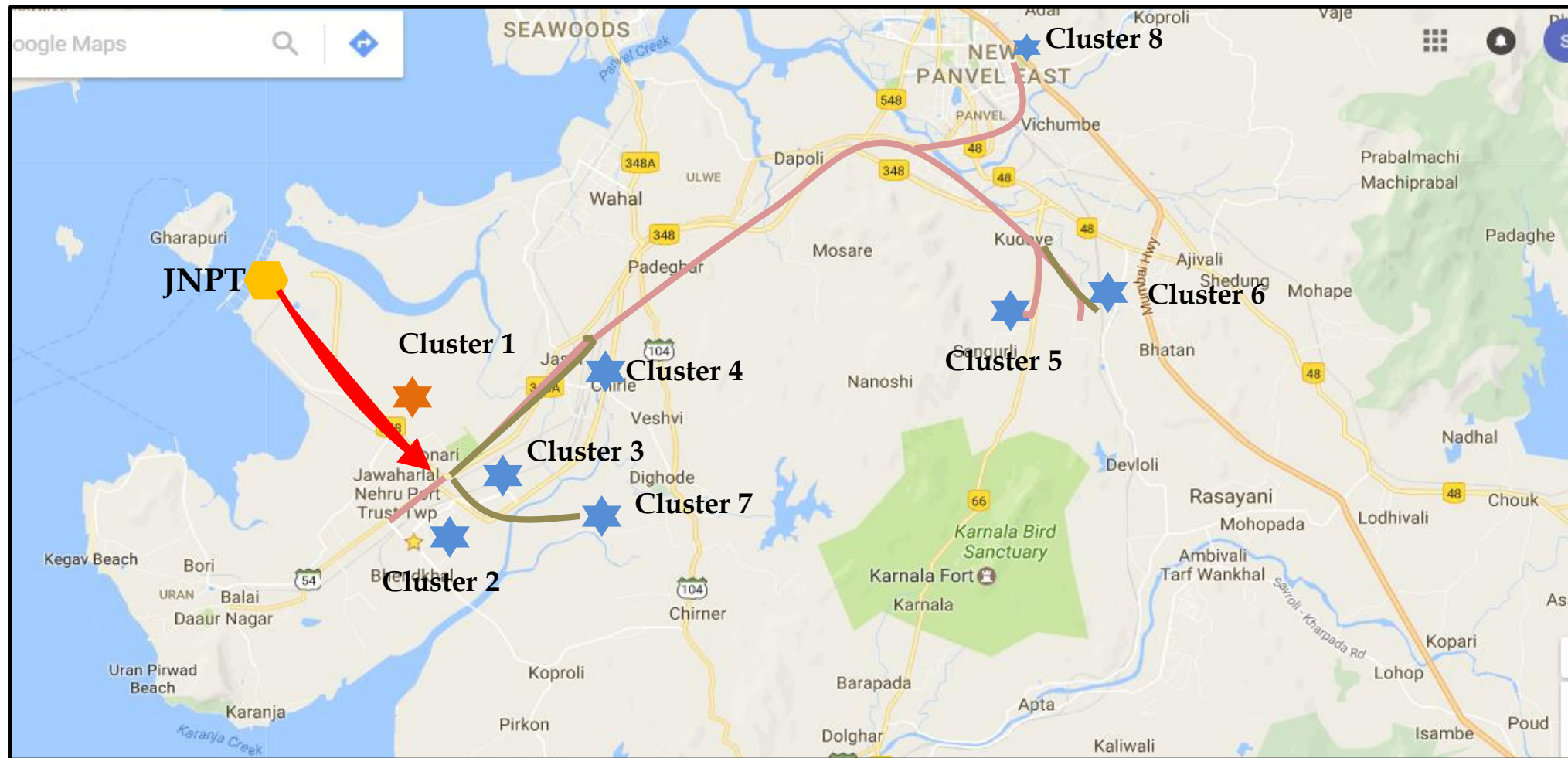
NSICT		
Port Dwell time based on transit type		
November' 20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	46.3 hrs	17.1 hrs
Port Dwell time based on container type		
November' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	18.2 hrs	24.9 hrs

NSIGT		
Port Dwell time based on transit type		
November' 20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	61.2 hrs	14.7 hrs
Port Dwell time based on container type		
November' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	18.1 hrs	18.3 hrs

BMCT		
Port Dwell time based on transit type		
November' 20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	31.5 hrs	19.5 hrs
Port Dwell time based on container type		
November' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	20.5 hrs	31.0 hrs

JNPT Region: Congestion Analysis (Import Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPT Area
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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

Legends

- High Congestion (Red arrow)
- Medium Congestion (Brown arrow)
- Low Congestion (Pink arrow)
- Cluster with bottleneck (Orange star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Import Cycle :- [Red bar]

JNPCT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Red bar]

BMCT Terminal

Congestion Level
Export Cycle :- [Red bar]

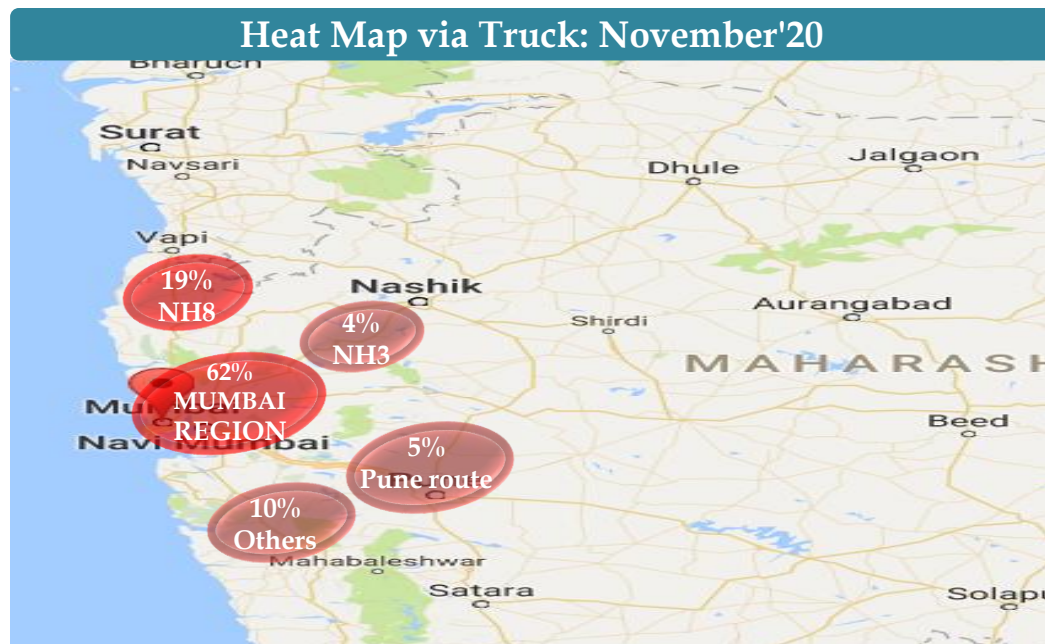
Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
2) Analysis consist of CFS covered under LDB project

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	November'20
Mumbai region	62%
NH3	4%
Pune	5%
NH8	19%
others	10%

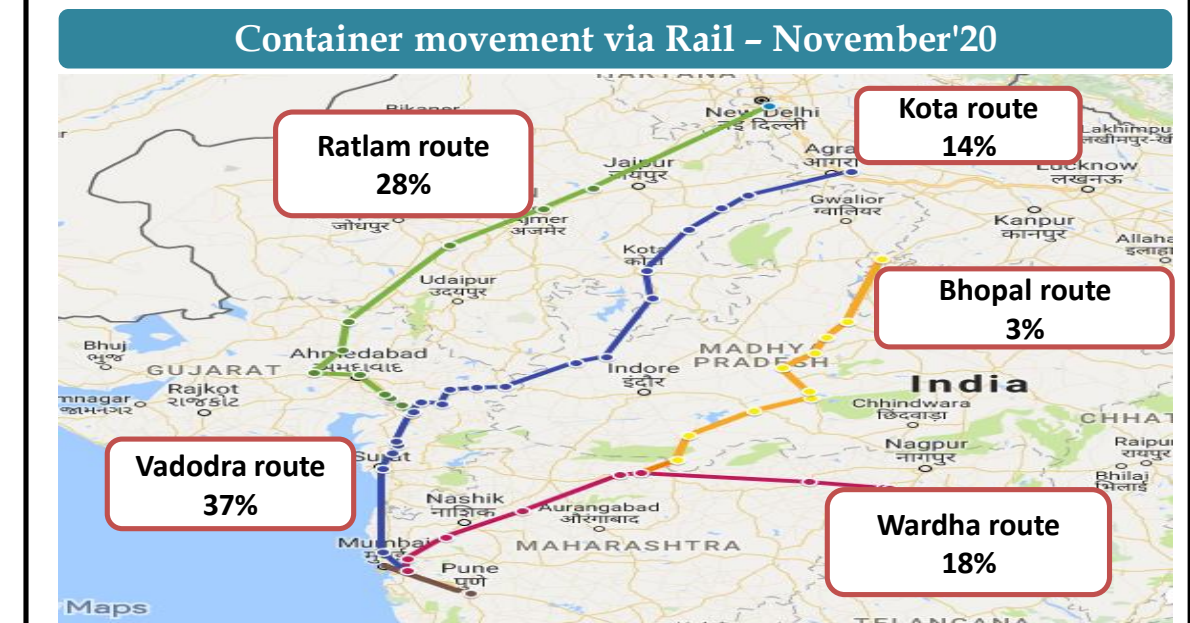
The figure depicts the movement of containers via truck in and around Mumbai region.



Train
VOLUME WISE CONTAINER MOVEMENT

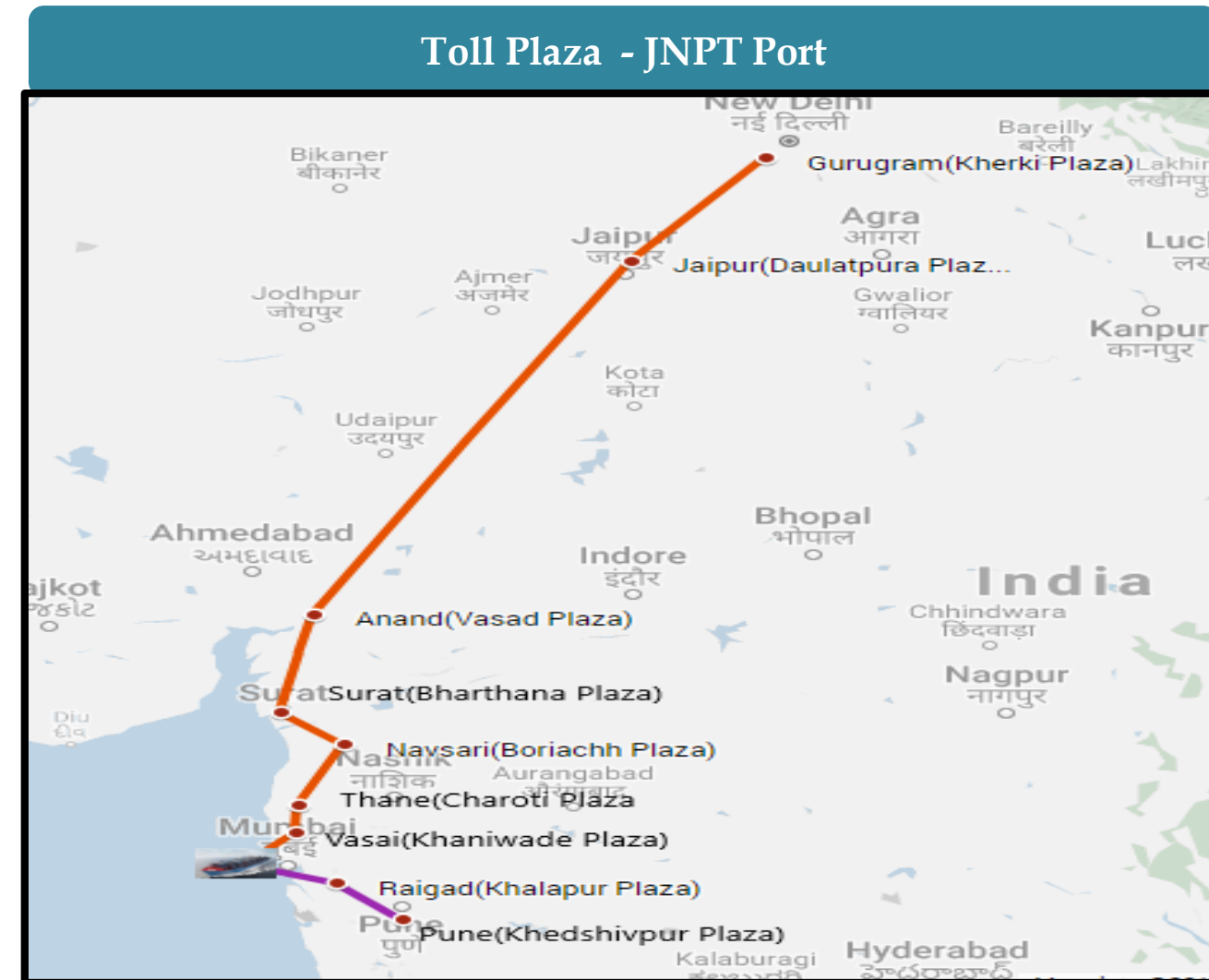
Region	November'20
Vadodra Route	37%
Ratlam Route	28%
Wardha Route	18%
Kota Route	14%
Bhopal Route	3%

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



Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Oct'20 (in km/hrs)	Nov'20 (in km/hrs)
JNPT	JNPT	Khaniwade	94	11.5	14.7
	JNPT	Khalapur	60	16.2	14.9
	Khaniwade	Charoti	50	35.8	36.4
	Charoti	Boriach	126	25.9	26.3
	Boriach	Bharthan	142	31.3	32.0
	Bharthan	Vasad	60	40.0	39.8
	Khalalpur	Khedshivpur	105	36.5	33.8
	Daulatpura	Kherki	199	23.7	25.0



Export Cycle Analysis

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

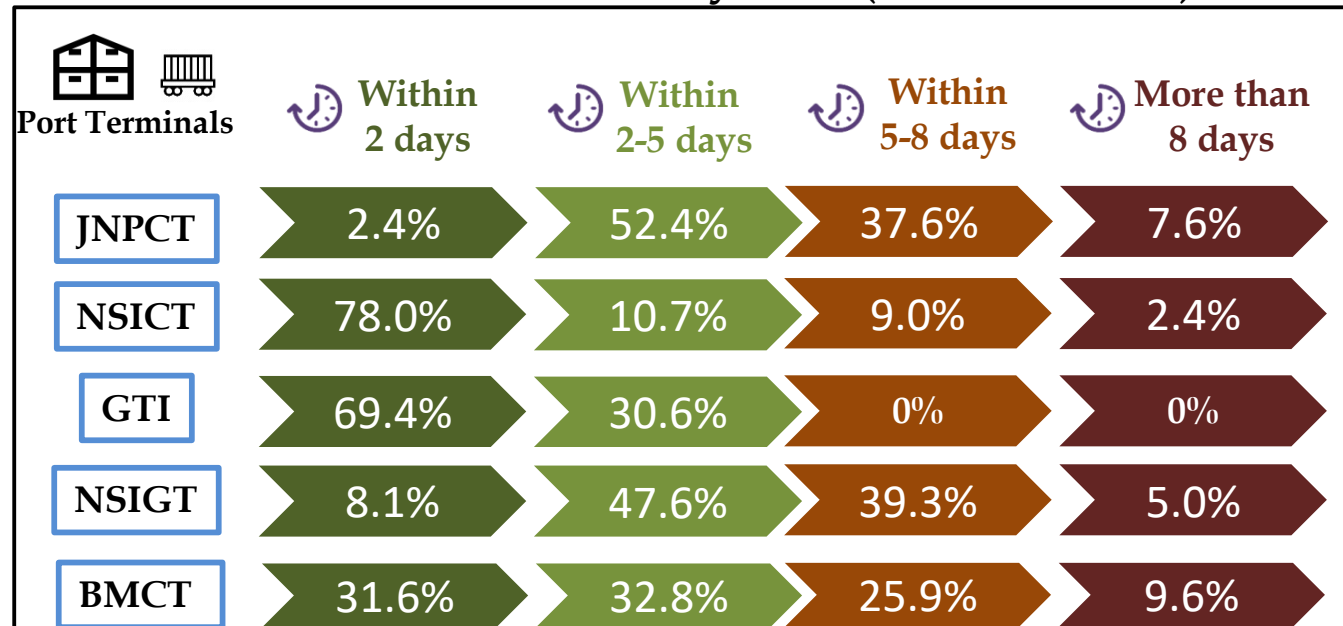
PORT EXPORT via TRAIN

(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	October'20 (in hrs)	November'20 (in hrs)
JNPCT	113.0	119.8
NSICT	12.7	6.9
GTI	107.4	22.6
NSIGT	109.0	111.3
BMCT	119.5	86.8

Container Handled: Day wise (November'20)



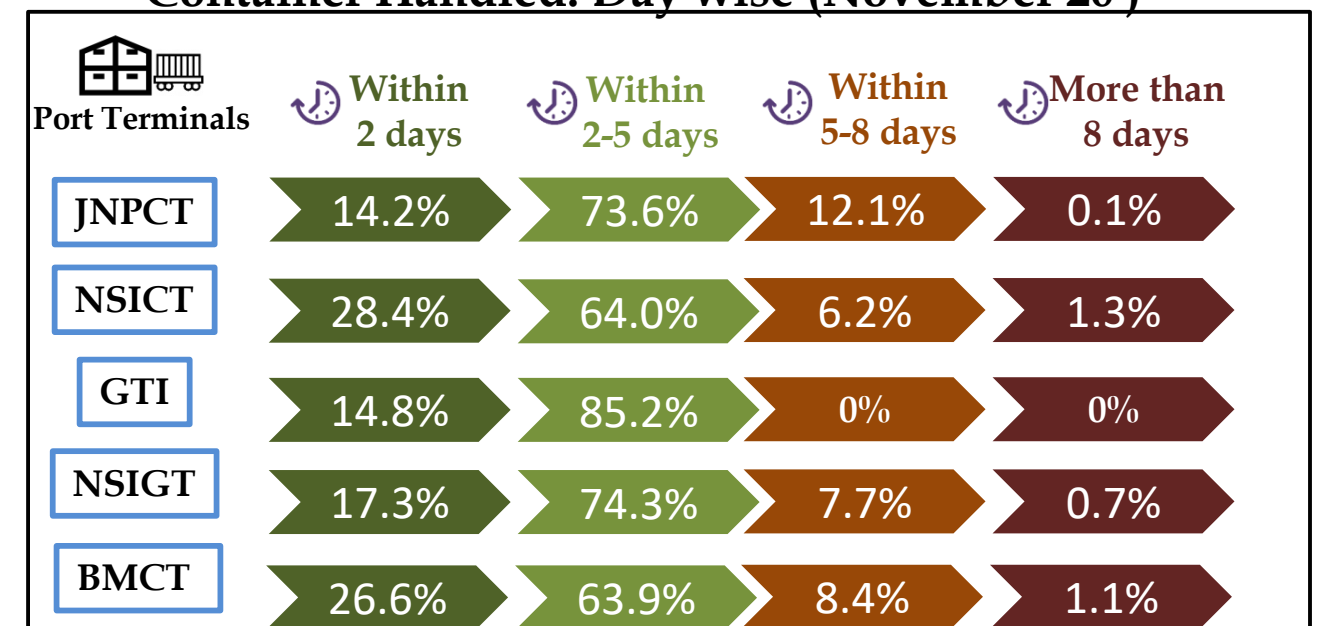
PORT EXPORT via TRUCK

(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	October'20 (in hrs)	November'20 (in hrs)
JNPCT	80.9	82.7
NSICT	68.5	70.5
GTI	73.8	82.4
NSIGT	85.3	79.5
BMCT	75.3	73.3

Container Handled: Day wise (November'20)



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

JNPCT		
Port Dwell time based on transit type		
November'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	80.9 hrs	81.6 hrs
Port Dwell time based on container type		
November'20	Laden Containers	Empty Containers
Dwell time (in hrs)	80.3 hrs	86.5 hrs

GTI		
Port Dwell time based on transit type		
November'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	67.7 hrs	-
Port Dwell time based on container type		
November'20	Laden Containers	Empty Containers
Dwell time (in hrs)	66.1 hrs	92.3 hrs

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

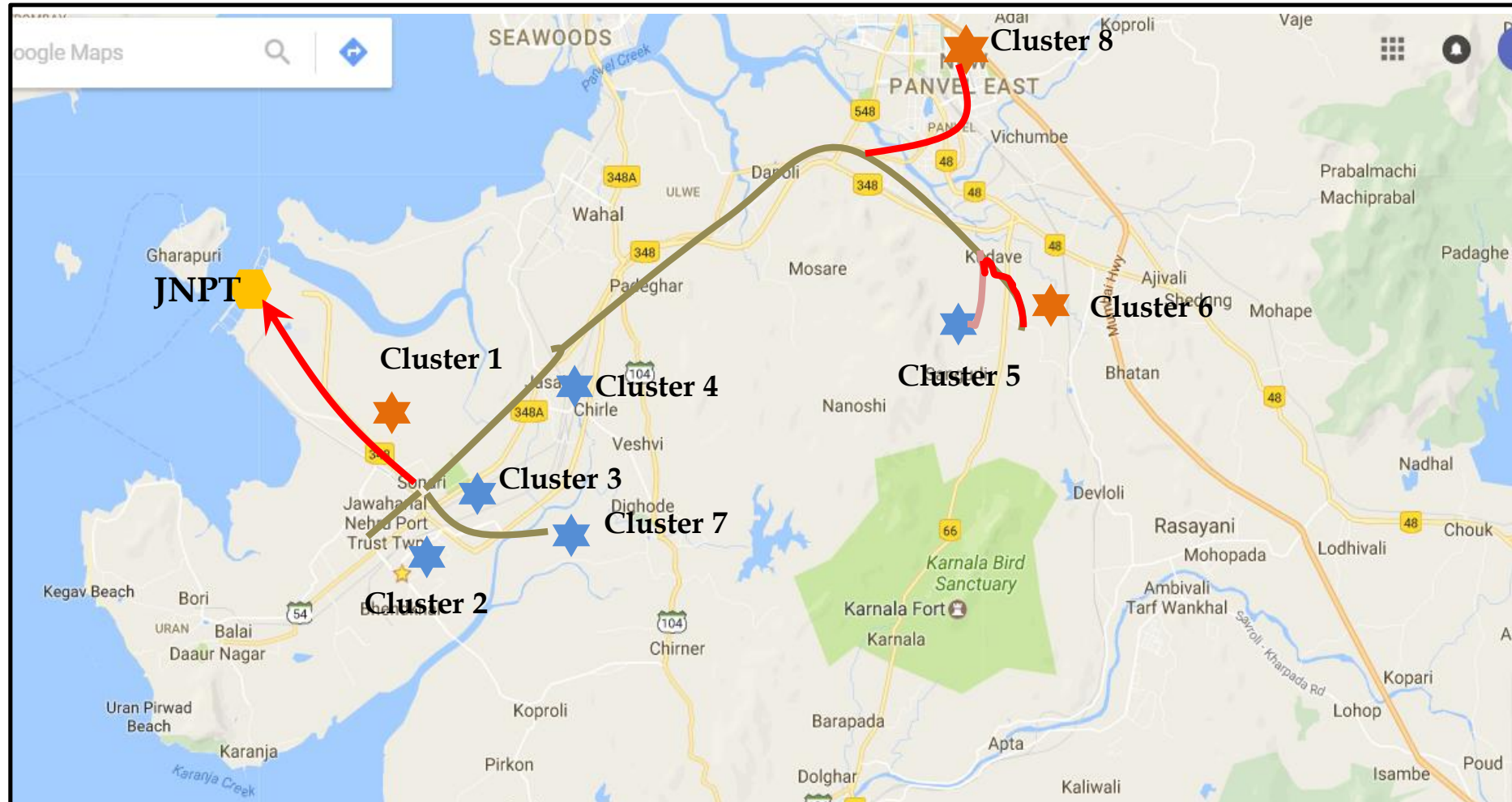
NSICT		
Port Dwell time based on transit type		
November' 20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	76.1 hrs	64.3 hrs
Port Dwell time based on container type		
November' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	67.2 hrs	37.8 hrs

NSIGT		
Port Dwell time based on transit type		
November' 20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	84.6 hrs	77.3 hrs
Port Dwell time based on container type		
November' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	82.2 hrs	58.1 hrs

BMCT		
Port Dwell time based on transit type		
November' 20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	71.9 hrs
Port Dwell time based on container type		
November' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	76.1 hrs	70.6 hrs

JNPT Region: Congestion Analysis (Export Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 8	Taloja, Navi Mumbai

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

Legends

- High Congestion (Red line)
- Medium Congestion (Brown line)
- Low Congestion (Grey line)
- Cluster with bottleneck (Orange star)
- Cluster without bottleneck (Blue star)

GTI Terminal

Congestion Level
Import Cycle :- [Red bar]

JNPCT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSICT Terminal

Congestion Level
Import Cycle :- [Red bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Red bar]

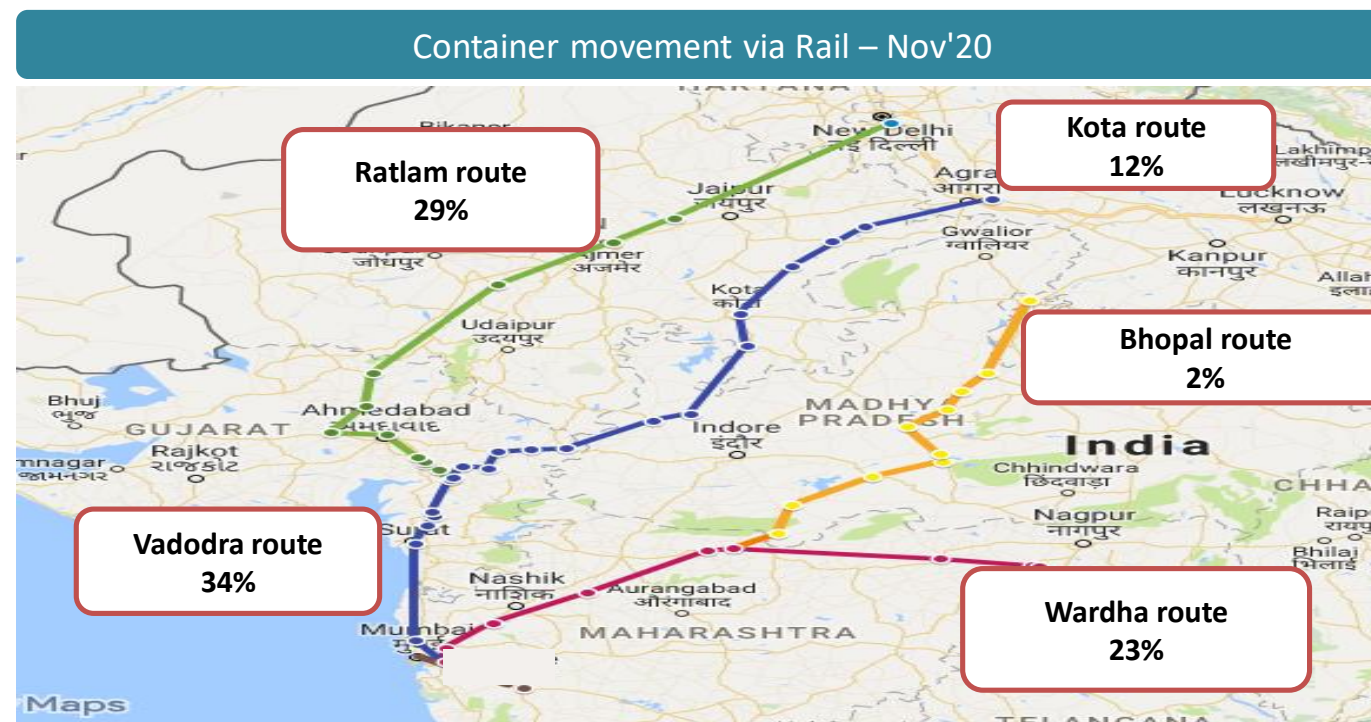
BMCT Terminal

Congestion Level
Export Cycle :- [Red bar]

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	34%
Ratlam Route	29%
Wardha Route	23%
Kota Route	12%
Bhopal Route	2%

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

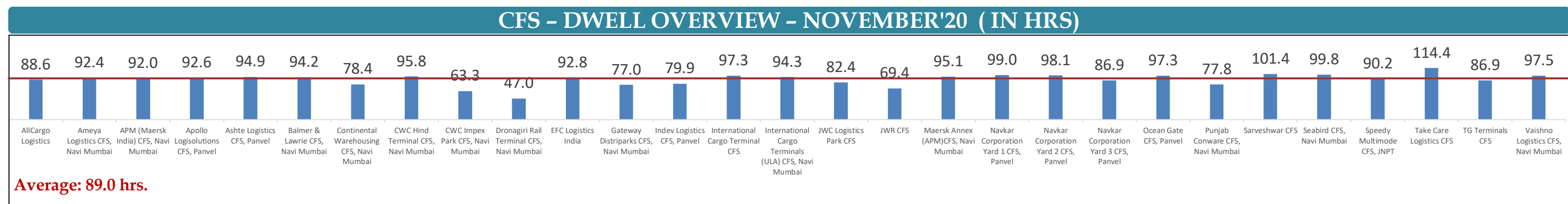


CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

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

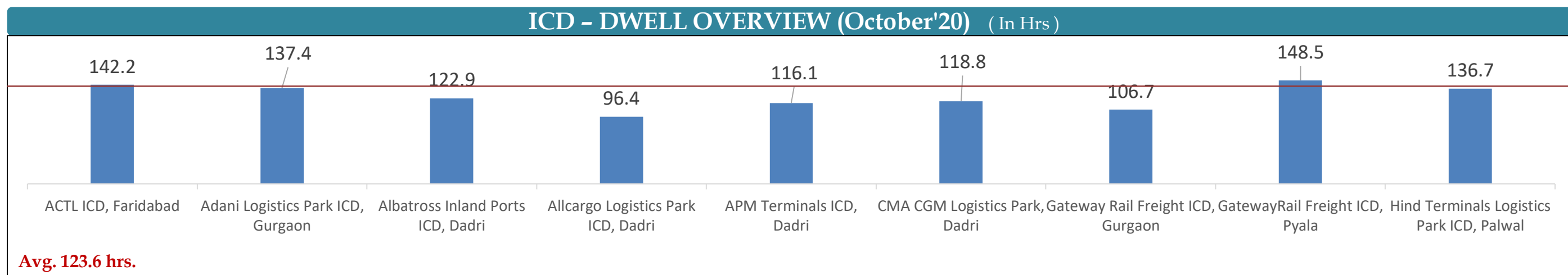
CFS Dwell Time (in hrs.)					
CFS	Oct'20 (in hrs)	Nov'20 (in hrs)	CFS	Oct'20 (in hrs)	Nov'20 (in hrs)
AllCargo Logistics	81.7	88.6	JWC Logistics Park CFS	87.1	82.4
Ameya Logistics CFS, Navi Mumbai	93.4	92.4	JWR CFS	70.4	69.4
APM (Maersk India) CFS, Navi Mumbai	85.1	92.0	Maersk Annex (APM)CFS, Navi Mumbai	104.4	95.1
Apollo Logisolutions CFS, Panvel	81.8	92.6	Navkar Corporation Yard 1 CFS, Panvel	88.3	99.0
Ashte Logistics CFS, Panvel	94	94.9	Navkar Corporation Yard 2 CFS, Panvel	113.1	98.1
Balmer & Lawrie CFS, Navi Mumbai	94.8	94.2	Navkar Corporation Yard 3 CFS, Panvel	99.3	86.9
Continental Warehousing CFS, Navi Mumbai	76.5	78.4	Ocean Gate CFS, Panvel	91.7	97.3
CWC Hind Terminal CFS, Navi Mumbai	97.5	95.8	Punjab Conware CFS, Navi Mumbai	74	77.8
CWC Impex Park CFS, Navi Mumbai	59.8	63.3	Sarveshwar CFS	95	101.4
Dronagiri Rail Terminal CFS, Navi Mumbai	53.3	47.0	Seabird CFS, Navi Mumbai	89.1	99.8
EFC Logistics India	76.3	92.8	Speedy Multimode CFS, JNPT	87	90.2
Gateway Distriparks CFS, Navi Mumbai	80.6	77.0	Take Care Logistics CFS	-	114.4
Indev Logistics CFS, Panvel	79.2	79.9	TG Terminals CFS	83.8	86.9
International Cargo Terminal CFS	82.2	97.3	Vaishno Logistics CFS, Navi Mumbai	92.7	97.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	84.4	94.3			



ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Oct'20 (in hrs)	Nov'20 (in hrs)
ACTL ICD, Faridabad	116.3	142.2
Adani Logistics Park ICD, Gurgaon	131.7	137.4
Albatross Inland Ports ICD, Dadri	92.4	122.9
Allcargo Logistics Park ICD, Dadri	84.6	96.4
APM Terminals ICD, Dadri	112.3	116.1
CMA CGM Logistics Park, Dadri	111.8	118.8
Gateway Rail Freight ICD, Gurgaon	98.0	106.7
GatewayRail Freight ICD, Pyala	105.7	148.5
Hind Terminals Logistics Park ICD, Palwal	110.9	136.7

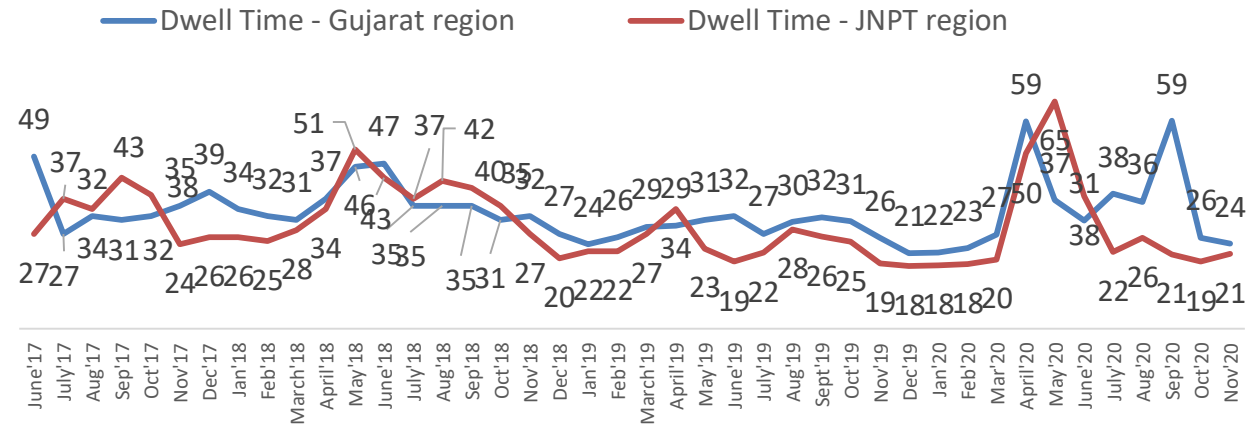


Trend Analysis

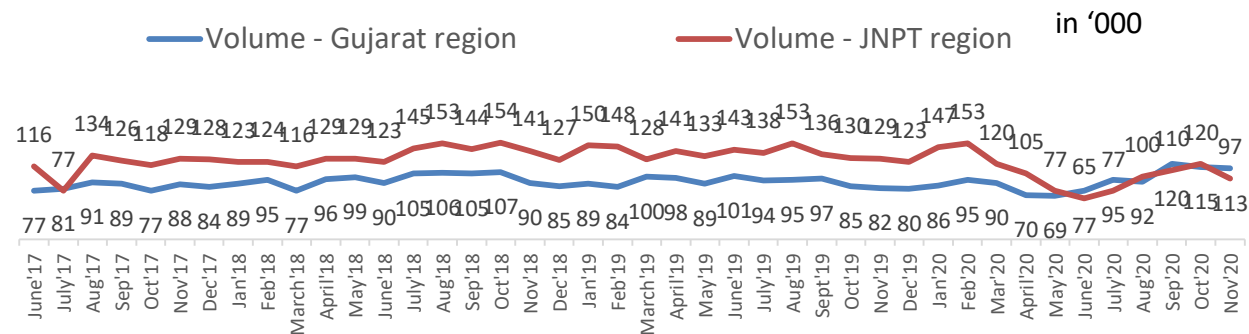
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until November'20

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



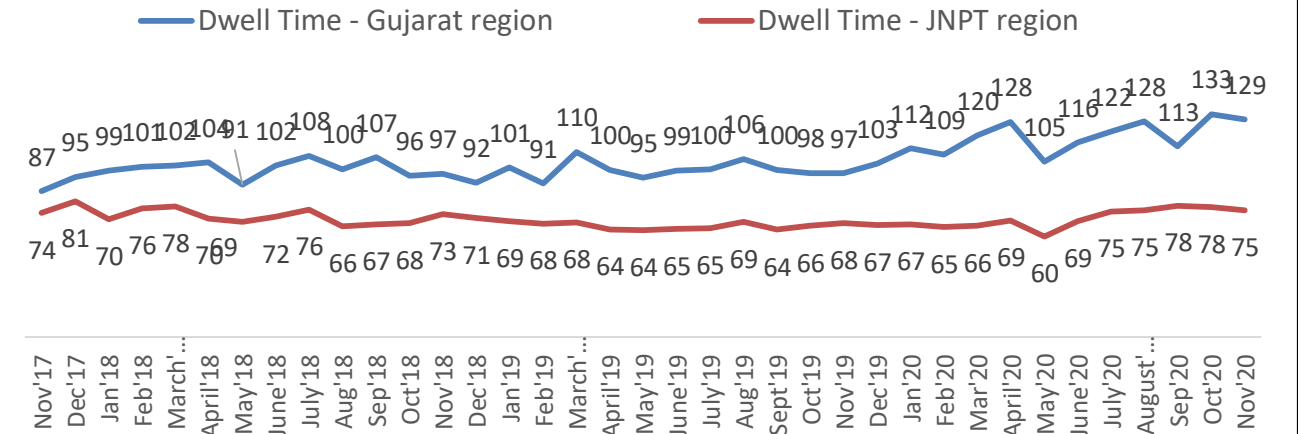
Volume – Gujarat Region Vs JNPT Region



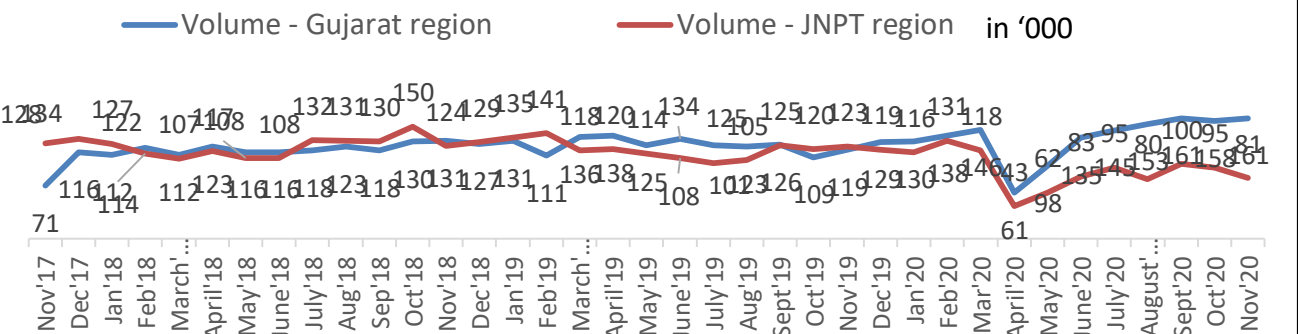
In Import cycle, for the month of November'20 JNPT port has catered 14% less volume than APSEZ Port, and has maintained 12% lower dwell time than APSEZ Port

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region



Volume – Gujarat Region Vs JNPT Region

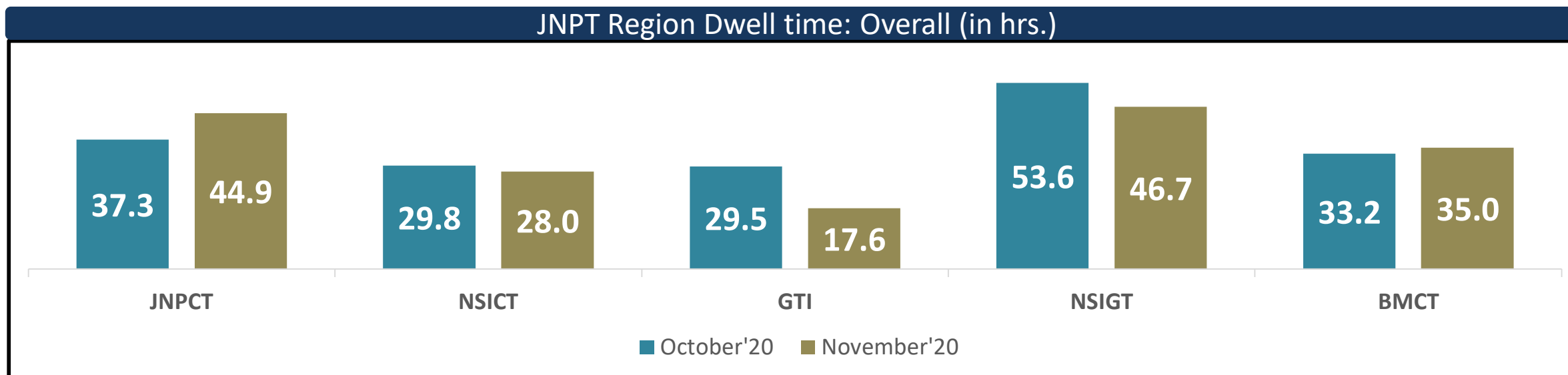


In Export cycle, for the month November'20 JNPT port catered 50% less volume than APSEZ Port, and has maintained 42% lower dwell time than APSEZ Port

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

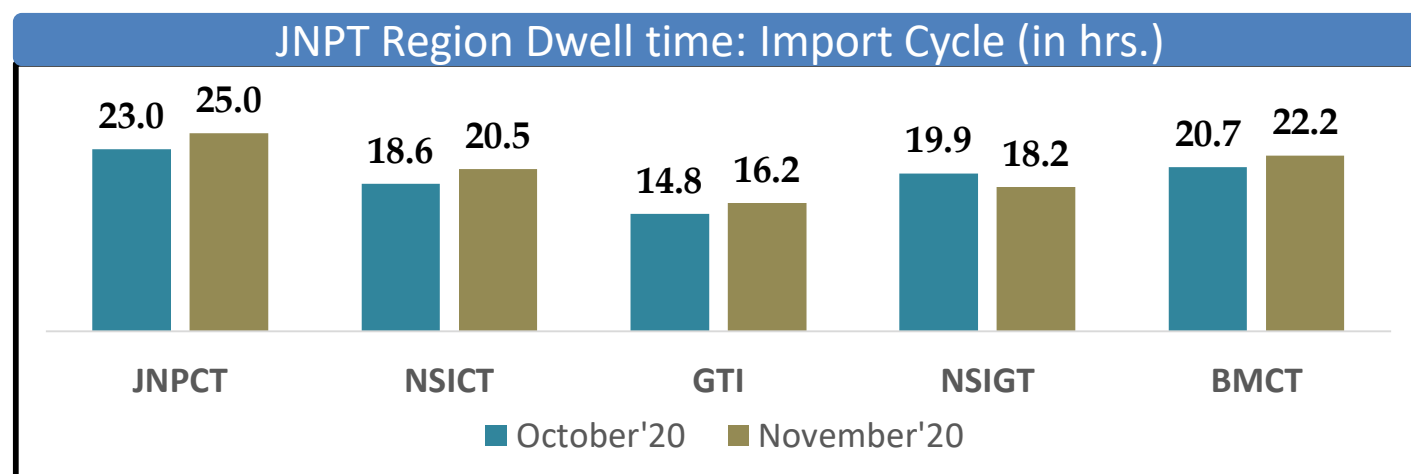


The overall JNPT region average dwell time for Nov'20 is 37.1 hrs as compared to 35.3 hrs in Oct'20

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

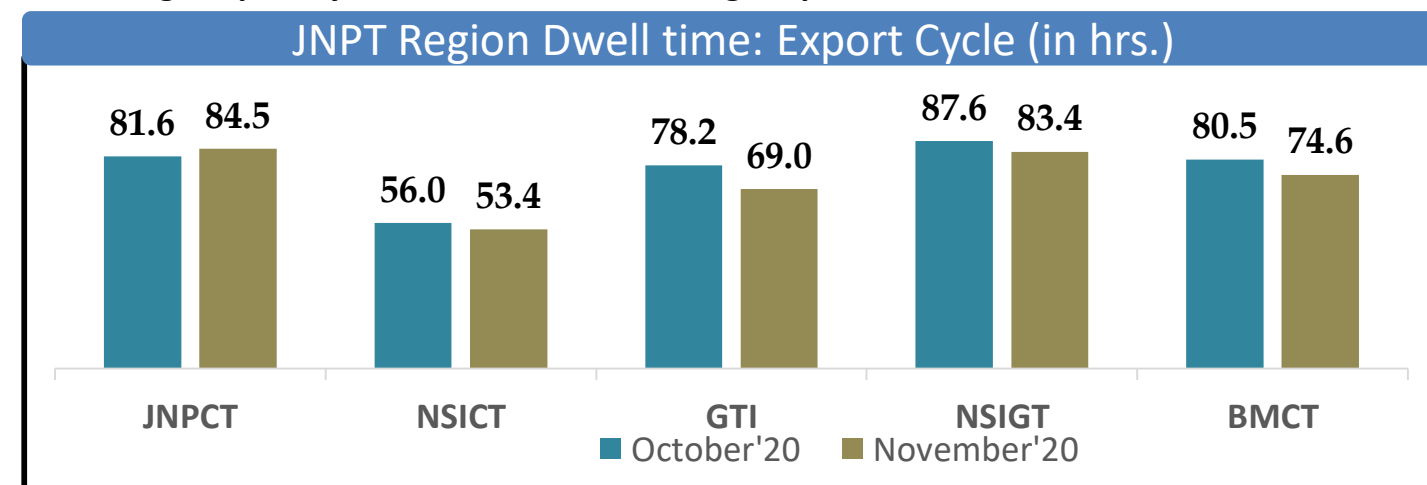
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for November'20 is 20.4 hrs.



JNPT Export cycle Trend

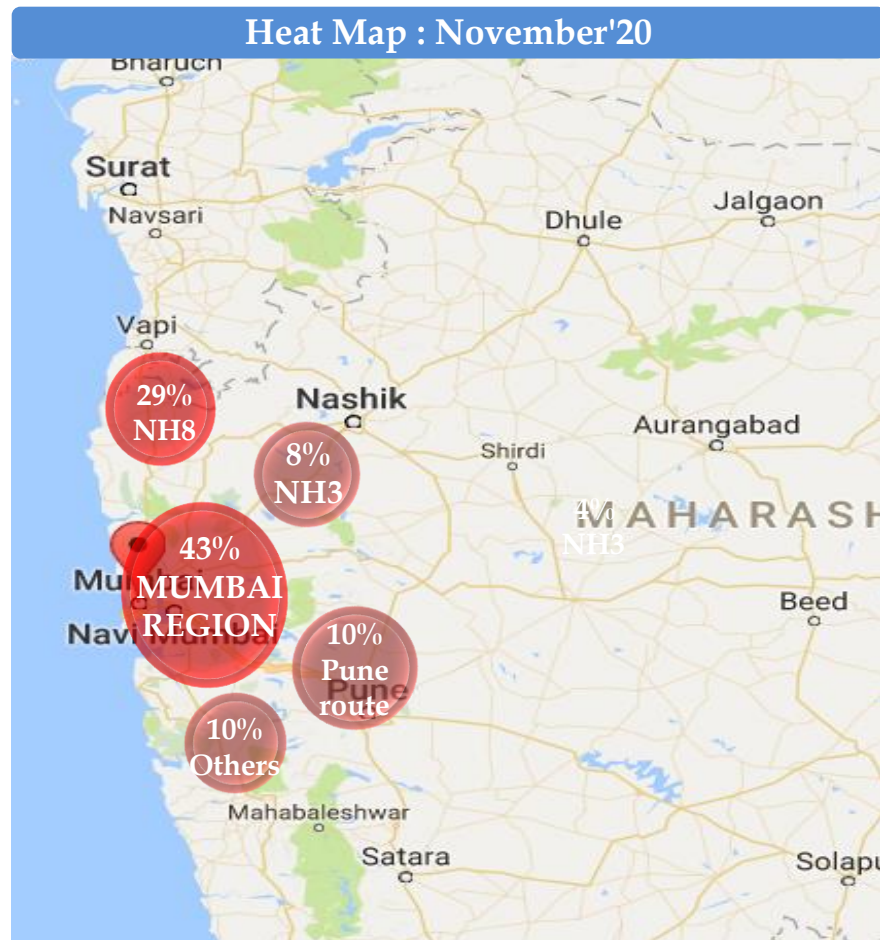
The average export cycle dwell time of JNPT region port terminals for November'20 is 73 hrs.



ANNEXURE

Container movement around JNPT Port terminal region via Truck

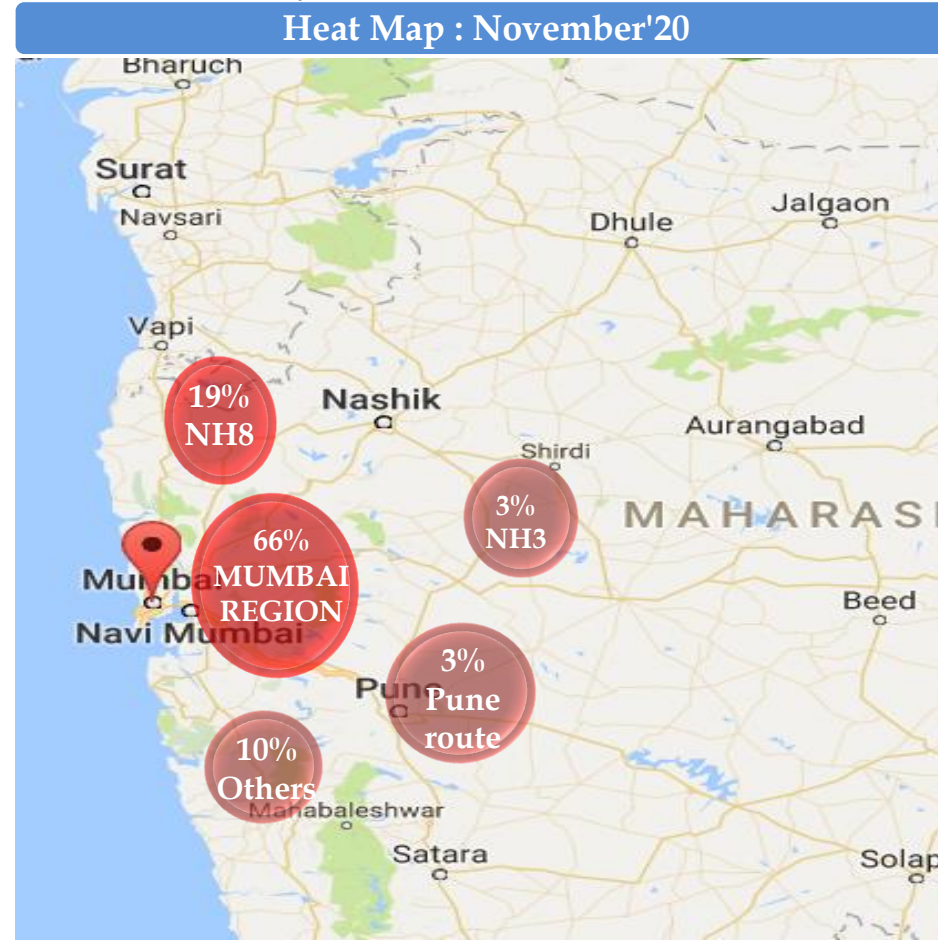
HEAT MAP : GTI Port Terminal



Region	Oct'20	Nov'20
Mumbai region	54%	43%
NH3	6%	8%
Pune	6%	10%
NH8	24%	29%
others	10%	10%

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

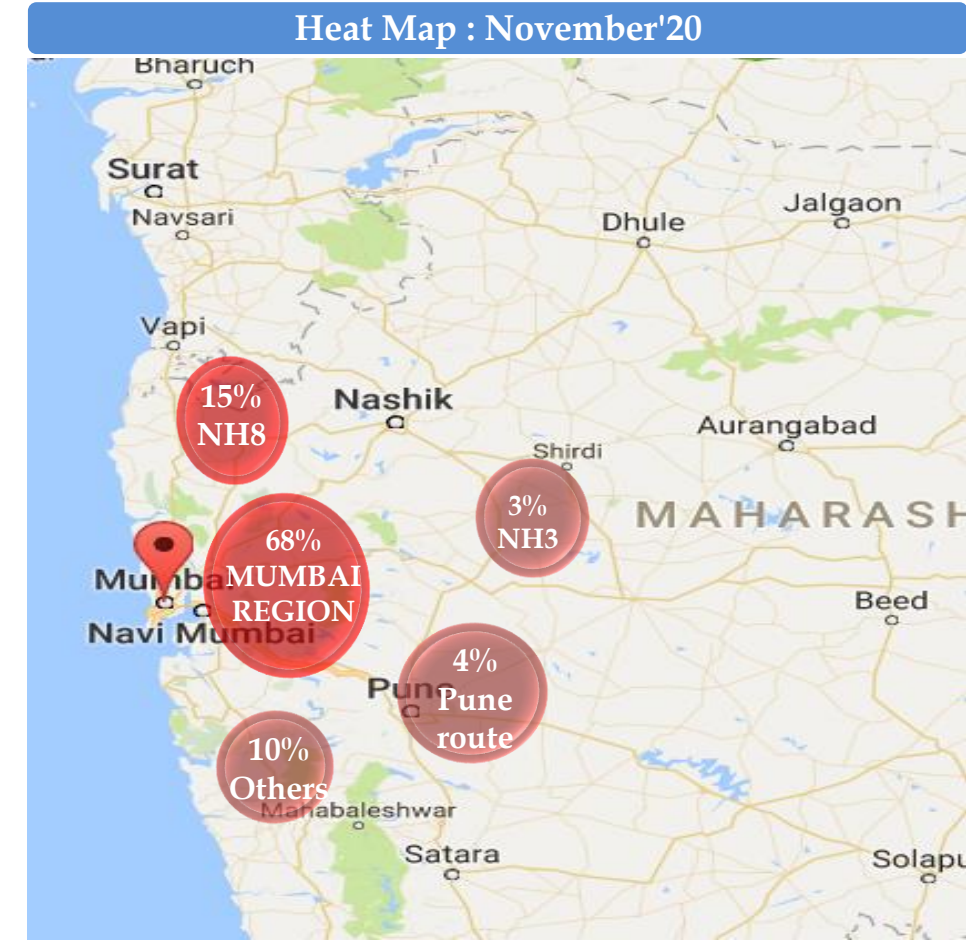
HEAT MAP : JNPCT Port Terminal



Region	Oct'20	Nov'20
Mumbai region	63%	66%
NH3	3%	3%
Pune	2%	3%
NH8	22%	19%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal



Region	Oct'20	Nov'20
Mumbai region	70%	68%
NH3	3%	3%
Pune	3%	4%
NH8	15%	15%
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

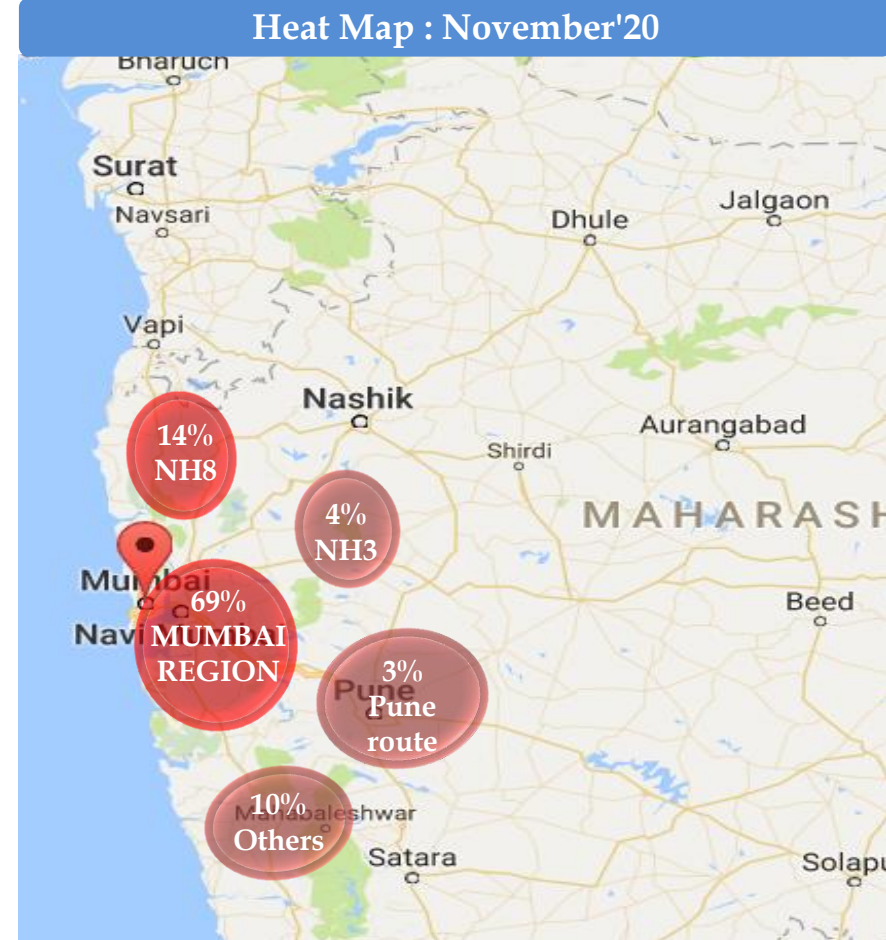
HEAT MAP : NSIGT Port Terminal



Region	Oct'20	Nov'20
Mumbai region	61%	68%
NH3	5%	4%
Pune	3%	3%
NH8	21%	15%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Oct'20	Nov'20
Mumbai region	60%	69%
NH3	4%	4%
Pune	3%	3%
NH8	23%	14%
others	10%	10%

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

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	Nov'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.0
APM (Maersk India) CFS, Navi Mumbai	2.3
Internation Cargo Terminal CFS	2.2
Ameya Logistics CFS, Navi Mumbai	2.3
Transindia Logistics Park, Navi Mumbai	2.4
Indev Logistics CFS, Panvel	2.9
Navkar Corporation Yard 3 CFS, Panvel	4.3
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	3.2
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	2.9
Navkar Corporation Yard 1 CFS, Panvel	3.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.7
Maersk Annex (APM)CFS, Navi Mumbai	2.3
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	4.3
Navkar Corporation Yard 2 CFS, Panvel	3.7
Punjab Conware CFS, Navi Mumbai	1.7
Vaishno Logistics CFS, Navi Mumbai	1.7
JWC Logistics Park CFS	2.7
SBW Logistics CFS, Navi Mumbai	4.6
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	-

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	Nov'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.1
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	2.0
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	3.0
Indev Logistics CFS, Panvel	3.3
Navkar Corporation Yard 3 CFS, Panvel	4.0
Seabird CFS, Navi Mumbai	2.1
Balmer & Lawrie CFS, Navi Mumbai	1.8
Ashte Logistics CFS, Panvel	2.5
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	1.6
Dronogiri Rail Terminal CFS, Navi Mumbai	2.1
Navkar Corporation Yard 1 CFS, Panvel	6.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0
Maersk Annex (APM)CFS, Navi Mumbai	2.4
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	3.2
Navkar Corporation Yard 2 CFS, Panvel	5.2
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	1.9
JWC Logistics Park CFS	2.5
SBW Logistics CFS, Navi Mumbai	3.8
Ocean Gate CFS, Panvel	3.2
Maharashtra State Corp CFS	1.2

CFS DELIVERY TIME ANALYSIS

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	Nov'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	1.6
Internation Cargo Terminal CFS	2.4
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	3.4
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	4.1
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	3.8
Navkar Corporation Yard 1 CFS, Panvel	5.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.5
Maersk Annex (APM)CFS, Navi Mumbai	2.2
Speedy Multimode CFS, JNPT	2.3
Apollo Logisolutions CFS, Panvel	3.2
Navkar Corporation Yard 2 CFS, Panvel	7.6
Punjab Conware CFS, Navi Mumbai	3.3
Vaishno Logistics CFS, Navi Mumbai	3.1
JWC Logistics Park CFS	3.4
SBW Logistics CFS, Navi Mumbai	5.0
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	40.6

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	Nov'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.0
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	2.0
Ameya Logistics CFS, Navi Mumbai	2.4
Transindia Logistics Park, Navi Mumbai	2.9
Indev Logistics CFS, Panvel	3.5
Navkar Corporation Yard 3 CFS, Panvel	5.1
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	2.1
Ashte Logistics CFS, Panvel	2.8
Continental Warehousing CFS, Navi Mumbai	1.9
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	12.3
Navkar Corporation Yard 1 CFS, Panvel	7.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	2.5
Speedy Multimode CFS, JNPT	2.4
Apollo Logisolutions CFS, Panvel	3.7
Navkar Corporation Yard 2 CFS, Panvel	7.5
Punjab Conware CFS, Navi Mumbai	3.3
Vaishno Logistics CFS, Navi Mumbai	3.9
JWC Logistics Park CFS	2.6
SBW Logistics CFS, Navi Mumbai	3.6
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	36.1

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	Nov'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.5
APM (Maersk India) CFS, Navi Mumbai	1.8
Internation Cargo Terminal CFS	2.1
Ameya Logistics CFS, Navi Mumbai	2.3
Transindia Logistics Park, Navi Mumbai	2.8
Indev Logistics CFS, Panvel	3.6
Navkar Corporation Yard 3 CFS, Panvel	4.1
Seabird CFS, Navi Mumbai	2.2
Balmer & Lawrie CFS, Navi Mumbai	2.3
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	1.7
Dronogiri Rail Terminal CFS, Navi Mumbai	6.7
Navkar Corporation Yard 1 CFS, Panvel	4.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.2
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	2.8
Navkar Corporation Yard 2 CFS, Panvel	5.5
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	1.9
JWC Logistics Park CFS	2.5
SBW Logistics CFS, Navi Mumbai	3.1
Ocean Gate CFS, Panvel	3.1
Maharashtra State Corp CFS	11.2

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

CFS Cluster : NSIGT Terminal






CFS Cluster : BMCT Terminal

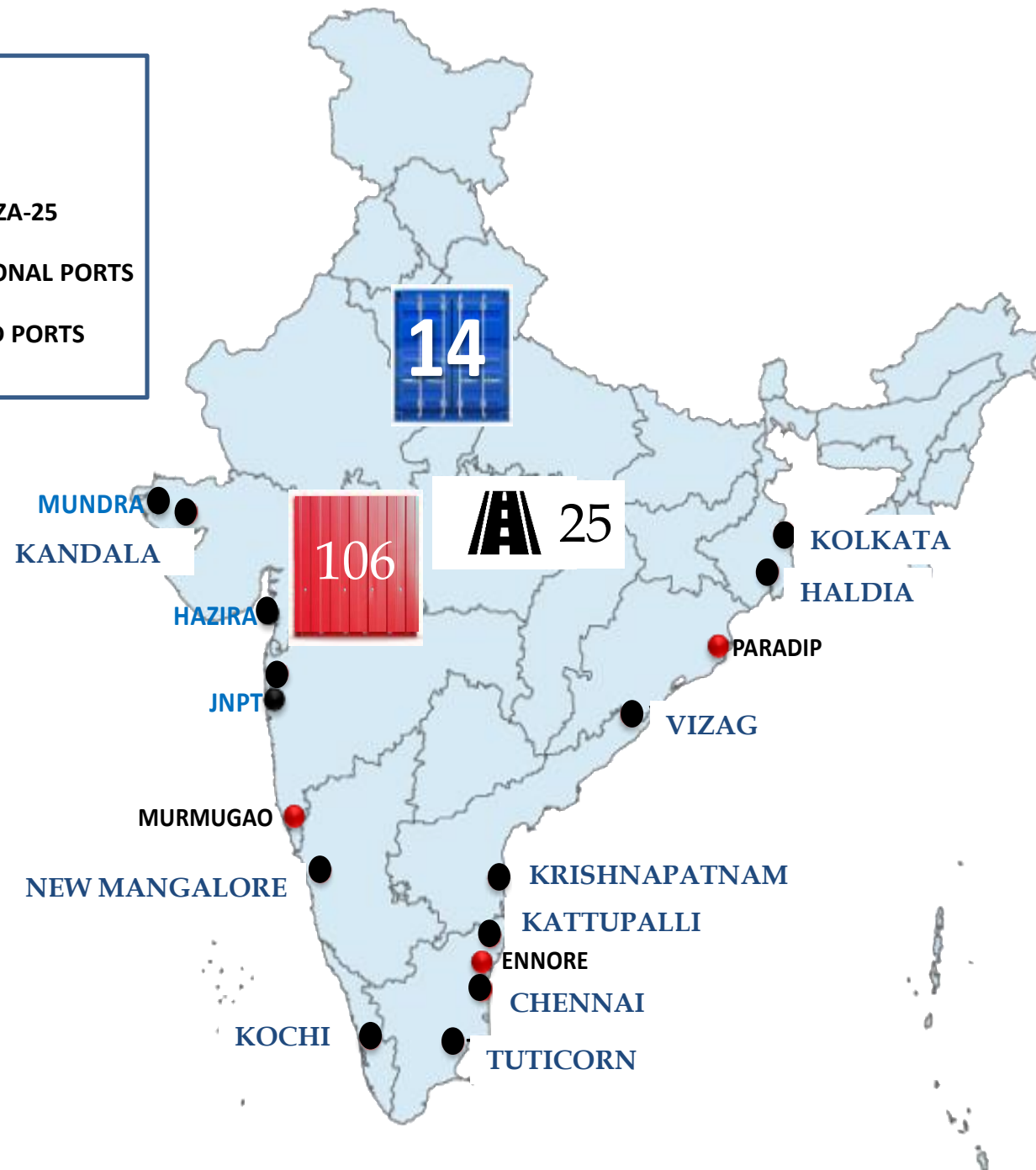
GTI terminal for month of Nov'20				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.3	2.6
Cluster 2	6	13	2.2	2.6
Cluster 3	6	11	3.6	2.4
Cluster 4	1	13	3.1	0.0
Cluster 5	2	25	3.2	2.6
Cluster 6	6	25	4.0	4.1
Cluster 7	4	12	2.2	2.2
Cluster 8	1	34	5.0	4.9

JNPCT terminal for month of Nov'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	2.4	1.9
Cluster 2	6	13	2.0	1.9
Cluster 3	6	11	2.0	2.0
Cluster 4	1	13	3.9	2.4
Cluster 5	2	25	2.8	2.2
Cluster 6	6	25	4.4	4.2
Cluster 7	4	12	2.4	2.1
Cluster 8	1	34	3.6	10.5

JNPCT terminal for month of Nov'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	2.0	2.7
Cluster 2	6	13	2.1	3.1
Cluster 3	6	11	2.0	4.3
Cluster 4	1	13	1.9	5.7
Cluster 5	2	25	2.8	5.4
Cluster 6	6	25	3.8	6.0
Cluster 7	4	12	2.3	3.3
Cluster 8	1	34	3.1	23.2

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**

-  ICD- 14
-  CFS-106
-  TOLL PLAZA-25
-  OPERATIONAL PORTS
-  PLANNED PORTS



Below mentioned are all the CFS in the respective Clusters :

<p>Cluster 1 (JNPT Area)</p> <ul style="list-style-type: none"> Speedy Multimode CFS, JNPT 	<p>Cluster 3 Sonari area, JNPT road</p> <ul style="list-style-type: none"> 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 	<p>Cluster 6 (Salva apta rd area, Bangalore highway)</p> <ul style="list-style-type: none"> 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
<p>Cluster 2 (Bhendkhal area, Khopate road)</p> <ul style="list-style-type: none"> 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 	<p>Cluster 4 (Chirle area, JNPT road)</p> <ul style="list-style-type: none"> Vaishno Logistics CFS, Navi Mumbai 	<p>Cluster 7 (Patilpada area, Khopate JNPT road)</p> <ul style="list-style-type: none"> All Cargo Logistics CFS, Navi Mumbai Transindia Logistics Park, Navi Mumbai Ameya Logistics CFS, Navi Mumbai Continental Warehousing CFS, Navi Mumbai
	<p>Cluster 5 (Plaspa area, Coachi kanyakumari Highway)</p> <ul style="list-style-type: none"> JWC Logistics Park CFS Ocean Gate CFS, Panvel 	
	<p>Cluster 8 SBW</p>	

List of CFS name used in CFS Performance Index

1	AllCargo Logistics	16	JWC Logistics Park CFS
2	Ameya Logistics CFS, Navi Mumbai	17	JWR CFS
3	APM (Maersk India) CFS, Navi Mumbai	18	Maersk Annex (APM)CFS, Navi Mumbai
4	Apollo Logisolutions CFS, Panvel	19	Navkar Corporation Yard 1 CFS, Panvel
5	Ashte Logistics CFS, Panvel	20	Navkar Corporation Yard 2 CFS, Panvel
6	Balmer & Lawrie CFS, Navi Mumbai	21	Navkar Corporation Yard 3 CFS, Panvel
7	Continental Warehousing CFS, Navi Mumbai	22	Ocean Gate CFS, Panvel
8	CWC Hind Terminal CFS, Navi Mumbai	23	Punjab Conware CFS, Navi Mumbai
9	CWC Impex Park CFS, Navi Mumbai	24	Sarveshwar CFS
10	Dronagiri Rail Terminal CFS, Navi Mumbai	25	Seabird CFS, Navi Mumbai
11	EFC Logistics India	26	Speedy Multimode CFS, JNPT
12	Gateway Distriparks CFS, Navi Mumbai	27	Take Care Logistics CFS
13	Indev Logistics CFS, Panvel	28	TG Terminals CFS
14	International Cargo Terminal CFS	29	Vaishno Logistics CFS, Navi Mumbai
15	International Cargo Terminals (ULA) CFS, Navi Mumbai		



THANK YOU