







Terminal wise Dwell Time Performance - Snapshot

Import Cycle			Export Cycle		
Port	Nov'20 (in hrs)	Dec'20 (in hrs)	Port	Nov'20 (in hrs)	Dec'20 (in hrs)
JNPCT	25.0	28.0	JNPCT	84.5	90.3
NSICT	20.5	17.0	NSICT	53.4	65.7
GTI	16.2	16.3	GTI	69.0	68.5
NSIGT	18.2	19.2	NSIGT	83.4	81.1
BMCT/PSA	22.2	24.1	BMCT/PSA	74.6	78.5

Critical Incident Summary

Jawaharlal Nehru Port Terminals

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

Month	Import Cycle - Dwell Time	Export Cycle - Dwell Time	CFS Dwell Time	ICD
December'20	20.8 hrs 	76.6 hrs 	84.2 hrs 	127.5 hrs 
November'20	21.2 hrs	75.3 hrs	89.0 hrs	123.6 hrs

Port Dwell Time

IMPORT

Mode	Nov'20 (in hrs)	Dec'20 (in hrs)
Overall	23.5	26.6
Truck	22.1	24.5
Train	45.7	55.4

EXPORT

Mode	Nov'20 (in hrs)	Dec'20 (in hrs)
Overall	104.7	100.5
Truck	103.1	100.0
Train	112.6	103.0

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

Entity	Nov'20 (in hrs)	Dec'20 (in hrs)
CFS	89.2	86.9
ICD	123.6	127.5

Green The marked entries showcase increase in performance in comparison to Nov'20

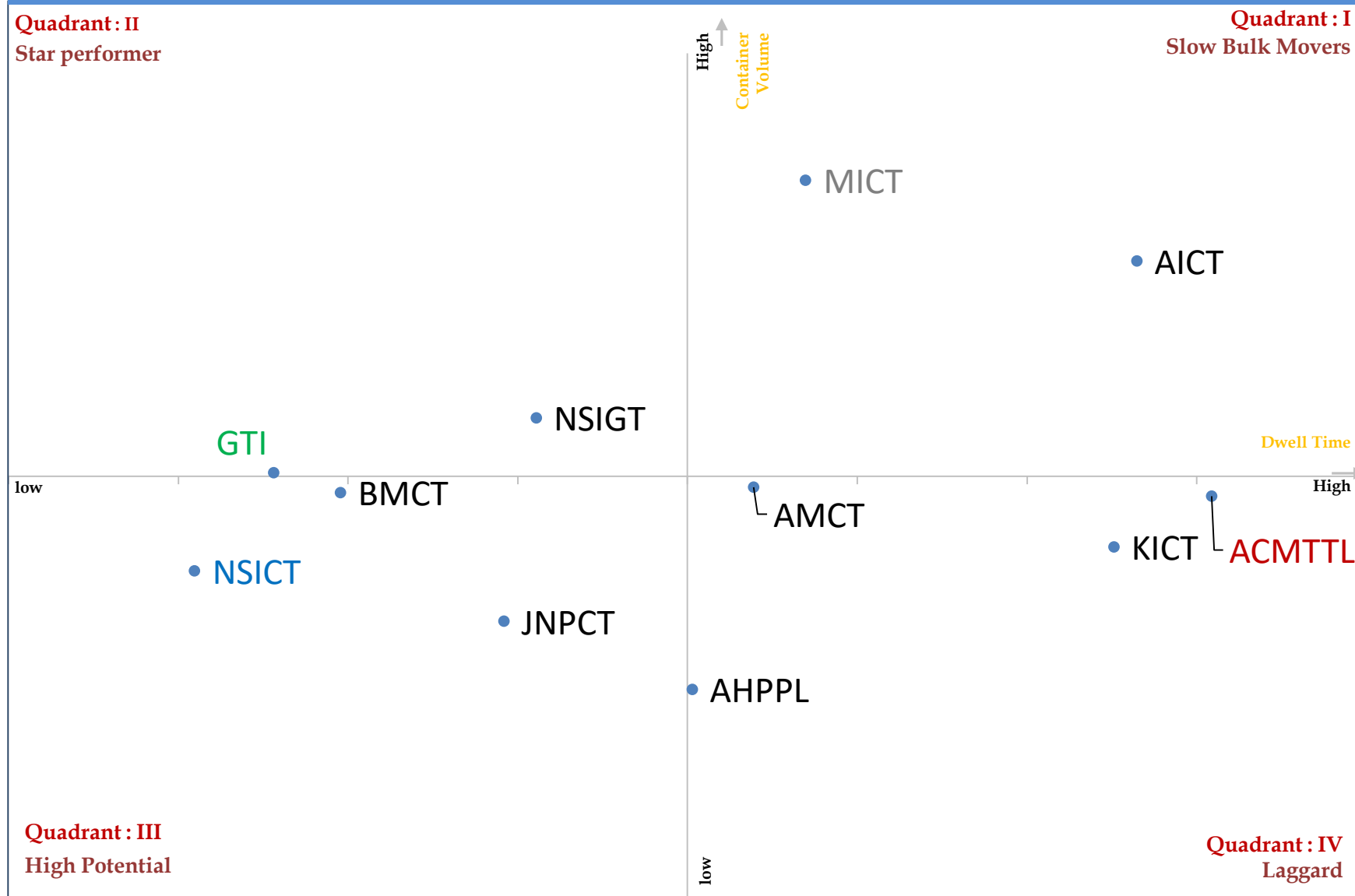
Red The marked entries showcase decrease in performance in comparison to Nov'20



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Dec'2020



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

Top Performing Terminal

Gateway Terminals India (GTI)

Nov'20	Dec'20
17.6 Hrs	34.8 Hrs. ↓

Low Performing Terminal

Adani CMA Mundra Terminal (ACMTTL)

Nov'20	Dec'20
111.0 Hrs	92.8 Hrs ↑

Note: The performance benchmarking is based on performance index



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

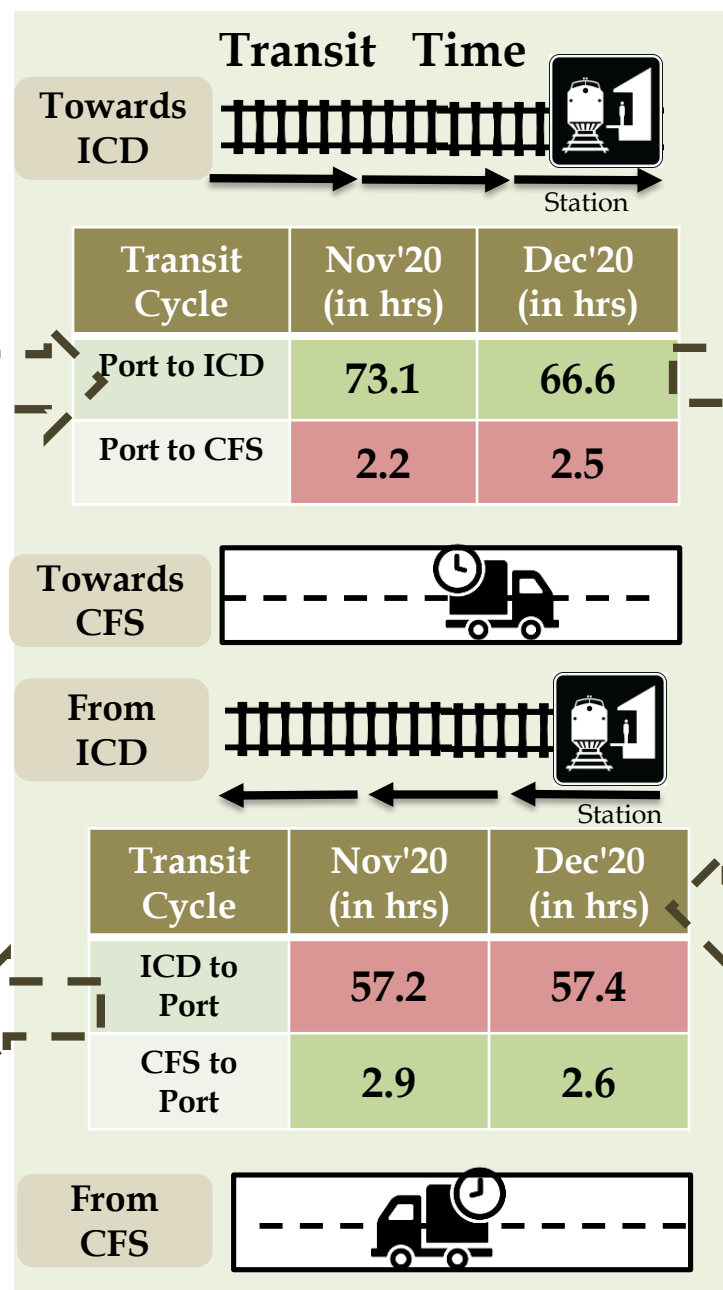
High Potential : consist of entities which have catered relatively lower container volume in lower dwell time

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

Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT	Mode	Nov'20 (in hrs)	Dec'20 (in hrs)
	Overall	21.2	20.8
	Truck	19.8	17.9
	Train	32.4	47.2

Port Dwell Time			
EXPORT	Mode	Nov'20 (in hrs)	Dec'20 (in hrs)
	Overall	75.3	76.6
	Truck	77.0	78.3
	Train	52.5	61.6



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

Entity	Nov'20 (in hrs)	Dec'20 (in hrs)
CFS	89.0	84.2
ICD	123.6	127.5

Volume distribution at port terminal - Truck/Rail

	Truck	Rail
Import	94%	6%
Export	74%	26%

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

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

Container Lifecycle (Export Cycle)

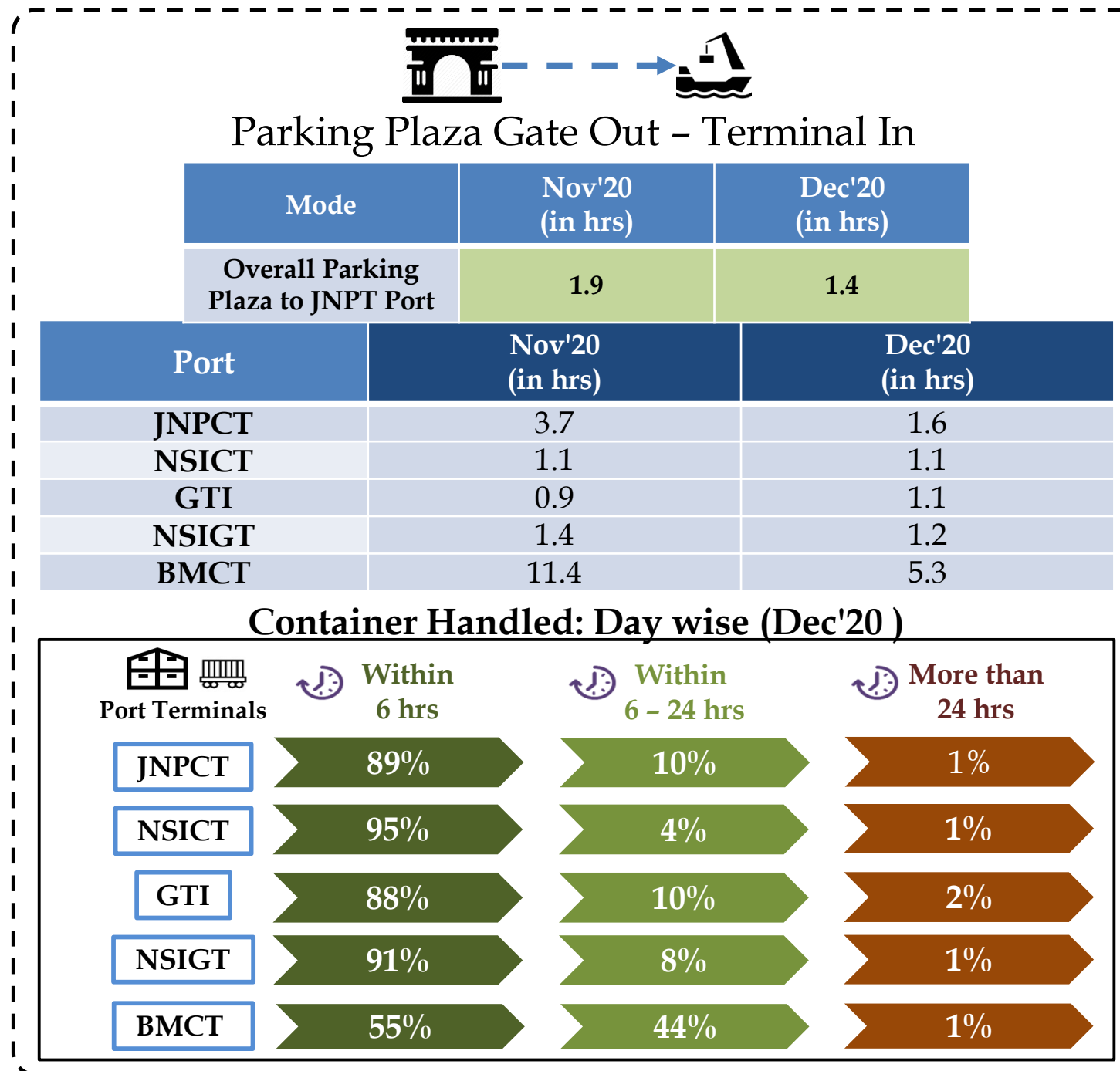
Container Transportation- JNPT Port Terminals

%IMPORT CYCLE DWELL TIME (Dec'20 - in hrs)			Compared to Nov'20
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	20.8	2% ↑
	Port Dwell Time for Truck Bound Containers	17.9	10% ↑
	Port Dwell time for Train Bound Containers	47.2	46% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	34.7	0.12 ↑
	Port Dwell time Containers bound for CFS	17.02	0.10 ↑
	Port Dwell for Empty Containers	21.6	0.07 ↑
	Port Dwell for Laden Containers	20.6	0.01 ↑
TRANSIT TIME	Port to ICD	66.6	9% ↑
	Port to CFS	2.5	14% ↓

EXPORT CYCLE DWELL TIME (Dec'20- in hrs)			Compared to Nov'20
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	76.6	2% ↓
	Port Dwell Time for Truck Bound Containers	78.3	2% ↓
	Port Dwell time for Train Bound Containers	61.6	17% ↓
	Port Dwell time Direct Port Entry (DPE) containers	82.8	0.02 ↓
	Port Dwell time Containers bound from CFS	74.05	-0.01 ↑
	Port Dwell for Empty Containers	79.2	0.03 ↓
	Port Dwell for Laden Containers	76.6	0.00 ↑
TRANSIT TIME	ICD to Port	57.4	0.3% ↓
	CFS to Port	2.6	12% ↑

↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Nov'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	
Nov'20	Dec'20
88.6 hrs	84.3 hrs

Low Performing CFS

Take Care Logistics CFS	
Nov'20	Dec'20
114.4 hrs.	121.6 hrs.

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

Top Performing ICD

Albatross Inland Ports ICD, Dadri	
Nov'20	Dec'20
122.9 hrs	126.8 hrs

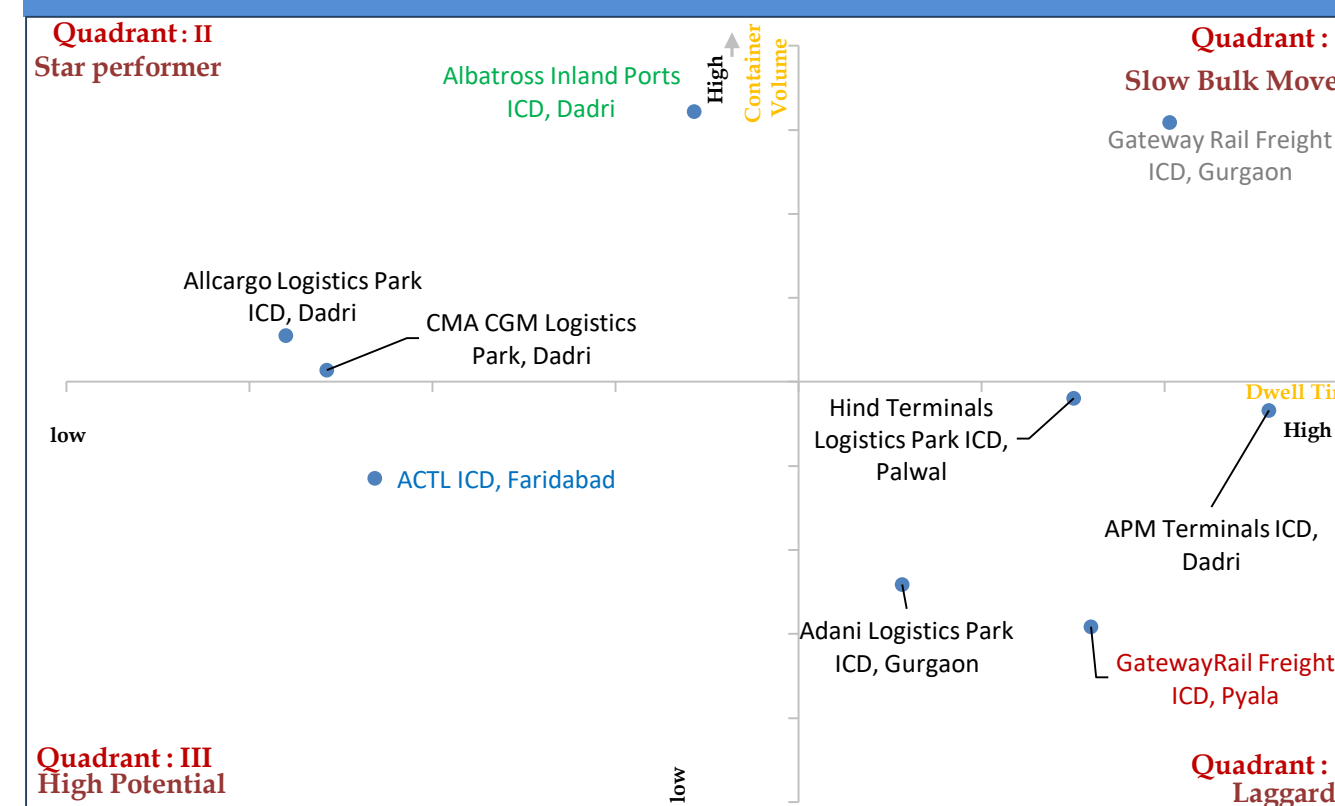
Low Performing ICD

GatewayRail Freight ICD, Pyala	
Nov'20	Dec'20
148.5 hrs	139.8 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

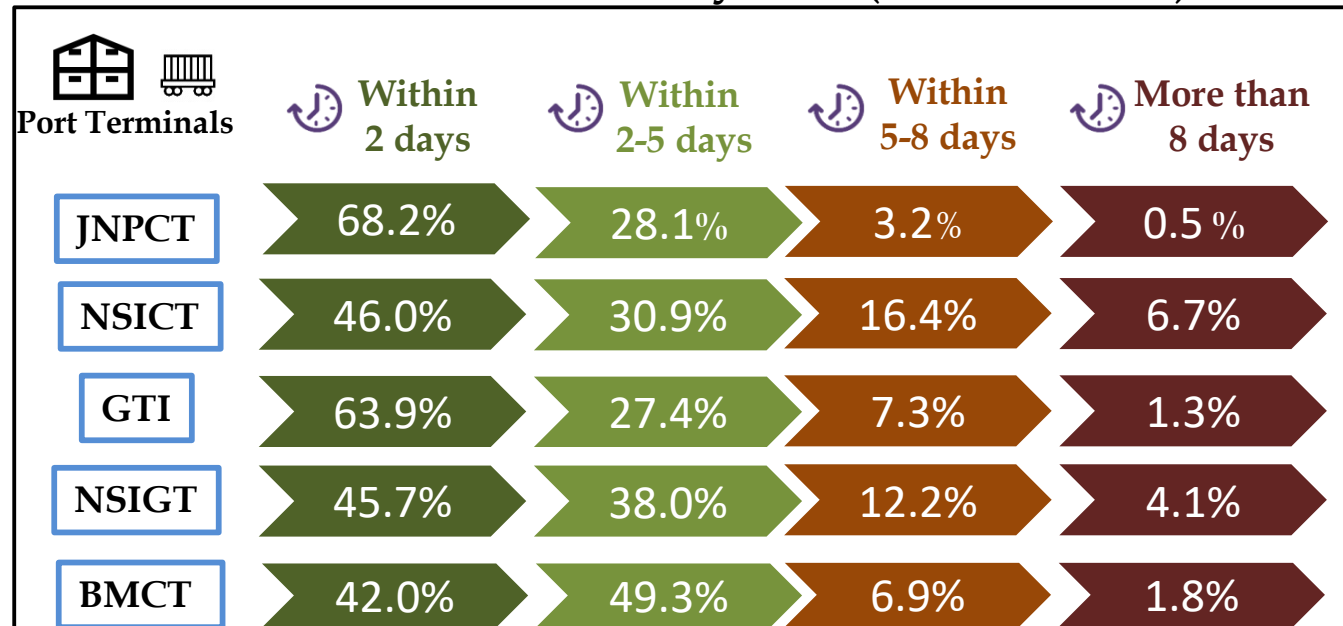
PORT IMPORT via TRAIN

(6% 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	November'20 (in hrs)	December'20 (in hrs)
JNPCT	24.7	33.9
NSICT	30.1	53.2
GTI	38.5	35.7
NSIGT	37.7	55.6
BMCT	31.5	56.7

Container Handled: Day wise (December'20)



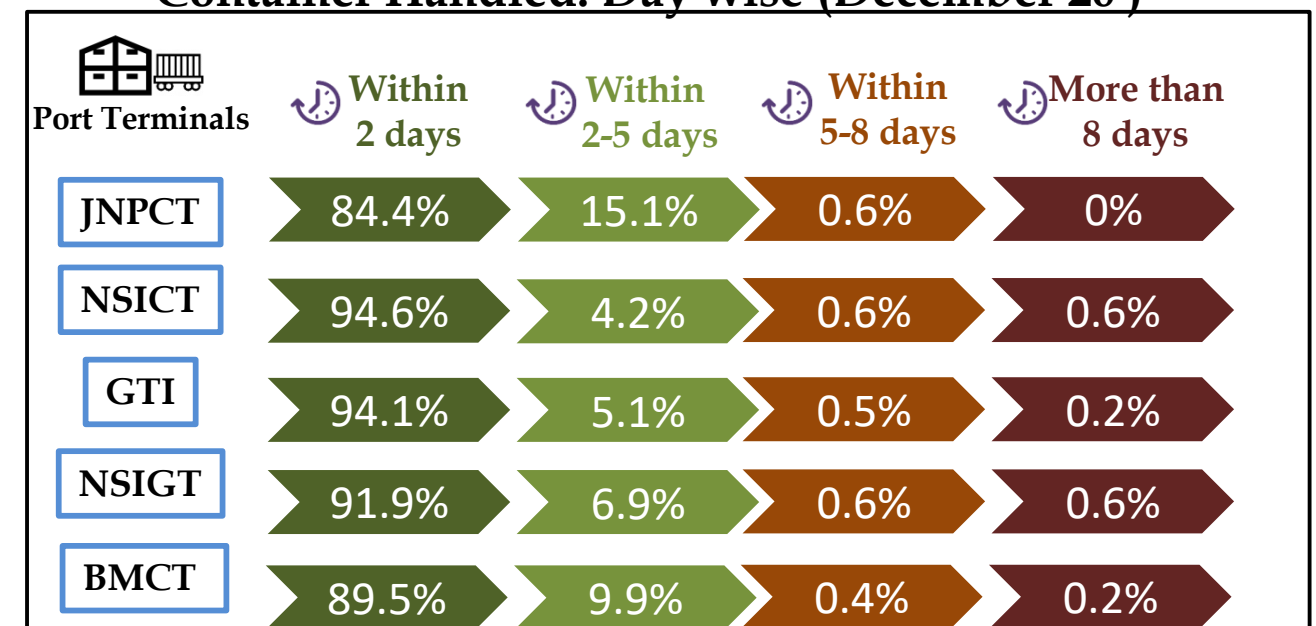
PORT IMPORT via TRUCK

(94% 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	November'20 (in hrs)	December'20 (in hrs)
JNPCT	25.0	27.2
NSICT	19.1	15.1
GTI	14.8	13.6
NSIGT	15.8	16.1
BMCT	20.8	19.6

Container Handled: Day wise (December'20)



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

JNPCT		
Port Dwell time based on transit type		
December'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	36.4 hrs	27.2 hrs
Port Dwell time based on container type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	28.2 hrs	24.7 hrs

GTI		
Port Dwell time based on transit type		
December'20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.3 hrs	11.8 hrs
Port Dwell time based on transit type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	15.8 hrs	21.7 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

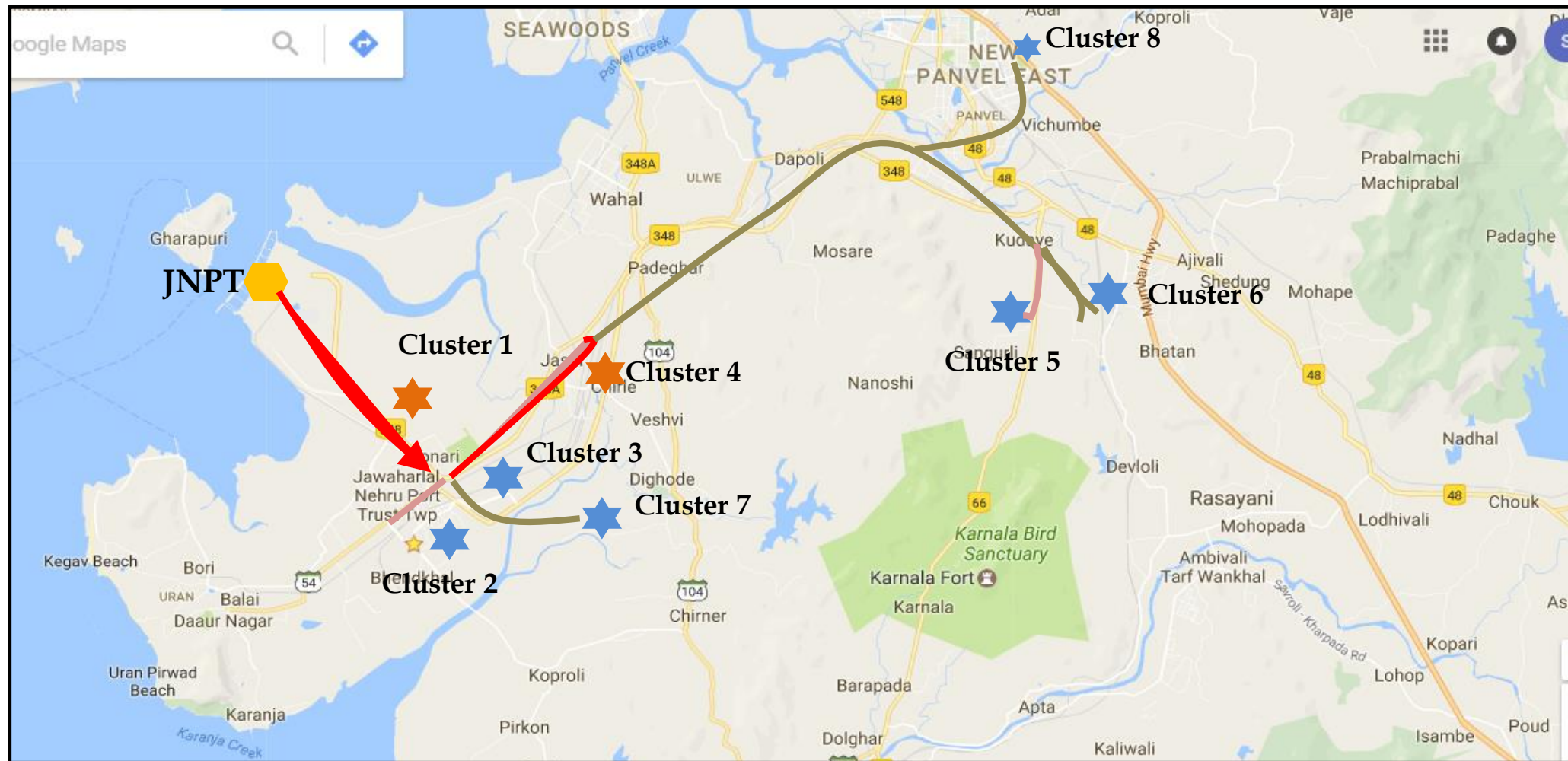
NSICT		
Port Dwell time based on transit type		
December' 20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	43.7 hrs	14.1 hrs
December		
December	Laden Containers	Empty Containers
Dwell time (in hrs)	16.9 hrs	17.3 hrs

NSIGT		
Port Dwell time based on transit type		
December' 20	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	45.8 hrs	14.3 hrs
Port Dwell time based on container type		
December' 20	Laden Containers	Empty Containers
Dwell time (in hrs)	18.1 hrs	21.8 hrs

BMCT		
Port Dwell time based on transit type		
December'2 0	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	32.6 hrs	19.1 hrs
Port Dwell time based on container type		
December'2 0	Laden Containers	Empty Containers
Dwell time (in hrs)	23.5 hrs	29.5 hrs

JNPT Region: Congestion Analysis (Import Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 4	Chirle area , JNPT road

Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari 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 :- [Brown arrow]

JNPCT Terminal

Congestion Level
Import Cycle :- [Pink arrow]

NSICT Terminal

Congestion Level
Import Cycle :- [Pink arrow]

NSIGT Terminal

Congestion Level
Import Cycle :- [Pink arrow]

BMCT Terminal

Congestion Level
Export Cycle :- [Pink arrow]

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

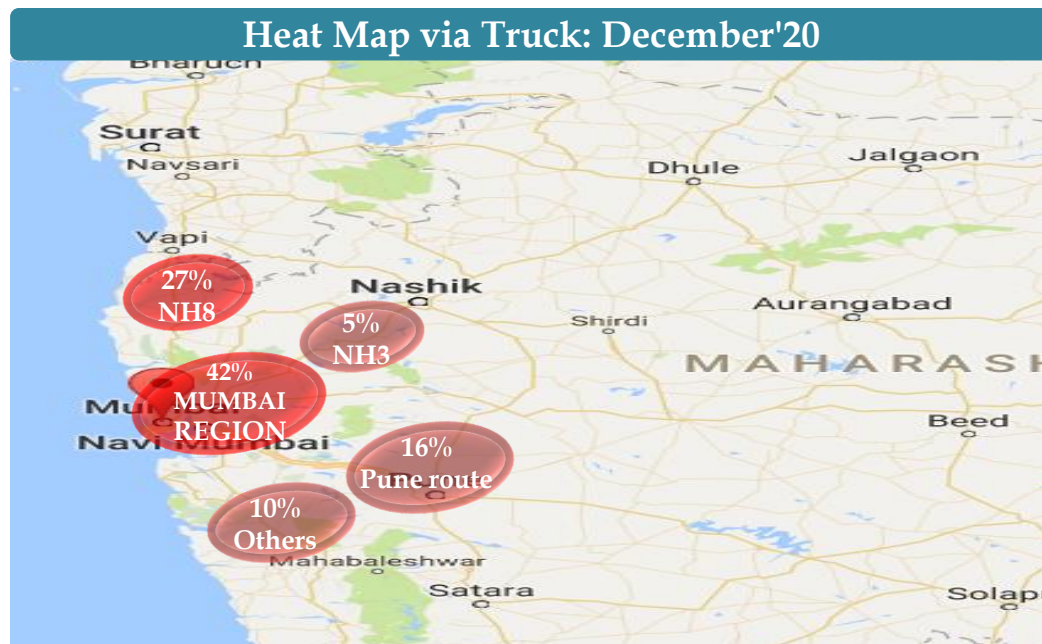
The below table and graphs depict the container movement across JNPT port region in Import cycle

Truck

HEAT MAP : OVERALL MUMBAI REGION

Region	December'20
Mumbai region	42%
NH3	5%
Pune	16%
NH8	27%
others	10%

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

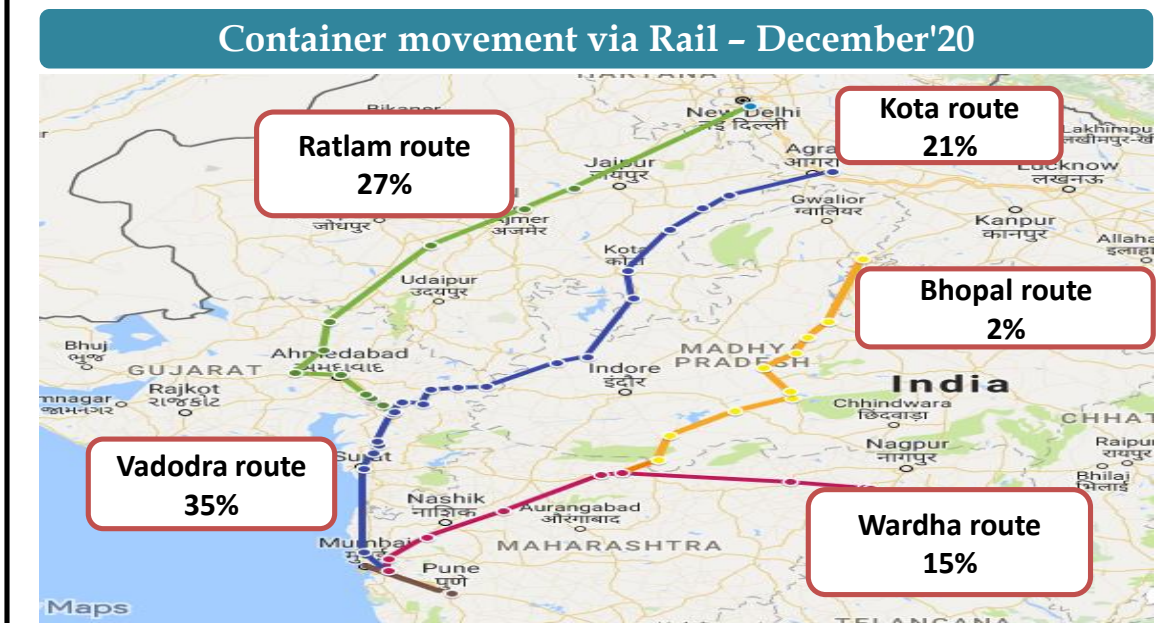


Train

VOLUME WISE CONTAINER MOVEMENT

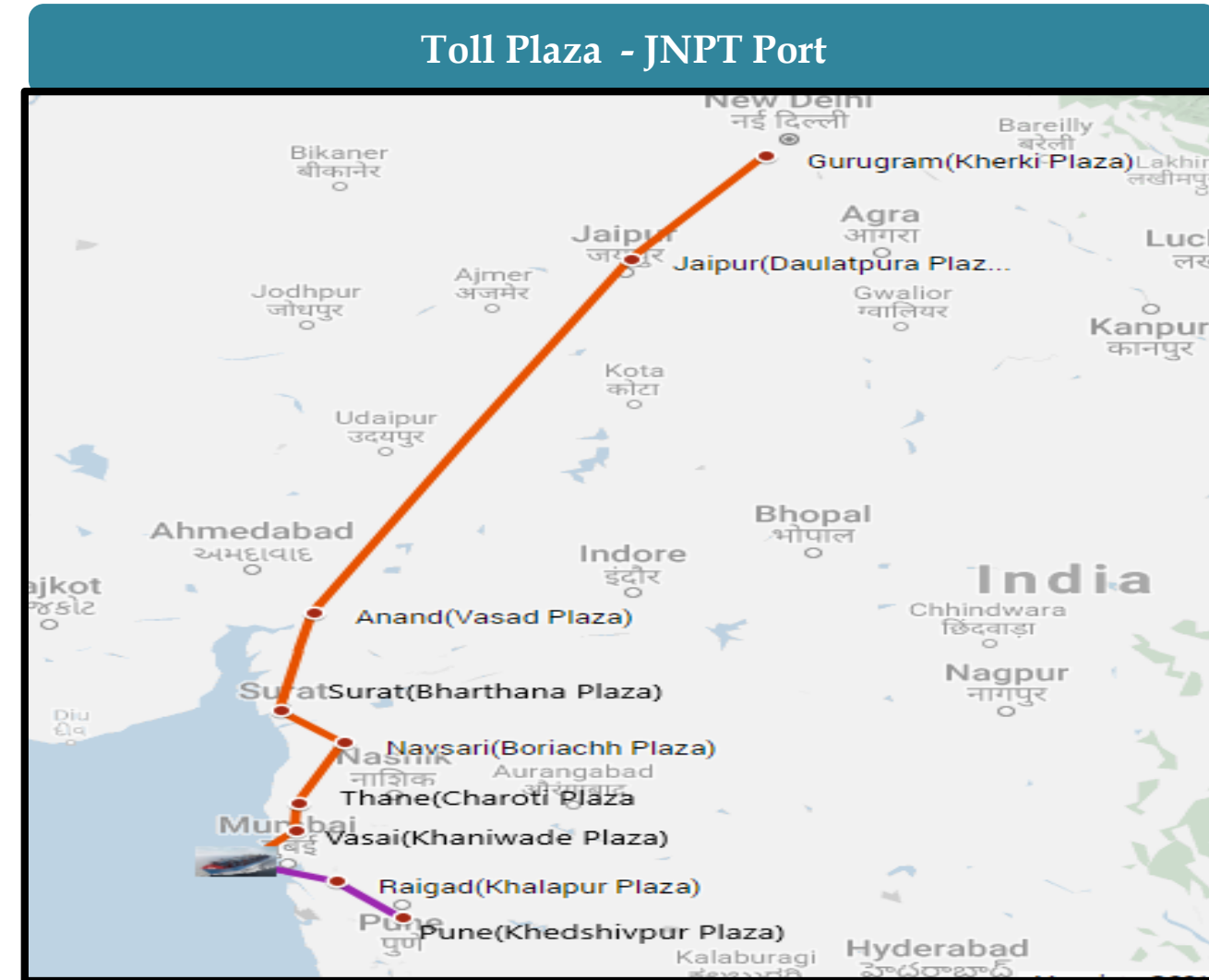
Region	December'20
Vadodra Route	35%
Ratlam Route	27%
Wardha Route	15%
Kota Route	21%
Bhopal Route	2%

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)	Nov'20 (in km/hrs)	Dec'20 (in km/hrs)
JNPT	JNPT	Khaniwade	94	14.7	13.8
	JNPT	Khalapur	60	14.9	12.5
	Khaniwade	Charoti	50	36.4	37.2
	Charoti	Boriach	126	26.3	27.5
	Boriach	Bharthan	142	32.0	31.9
	Bharthan	Vasad	60	39.8	38.8
	Khalalpur	Khedshivpur	105	33.8	32.3
	Daulatpura	Kherki	199	25.0	23.0



Export Cycle Analysis

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

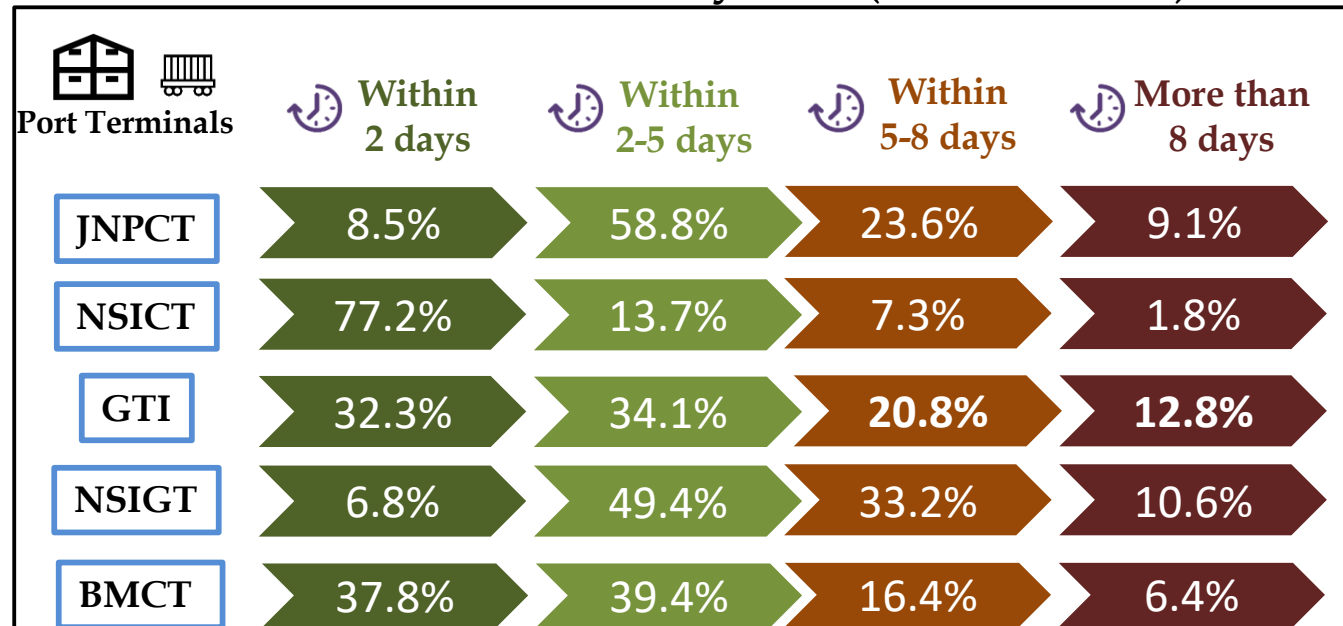
PORT EXPORT via TRAIN

(26% 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	November'20 (in hrs)	December'20 (in hrs)
JNPCT	119.8	106.2
NSICT	6.9	8.1
GTI	22.6	79.8
NSIGT	111.3	111.1
BMCT	86.8	68.8

Container Handled: Day wise (December'20)



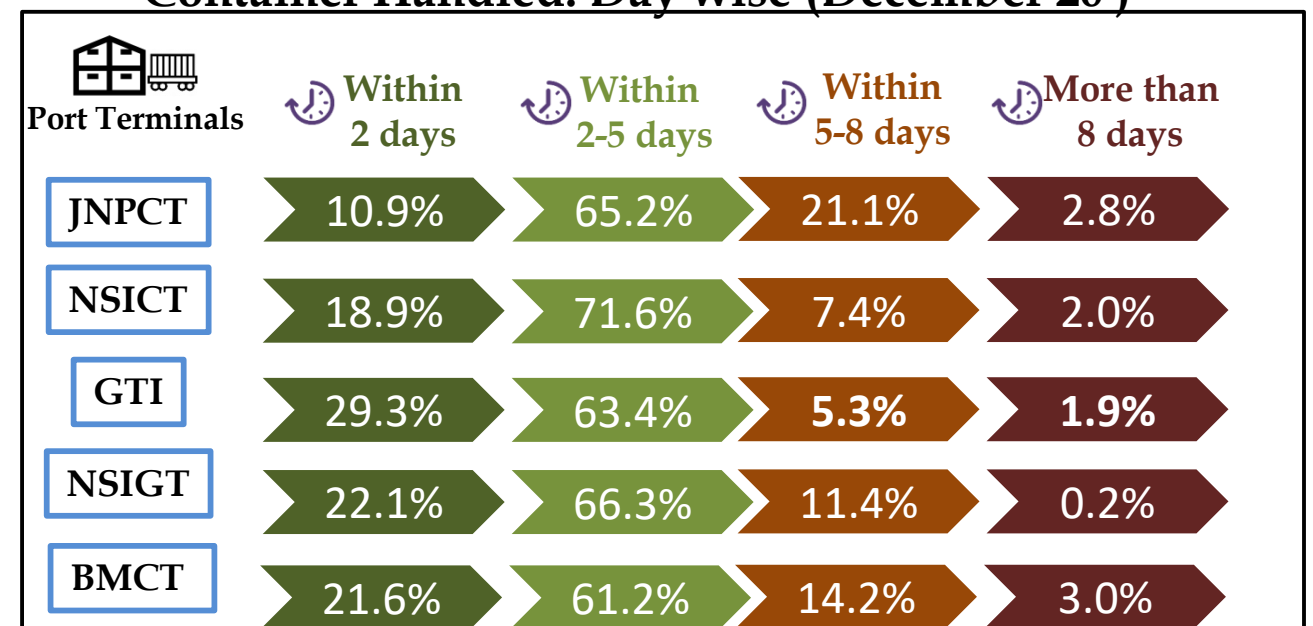
PORT EXPORT via TRUCK

(74% 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	November'20 (in hrs)	December'20 (in hrs)
JNPCT	82.7	89.7
NSICT	70.5	81.1
GTI	82.4	66.8
NSIGT	79.5	78.2
BMCT	73.3	79.5

Container Handled: Day wise (December'20)



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

JNPCT		
Port Dwell time based on transit type		
December'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	88.9 hrs	87.2 hrs
Port Dwell time based on container type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	85.4 hrs	96.2 hrs

GTI		
Port Dwell time based on transit type		
December'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	73.0 hrs	65.8
Port Dwell time based on container type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	73.0 hrs	58.0 hrs

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

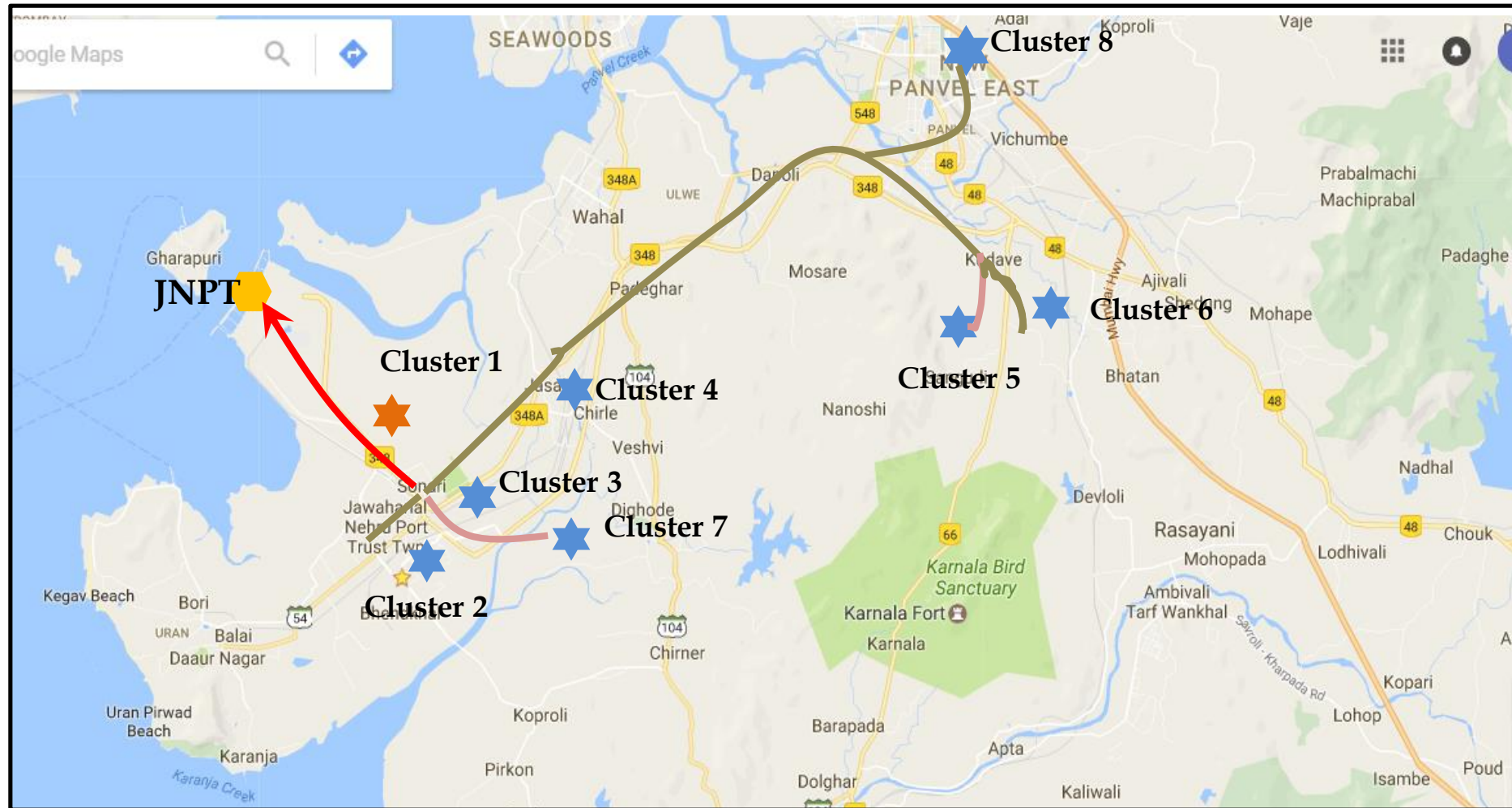
NSICT		
Port Dwell time based on transit type		
December'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	82.7 hrs	78.4 hrs
Port Dwell time based on container type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	72.9 hrs	87.0 hrs

NSIGT		
Port Dwell time based on transit type		
December'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	88.3 hrs	73.9 hrs
Port Dwell time based on container type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	81.3 hrs	53.6 hrs

BMCT		
Port Dwell time based on transit type		
December'20	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	74.4 hrs	71.9 hrs
Port Dwell time based on container type		
December'20	Laden Containers	Empty Containers
Dwell time (in hrs)	71.4 hrs	83.7 hrs

JNPT Region: Congestion Analysis (Export Cycle)

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



Clusters with bottleneck

CLUSTER 1	JNPT Area
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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 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPT road
CLUSTER 8	Taloja, Navi Mumbai

Legends

- High Congestion (Red line)
- Medium Congestion (Brown line)
- Low Congestion (Pink line)
- Cluster with bottleneck (Red 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]

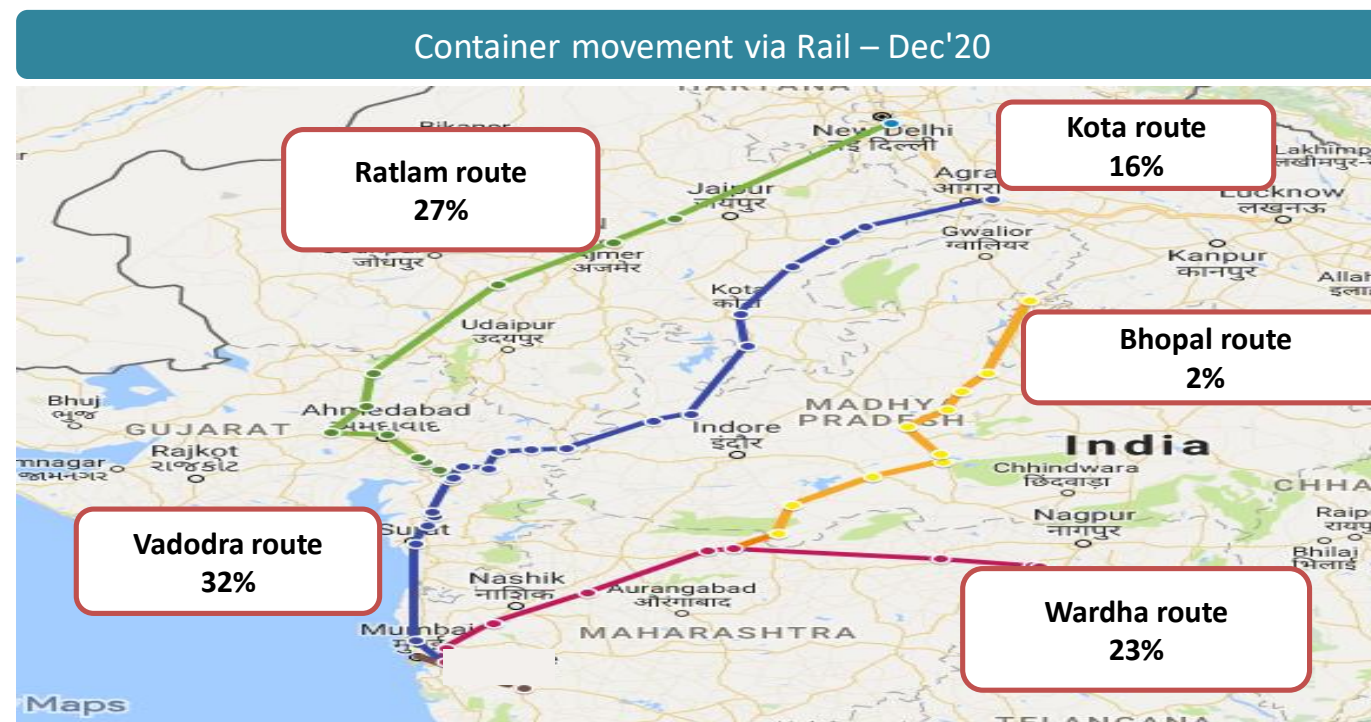
BMCT Terminal

Congestion Level
Export Cycle :- [Brown 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	32%
Ratlam Route	27%
Wardha Route	23%
Kota Route	16%
Bhopal Route	2%

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



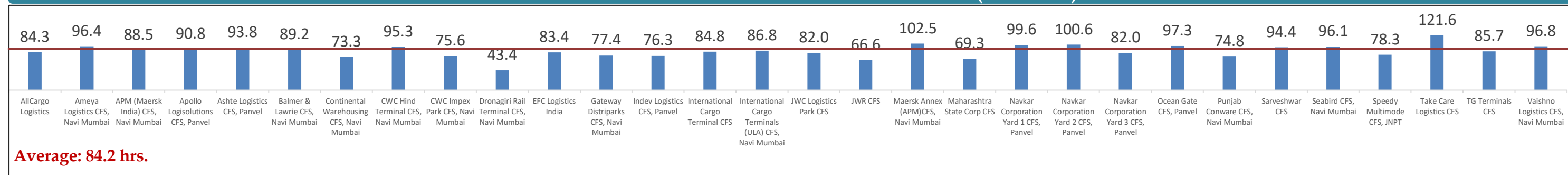
CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

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

CFS Dwell Time (in hrs.)					
CFS	Nov'20 (in hrs)	Dec'20 (in hrs)	CFS	Nov'20 (in hrs)	Dec'20 (in hrs)
AllCargo Logistics	88.6	84.3	JWC Logistics Park CFS	82.4	82.0
Ameya Logistics CFS, Navi Mumbai	92.4	96.4	JWR CFS	69.4	66.6
APM (Maersk India) CFS, Navi Mumbai	92.0	88.5	Maersk Annex (APM)CFS, Navi Mumbai	95.1	102.5
Apollo Logisolutions CFS, Panvel	92.6	90.8	Maharashtra State Corp CFS	90.0	69.3
Ashte Logistics CFS, Panvel	94.9	93.8	Navkar Corporation Yard 1 CFS, Panvel	99.0	99.6
Balmer & Lawrie CFS, Navi Mumbai	94.2	89.2	Navkar Corporation Yard 2 CFS, Panvel	98.1	100.6
Continental Warehousing CFS, Navi Mumbai	78.4	73.3	Navkar Corporation Yard 3 CFS, Panvel	86.9	82.0
CWC Hind Terminal CFS, Navi Mumbai	95.8	95.3	Ocean Gate CFS, Panvel	97.3	97.3
CWC Impex Park CFS, Navi Mumbai	63.3	75.6	Punjab Conware CFS, Navi Mumbai	77.8	74.8
Dronagiri Rail Terminal CFS, Navi Mumbai	47.0	43.4	Sarveshwar CFS	101.4	94.4
EFC Logistics India	92.8	83.4	Seabird CFS, Navi Mumbai	99.8	96.1
Gateway Distriparks CFS, Navi Mumbai	77.0	77.4	Speedy Multimode CFS, JNPT	90.2	78.3
Indev Logistics CFS, Panvel	79.9	76.3	Take Care Logistics CFS	114.4	121.6
International Cargo Terminal CFS	97.3	84.8	TG Terminals CFS	86.9	85.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	94.3	86.8	Vaishno Logistics CFS, Navi Mumbai	97.5	96.8

CFS - DWELL OVERVIEW - DECEMBER'20 (IN HRS)

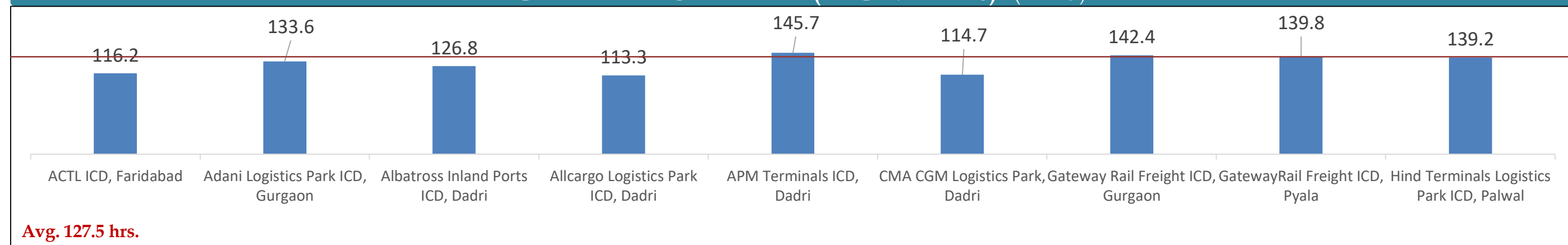


ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Nov'20 (in hrs)	Dec'20 (in hrs)
ACTL ICD, Faridabad	142.2	116.2
Adani Logistics Park ICD, Gurgaon	137.4	133.6
Albatross Inland Ports ICD, Dadri	122.9	126.8
Allcargo Logistics Park ICD, Dadri	96.4	113.3
APM Terminals ICD, Dadri	116.1	145.7
CMA CGM Logistics Park, Dadri	118.8	114.7
Gateway Rail Freight ICD, Gurgaon	106.7	142.4
GatewayRail Freight ICD, Pyala	148.5	139.8
Hind Terminals Logistics Park ICD, Palwal	136.7	139.2

ICD - DWELL OVERVIEW (DECEMBER'20) (In Hrs)

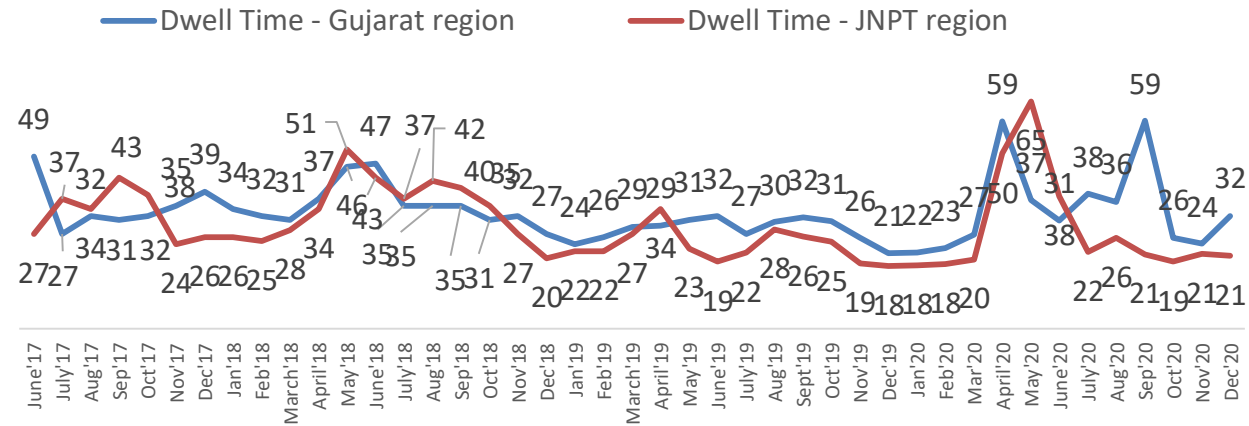


Trend Analysis

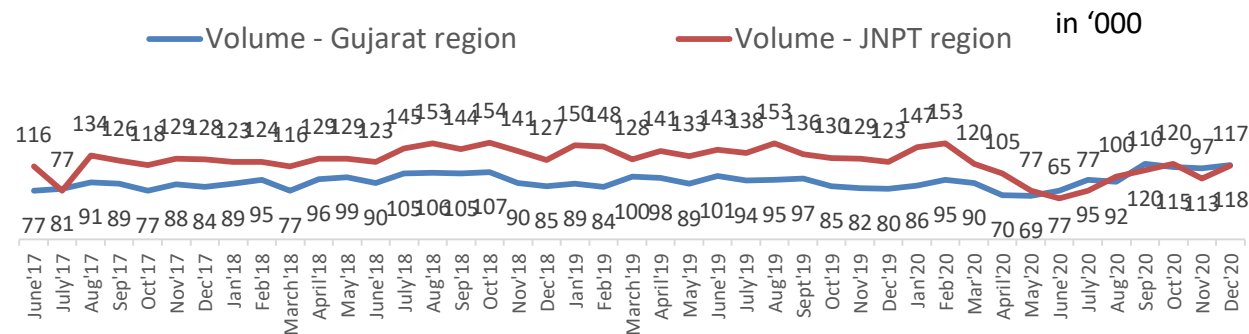
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until December'20

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



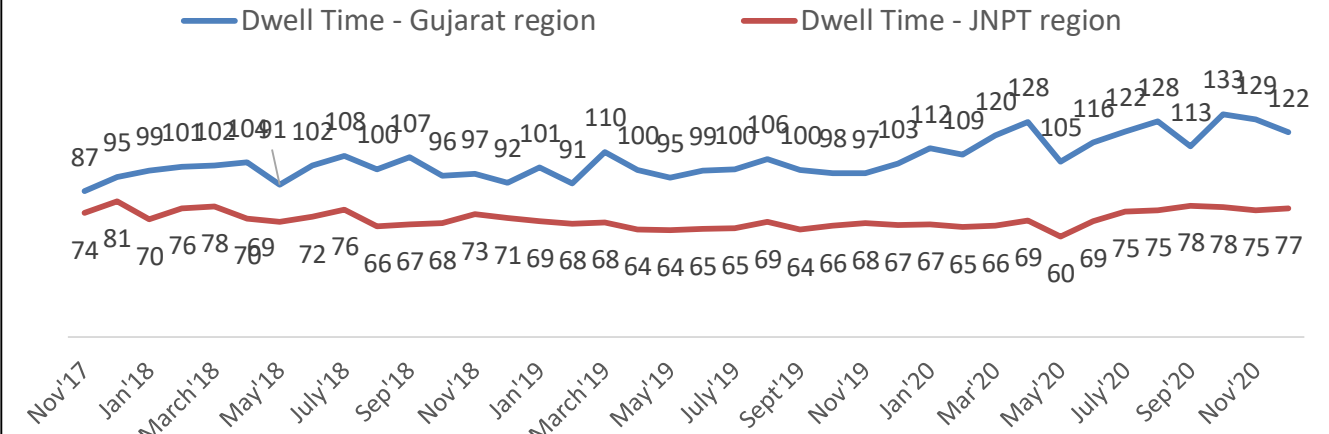
Volume – Gujarat Region Vs JNPT Region



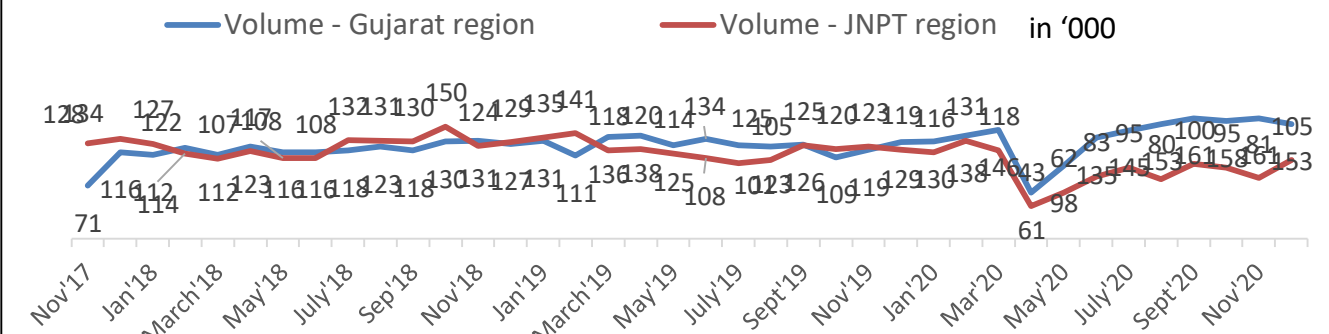
In Import cycle, for the month of December'20 JNPT port has catered 1% less volume than APSEZ Port, and has maintained 35% lower dwell time than APSEZ Port

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region



Volume – Gujarat Region Vs JNPT Region

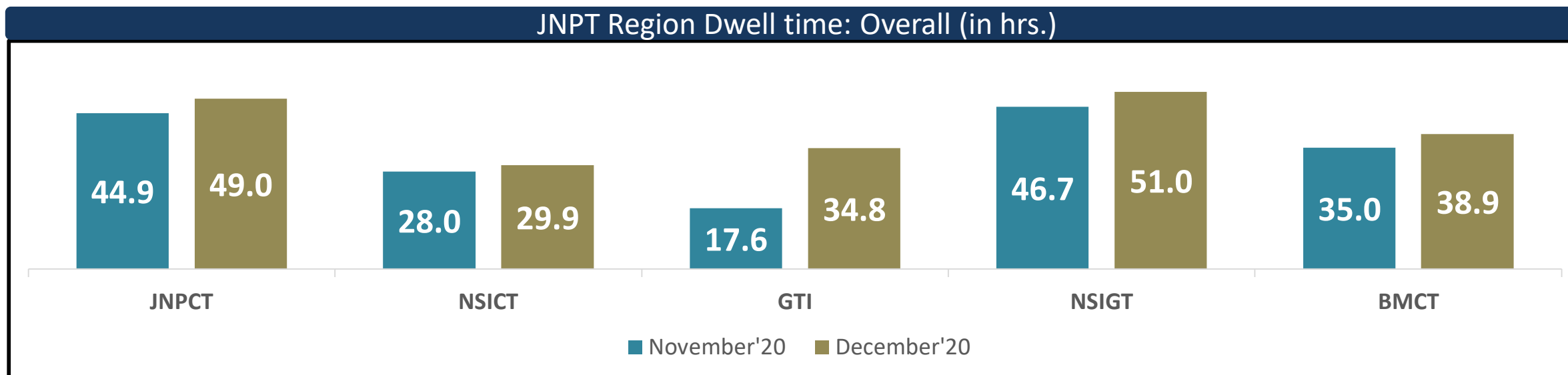


In Export cycle, for the month December'20 JNPT port catered 31% less volume than APSEZ Port, and has maintained 37% lower dwell time than APSEZ Port

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

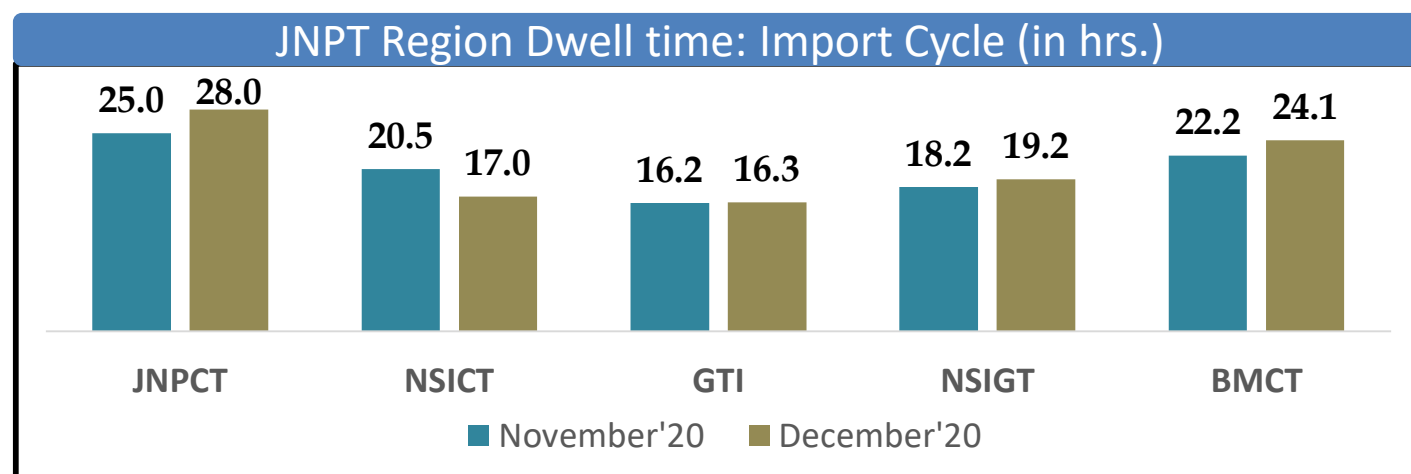


The overall JNPT region average dwell time for Dec'20 is **40.7 hrs** as compared to **37.1 hrs** in Nov'20

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

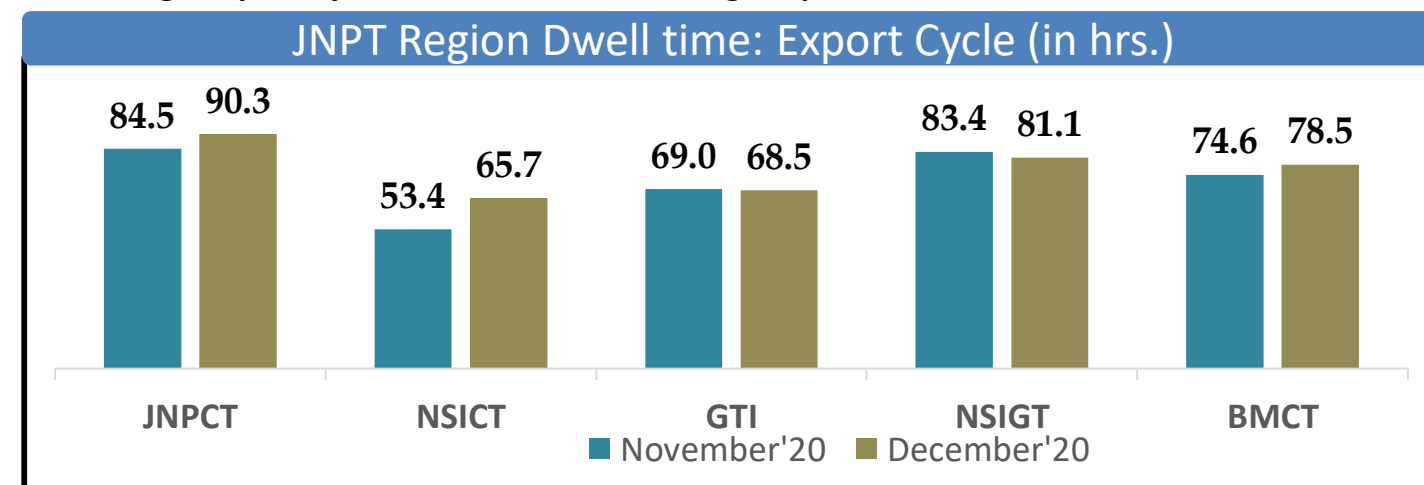
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for December'20 is **20.9 hrs.**



JNPT Export cycle Trend

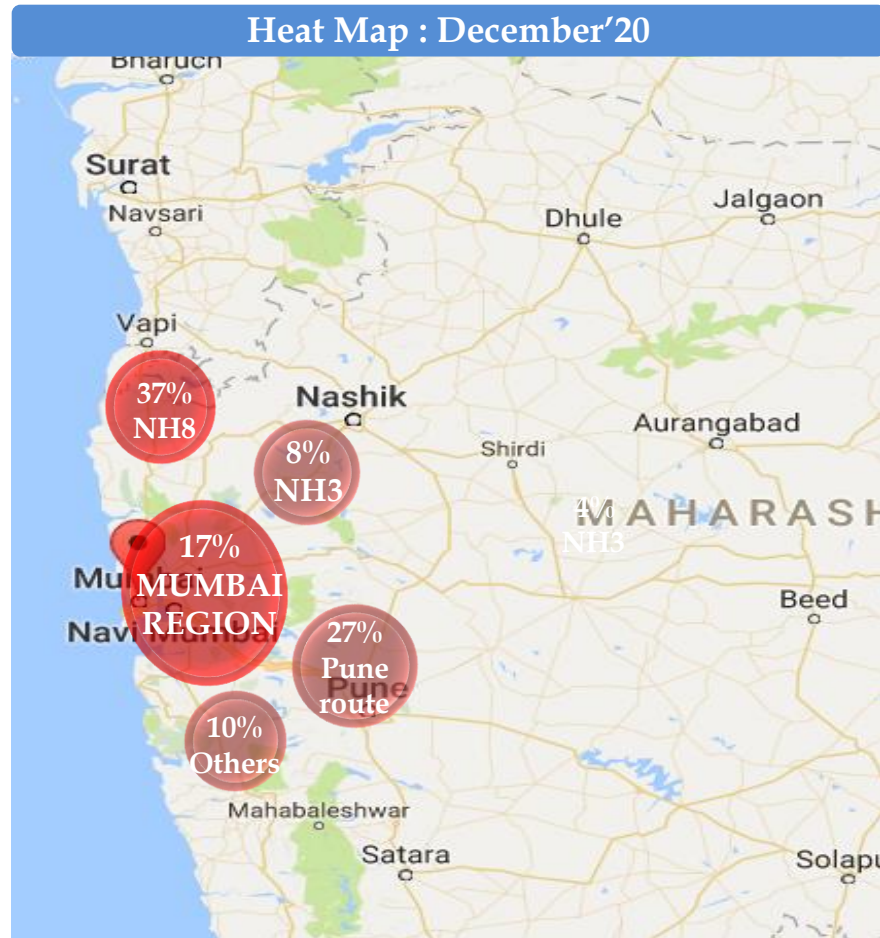
The average export cycle dwell time of JNPT region port terminals for December'20 is **76.8 hrs.**



ANNEXURE

Container movement around JNPT Port terminal region via Truck

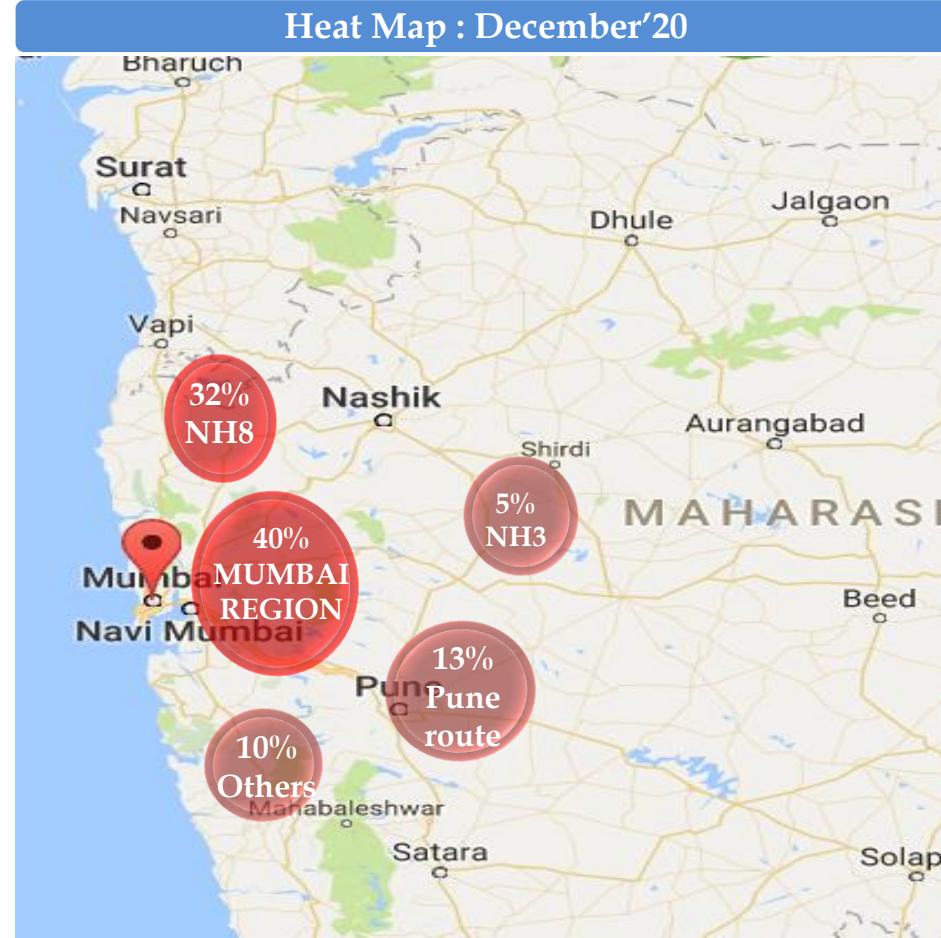
HEAT MAP : GTI Port Terminal



Region	Nov'20	Dec'20
Mumbai region	43%	17%
NH3	8%	8%
Pune	10%	27%
NH8	29%	37%
others	10%	10%

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

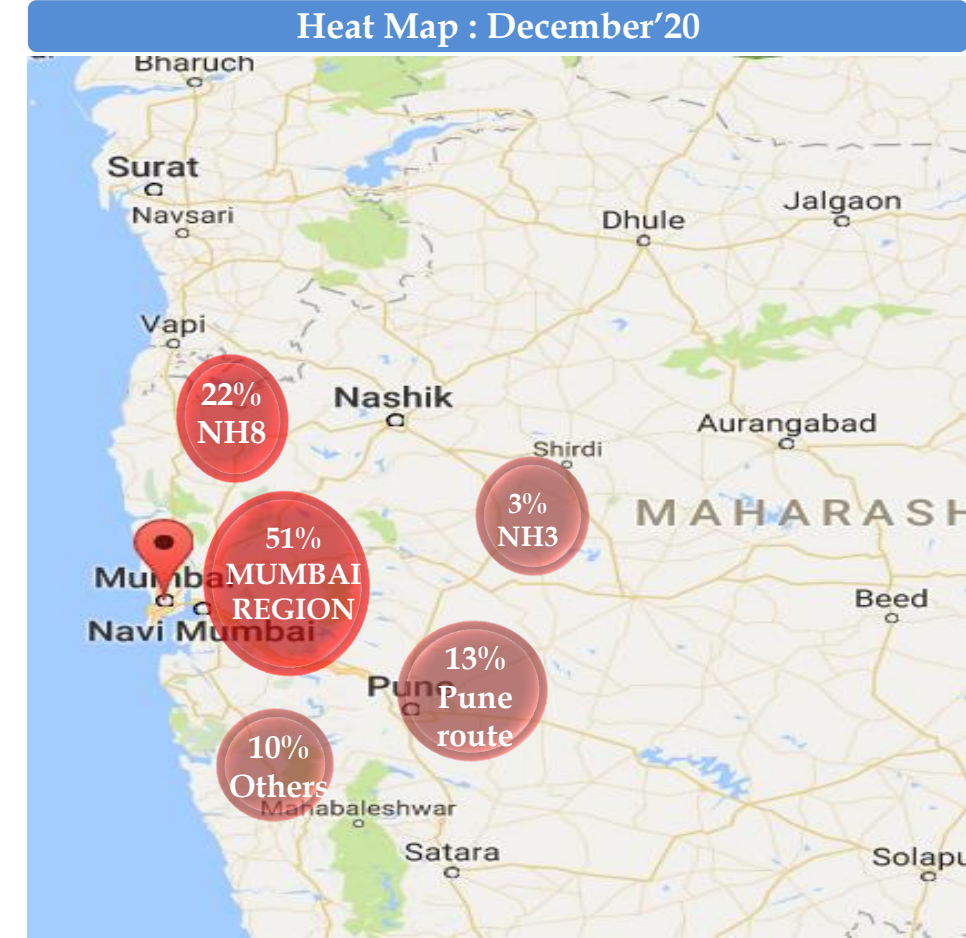
HEAT MAP : JNPCT Port Terminal



Region	Nov'20	Dec'20
Mumbai region	66%	40%
NH3	3%	5%
Pune	3%	13%
NH8	19%	32%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal



Region	Nov'20	Dec'20
Mumbai region	68%	51%
NH3	3%	3%
Pune	4%	13%
NH8	15%	22%
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

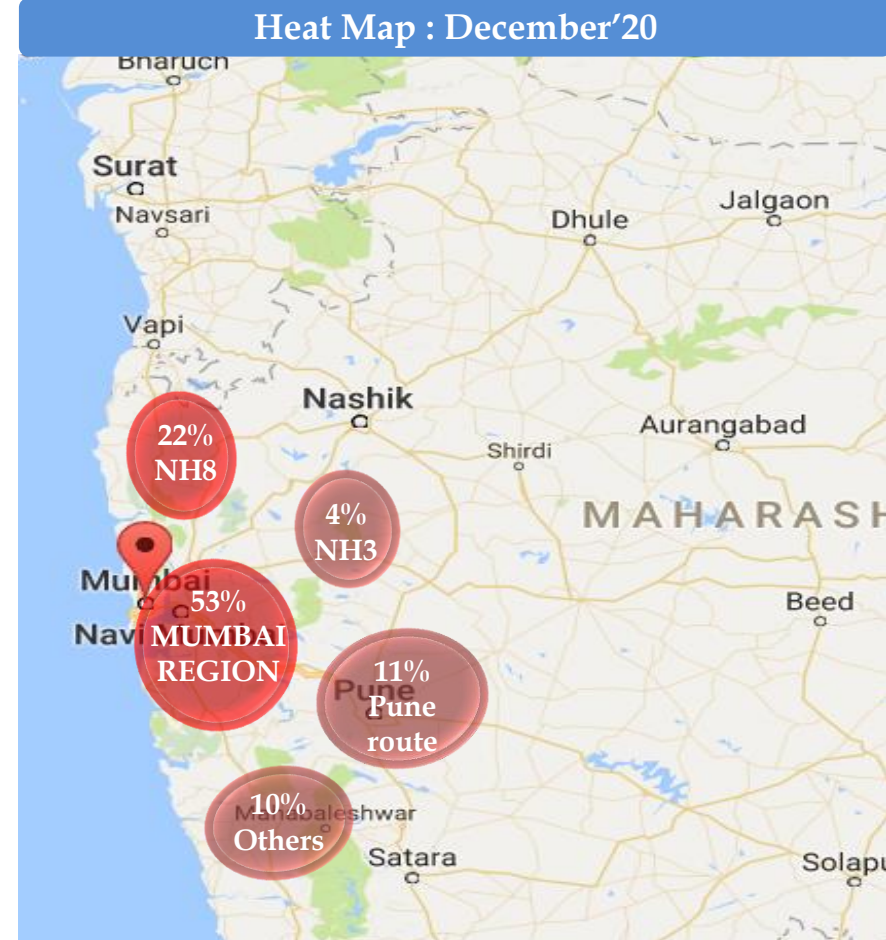
HEAT MAP : NSIGT Port Terminal



Region	Nov'20	Dec'20
Mumbai region	68%	51%
NH3	4%	5%
Pune	3%	14%
NH8	15%	20%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Nov'20	Dec'20
Mumbai region	69%	53%
NH3	4%	4%
Pune	3%	11%
NH8	14%	22%
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	Dec'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	1.7
APM (Maersk India) CFS, Navi Mumbai	1.1
Internation Cargo Terminal CFS	1.1
Ameya Logistics CFS, Navi Mumbai	1.0
Transindia Logistics Park, Navi Mumbai	1.1
Indev Logistics CFS, Panvel	-
Navkar Corporation Yard 3 CFS, Panvel	1.3
Seabird CFS, Navi Mumbai	1.1
Balmer & Lawrie CFS, Navi Mumbai	1.1
Ashte Logistics CFS, Panvel	-
Continental Warehousing CFS, Navi Mumbai	1.1
CWC Hind Terminal CFS, Navi Mumbai	1.1
Dronogiri Rail Terminal CFS, Navi Mumbai	-
Navkar Corporation Yard 1 CFS, Panvel	-
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.7
Maersk Annex (APM)CFS, Navi Mumbai	1.0
Speedy Multimode CFS, JNPT	1.0
Apollo Logisolutions CFS, Panvel	-
Navkar Corporation Yard 2 CFS, Panvel	-
Punjab Conware CFS, Navi Mumbai	1.3
Vaishno Logistics CFS, Navi Mumbai	-
JWC Logistics Park CFS	1.0
SBW Logistics CFS, Navi Mumbai	-
Ocean Gate CFS, Panvel	3.5
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	Dec'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.2
APM (Maersk India) CFS, Navi Mumbai	2.1
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.6
Indev Logistics CFS, Panvel	3.6
Navkar Corporation Yard 3 CFS, Panvel	4.0
Seabird CFS, Navi Mumbai	2.3
Balmer & Lawrie CFS, Navi Mumbai	1.7
Ashte Logistics CFS, Panvel	2.6
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	1.6
Dronogiri Rail Terminal CFS, Navi Mumbai	3.6
Navkar Corporation Yard 1 CFS, Panvel	5.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.7
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	1.8
Apollo Logisolutions CFS, Panvel	3.2
Navkar Corporation Yard 2 CFS, Panvel	4.5
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	2.4
JWC Logistics Park CFS	2.5
SBW Logistics CFS, Navi Mumbai	4.9
Ocean Gate CFS, Panvel	3.4
Maharashtra State Corp CFS	1.3

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	Dec'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.7
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.6
Transindia Logistics Park, Navi Mumbai	2.7
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	4.8
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	1.9
Ashte Logistics CFS, Panvel	3.4
Continental Warehousing CFS, Navi Mumbai	2.3
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	5.9
Navkar Corporation Yard 1 CFS, Panvel	5.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	2.2
Speedy Multimode CFS, JNPT	1.7
Apollo Logisolutions CFS, Panvel	3.8
Navkar Corporation Yard 2 CFS, Panvel	6.0
Punjab Conware CFS, Navi Mumbai	2.4
Vaishno Logistics CFS, Navi Mumbai	4.6
JWC Logistics Park CFS	4.2
SBW Logistics CFS, Navi Mumbai	4.4
Ocean Gate CFS, Panvel	3.5
Maharashtra State Corp CFS	41.6

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	Dec'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	3.5
APM (Maersk India) CFS, Navi Mumbai	2.4
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.3
Transindia Logistics Park, Navi Mumbai	2.4
Indev Logistics CFS, Panvel	3.5
Navkar Corporation Yard 3 CFS, Panvel	5.1
Seabird CFS, Navi Mumbai	2.9
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	2.6
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	7.7
Navkar Corporation Yard 1 CFS, Panvel	4.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	2.6
Speedy Multimode CFS, JNPT	3.0
Apollo Logisolutions CFS, Panvel	3.7
Navkar Corporation Yard 2 CFS, Panvel	7.5
Punjab Conware CFS, Navi Mumbai	3.0
Vaishno Logistics CFS, Navi Mumbai	3.0
JWC Logistics Park CFS	3.2
SBW Logistics CFS, Navi Mumbai	4.4
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	30.7

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	Dec'20 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.8
APM (Maersk India) CFS, Navi Mumbai	1.9
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.4
Transindia Logistics Park, Navi Mumbai	2.3
Indev Logistics CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	4.1
Seabird CFS, Navi Mumbai	2.4
Balmer & Lawrie CFS, Navi Mumbai	2.7
Ashte Logistics CFS, Panvel	2.8
Continental Warehousing CFS, Navi Mumbai	1.8
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	2.1
Navkar Corporation Yard 1 CFS, Panvel	5.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0
Maersk Annex (APM)CFS, Navi Mumbai	2.2
Speedy Multimode CFS, JNPT	2.0
Apollo Logisolutions CFS, Panvel	3.1
Navkar Corporation Yard 2 CFS, Panvel	5.5
Punjab Conware CFS, Navi Mumbai	2.9
Vaishno Logistics CFS, Navi Mumbai	5.4
JWC Logistics Park CFS	2.3
SBW Logistics CFS, Navi Mumbai	9.5
Ocean Gate CFS, Panvel	3.3
Maharashtra State Corp CFS	10.5

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 NSICT, NSIGT and BMCT terminal

CFS Cluster : NSICT Terminal

CFS Cluster : NSIGT Terminal

CFS Cluster : BMCT Terminal

NSICT terminal for month of Dec'20

NSIGT terminal for month of Dec'20






BMCT terminal for month of Dec'20

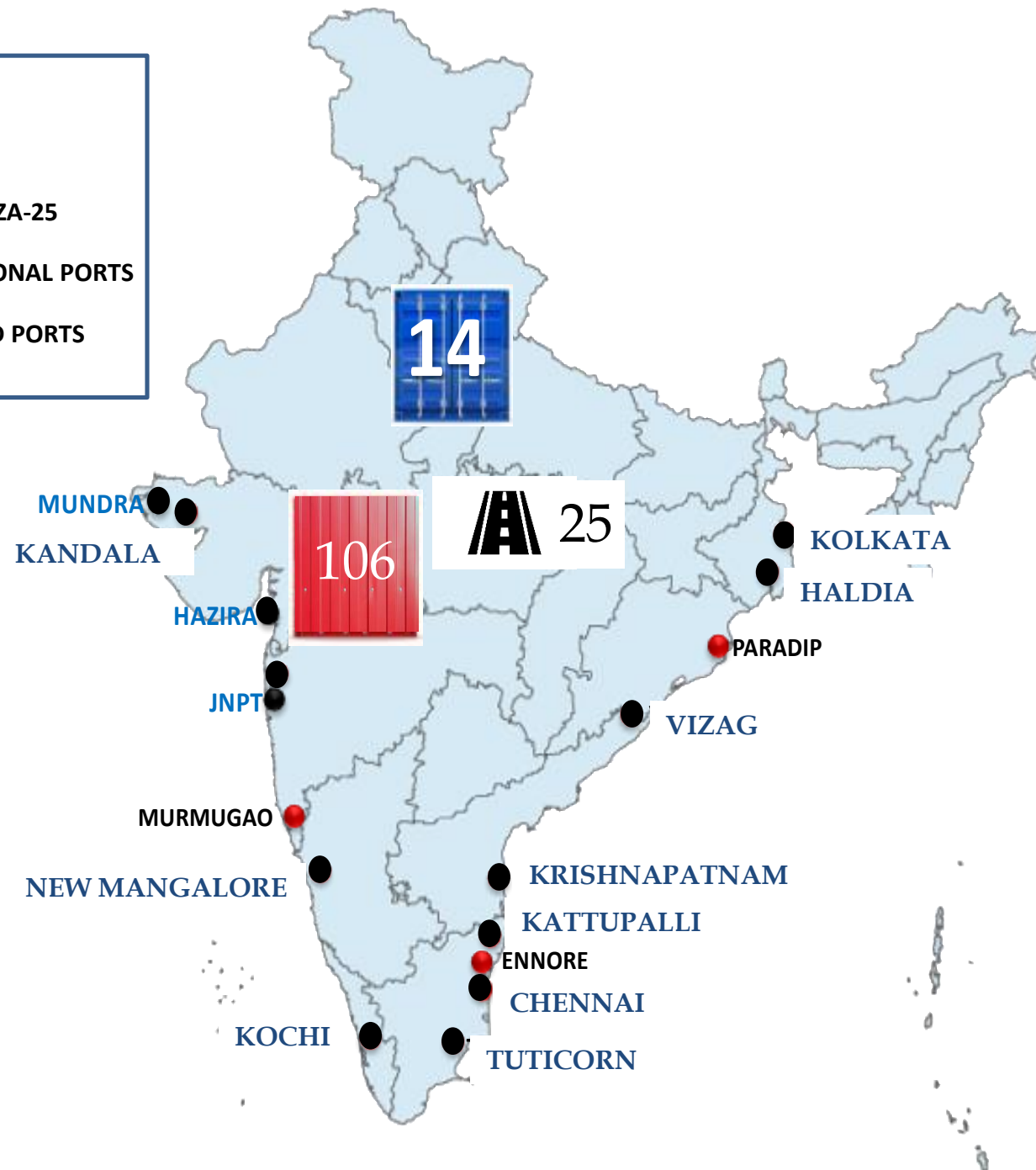
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.7	2.1
Cluster 2	6	13	1.9	1.9
Cluster 3	6	11	4.2	1.9
Cluster 4	1	13	4.6	0.0
Cluster 5	2	25	3.8	2.4
Cluster 6	6	25	4.4	3.7
Cluster 7	4	12	2.6	1.9
Cluster 8	1	34	4.4	5.1

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	3.0	1.8
Cluster 2	6	13	2.0	2.0
Cluster 3	6	11	2.0	1.9
Cluster 4	1	13	3.0	2.3
Cluster 5	2	25	3.1	2.2
Cluster 6	6	25	4.1	3.1
Cluster 7	4	12	2.4	1.8
Cluster 8	1	34	4.4	8.1

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	4.0
Cluster 2	6	13	2.0	4.0
Cluster 3	6	11	2.0	4.2
Cluster 4	1	13	5.4	3.6
Cluster 5	2	25	2.8	5.0
Cluster 6	6	25	3.9	6.9
Cluster 7	4	12	2.3	3.8
Cluster 8	1	34	9.5	18.6

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**

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



Below mentioned are all the CFS in the respective Clusters :

<p style="text-align: center;">Cluster 1 (JNPT Area)</p> <ul style="list-style-type: none"> Speedy Multimode CFS, JNPT 	<p style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">Cluster 4 (Chirle area, JNPT road)</p> <ul style="list-style-type: none"> Vaishno Logistics CFS, Navi Mumbai 	<p style="text-align: center;">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 style="text-align: center;">Cluster 5 (Plaspa area, Coachi kanyakumari Highway)</p> <ul style="list-style-type: none"> JWC Logistics Park CFS Ocean Gate CFS, Panvel 	
	<p style="text-align: center;">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	Maharashtra State Corp CFS
5	Ashte Logistics CFS, Panvel	20	Navkar Corporation Yard 1 CFS, Panvel
6	Balmer & Lawrie CFS, Navi Mumbai	21	Navkar Corporation Yard 2 CFS, Panvel
7	Continental Warehousing CFS, Navi Mumbai	22	Navkar Corporation Yard 3 CFS, Panvel
8	CWC Hind Terminal CFS, Navi Mumbai	23	Ocean Gate CFS, Panvel
9	CWC Impex Park CFS, Navi Mumbai	24	Punjab Conware CFS, Navi Mumbai
10	Dronagiri Rail Terminal CFS, Navi Mumbai	25	Sarveshwar CFS
11	EFC Logistics India	26	Seabird CFS, Navi Mumbai
12	Gateway Distriparks CFS, Navi Mumbai	27	Speedy Multimode CFS, JNPT
13	Indev Logistics CFS, Panvel	28	Take Care Logistics CFS
14	International Cargo Terminal CFS	29	TG Terminals CFS
15	International Cargo Terminals (ULA) CFS, Navi Mumbai	30	Vaishno Logistics CFS, Navi Mumbai



THANK YOU