

Logistics Databank Analytics Report- JNPT



Terminal wise Dwell Time Performance - Snapshot


Import Cycle			Export Cycle		
Port	Sept'19 (in hrs)	Oct'19 (in hrs)	Port	Sept'19 (in hrs)	Oct'19 (in hrs)
JNPCT	26.8	25.9	JNPCT	74.8	73.5
NSICT	27.6	34.8	NSICT	44.8	46.9
GTI	26.4	24.2	GTI	62.2	64.8
NSIGT	26.4	25.5	NSIGT	67.5	67.3
BMCT/PSA	23.9	22.0	BMCT/PSA	64.0	74.9

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- There has been an decrease in handling Import Cycle Rail bound container at JNPT Terminal

Import Cycle (Rail Bound)	JNPT Region
October 2019	43.2 hrs
September 2019	34.3 hrs



Port Dwell Time

IMPORT

Mode	Sept'19 (in hrs)	Oct'19 (in hrs)
Overall	27.9	26.5
Truck	25.7	25.3
Train	41.9	45.6

EXPORT

Mode	Sept'19 (in hrs)	Oct'19 (in hrs)
Overall	77.8	77.6
Truck	77.1	77.9
Train	82.1	74.8

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



Inland Container Depot (ICD)



Container Freight Stations (CFS)

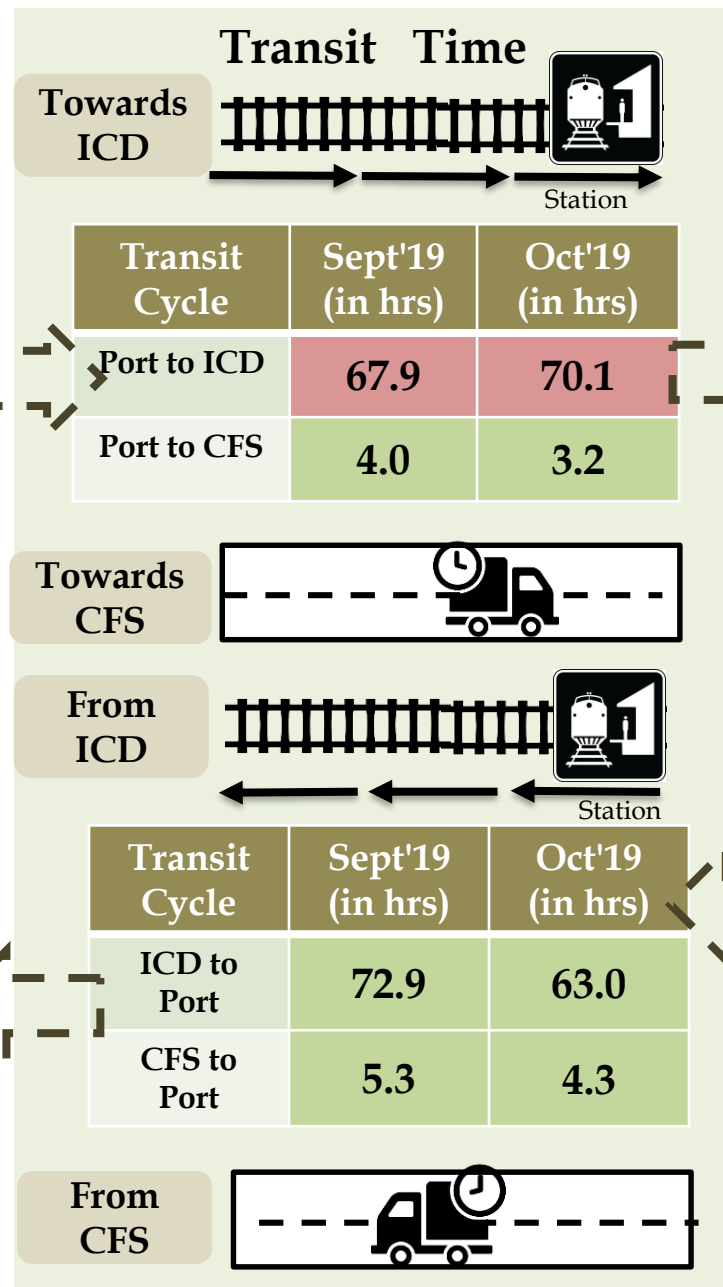
Entity	Sept'19 (in hrs)	Oct'19 (in hrs)
CFS	89.1	85.2
ICD	132.5	132.2

- The marked entries showcase increase in performance in comparison to Sept'19
- The marked entries showcase decrease in performance in comparison to Sept'19

Container Lifecycle (Import Cycle)

Port Dwell Time			
IMPORT	Mode	Sept'19 (in hrs)	Oct'19 (in hrs)
	Overall	26.1	24.7
	Truck	24.5	21.7
	Train	34.3	43.2

Port Dwell Time			
EXPORT	Mode	Sept'19 (in hrs)	Oct'19 (in hrs)
	Overall	63.9	66.2
	Truck	64.3	67.5
	Train	60.0	52.4



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

Entity	Sept'19 (in hrs)	Oct'19 (in hrs)
CFS	86.9	85.2
ICD	132.5	132.2

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

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

Container Lifecycle (Export Cycle)

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



Parking Plaza Gate In - Gate Out

Waiting Time at Parking Plaza

Mode	Sept'19 (in hrs)	Oct'19 (in hrs)
Overall	7.7	7.3



Parking Plaza Gate Out - Terminal In

Transit time from Parking plaza to terminal

Mode	Sept'19 (in hrs)	Oct'19 (in hrs)
Overall	1.3	1.26



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

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

IMPORT CYCLE DWELL TIME (Oct'19 - in hrs)			Compared to Sept'19
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	24.7	5% ↑
	Port Dwell Time for Truck Bound Containers	21.7	12% ↑
	Port Dwell time for Train Bound Containers	43.2	26% ↓
	Port Dwell time Direct Port Delivery (DPD) containers	45.2	2% ↑
	Port Dwell time Containers bound for CFS	21.7	4% ↑
	Port Dwell for Empty Containers	41.5	10% ↓
	Port Dwell for Laden Containers	23.5	6% ↑
TRANSIT TIME	Port to ICD	70.1	3% ↓
	Port to CFS	3.2	20% ↑

EXPORT CYCLE DWELL TIME (Oct'19- in hrs)			Compared to Sept'19
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	66.2	3.6% ↓
	Port Dwell Time for Truck Bound Containers	67.5	4.9% ↓
	Port Dwell time for Train Bound Containers	52.4	12.7% ↑
	Port Dwell time Direct Port Entry (DPE) containers	69.0	1% ↑
	Port Dwell time Containers bound from CFS	60.6	7% ↓
	Port Dwell for Empty Containers	72.4	14% ↓
	Port Dwell for Laden Containers	65.4	0.1% ↓
TRANSIT TIME	ICD to Port	63.0	14% ↑
	CFS to Port	4.3	19% ↑

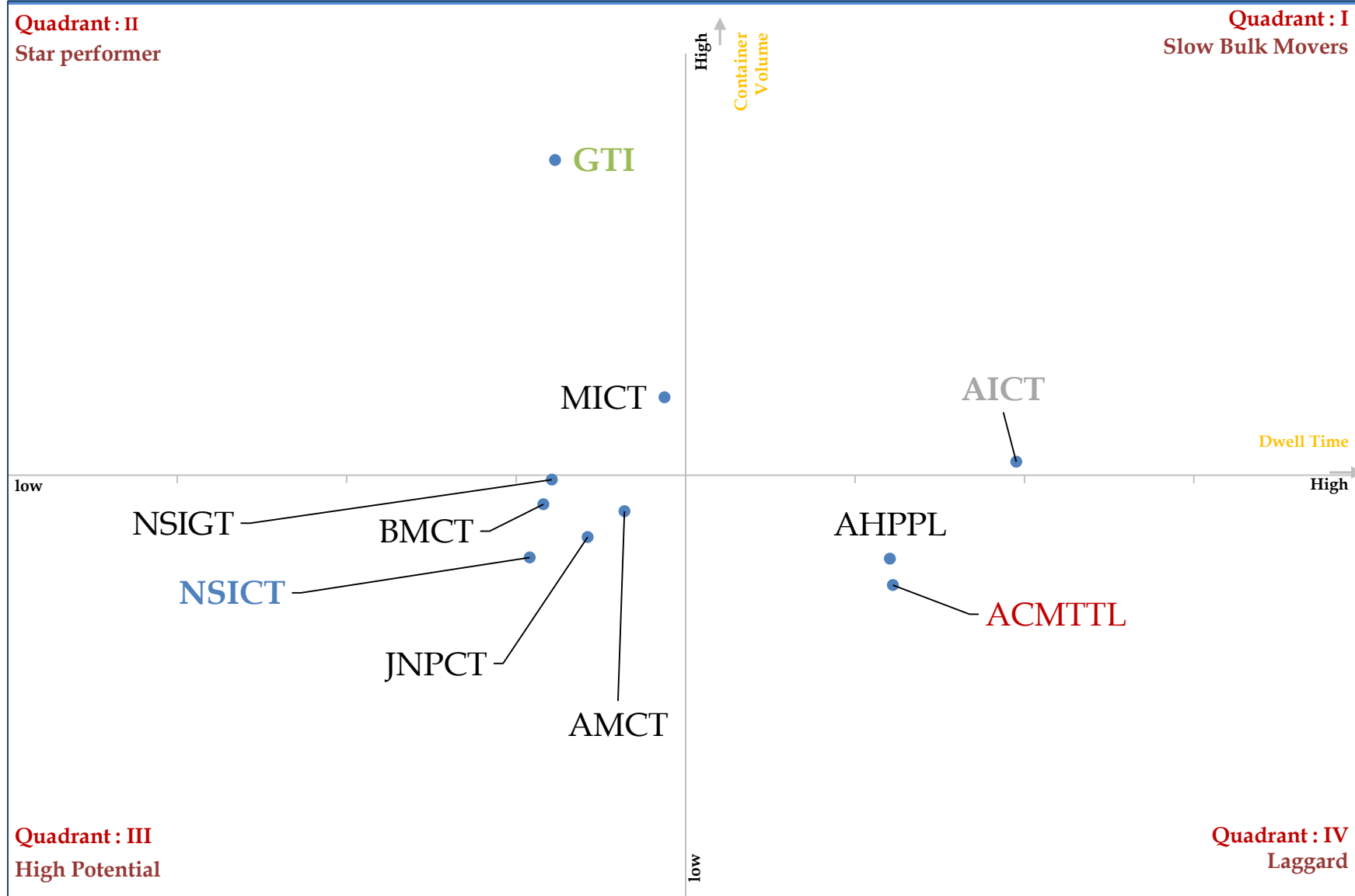
↑↓ The arrows depict increase/decrease in performance of the stakeholders in comparison to Sept'19



Performance Benchmarking - Port Terminals

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

Port Terminal Performance Index - Oct'19



Performance benchmarking for Port Terminals covered under LDB project for Oct'19

Top Performing Terminal	
Gateway Terminals India	
Sept'19	Oct'19
42.6 hrs	42.9 hrs ↓
Low Performing Terminal	
Adani CMA Mundra Terminal (ACMTTL)	
Sept'19	Oct'19
78.6 hrs	75.0 hrs ↑

Note: The performance benchmarking is based on performance index



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

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



Performance Benchmarking



Top Performing CFS

JWR CFS	
Sept'19	Oct'19
61.7 hrs	56.9 hrs

Low Performing CFS

Take Care Logistics CFS	
Sept'19	Oct'19
122.5 hrs	110.4 hrs

Note: The performance benchmarking is based on performance index
 ↑ ↓ The arrows depict increase/decrease in overall performance of the stakeholders as compared to Sept'19

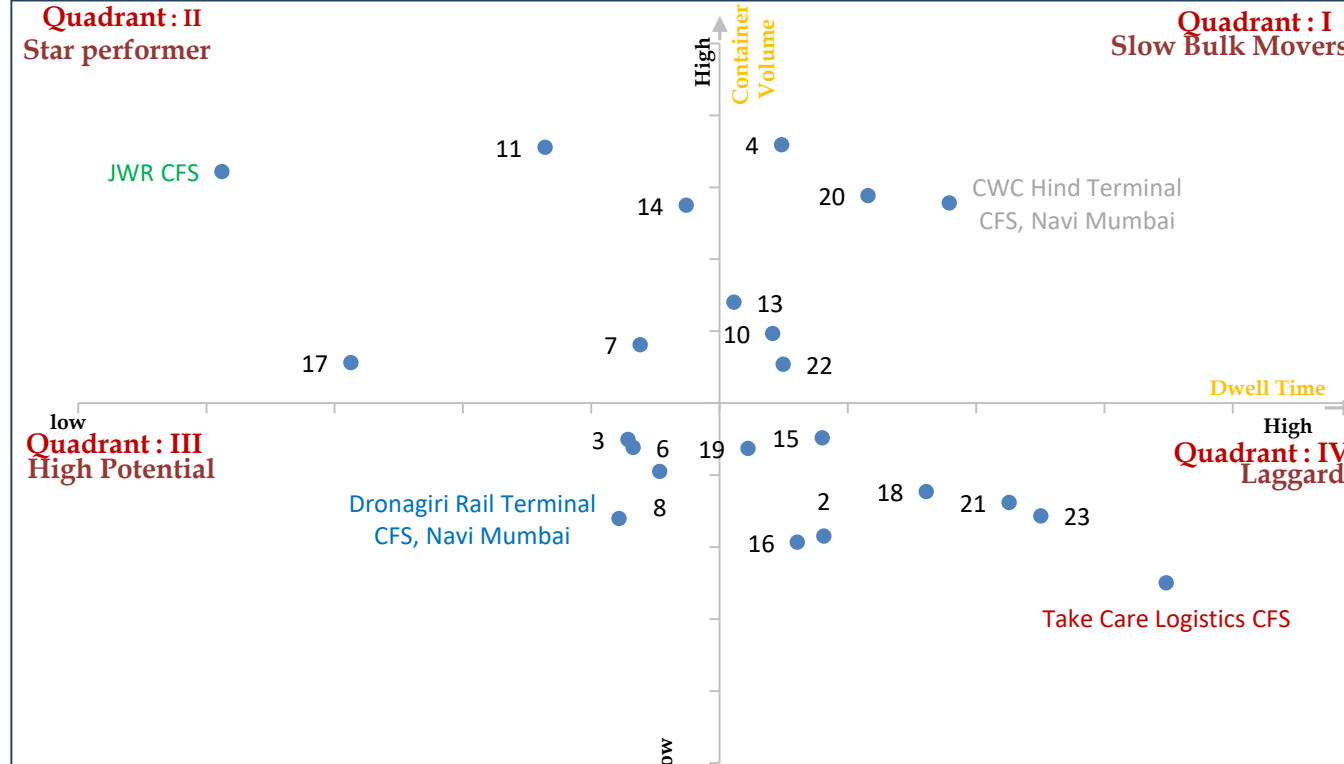
Top Performing ICD

Gateway Rail Freight ICD, Gurgaon	
Sept'19	Oct'19
100 hrs	100 hrs

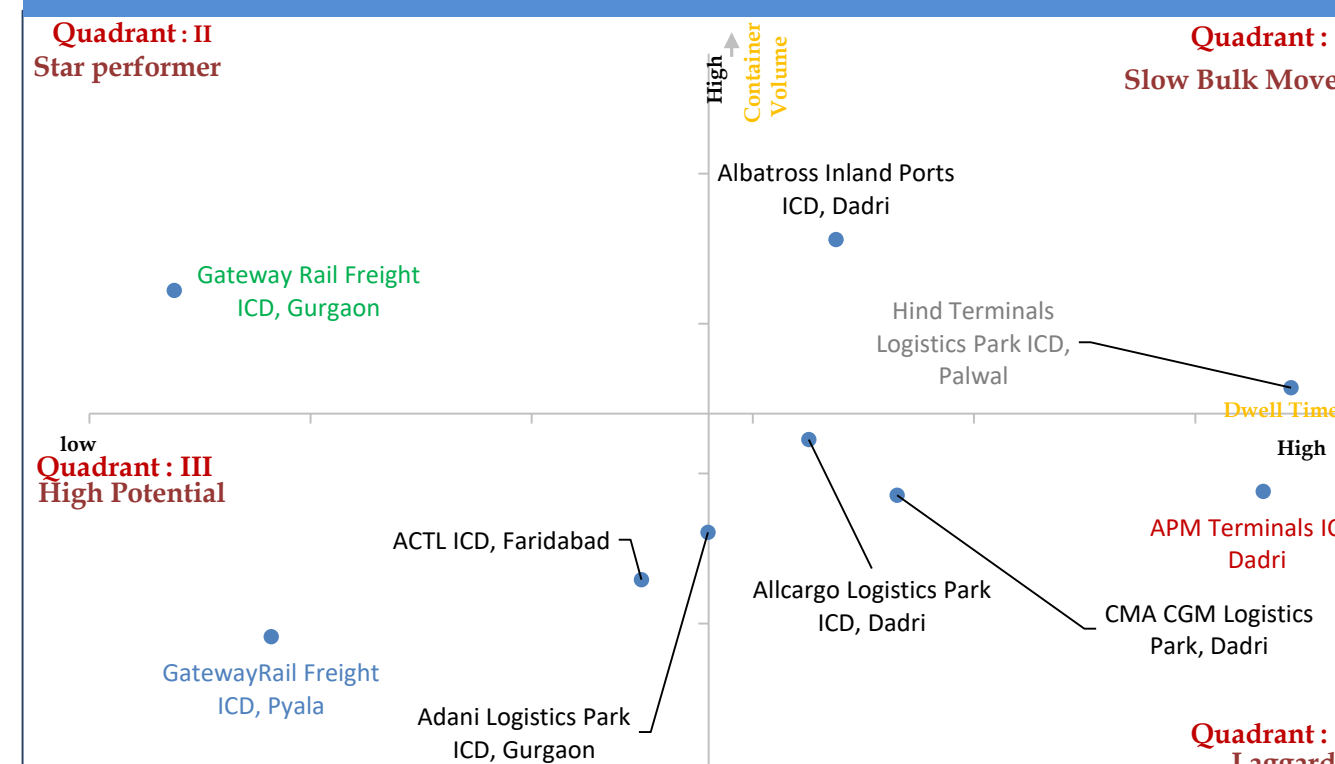
Low Performing ICD

APM Terminals ICD, Dadri	
Sept'19	Oct'19
132 hrs	166 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

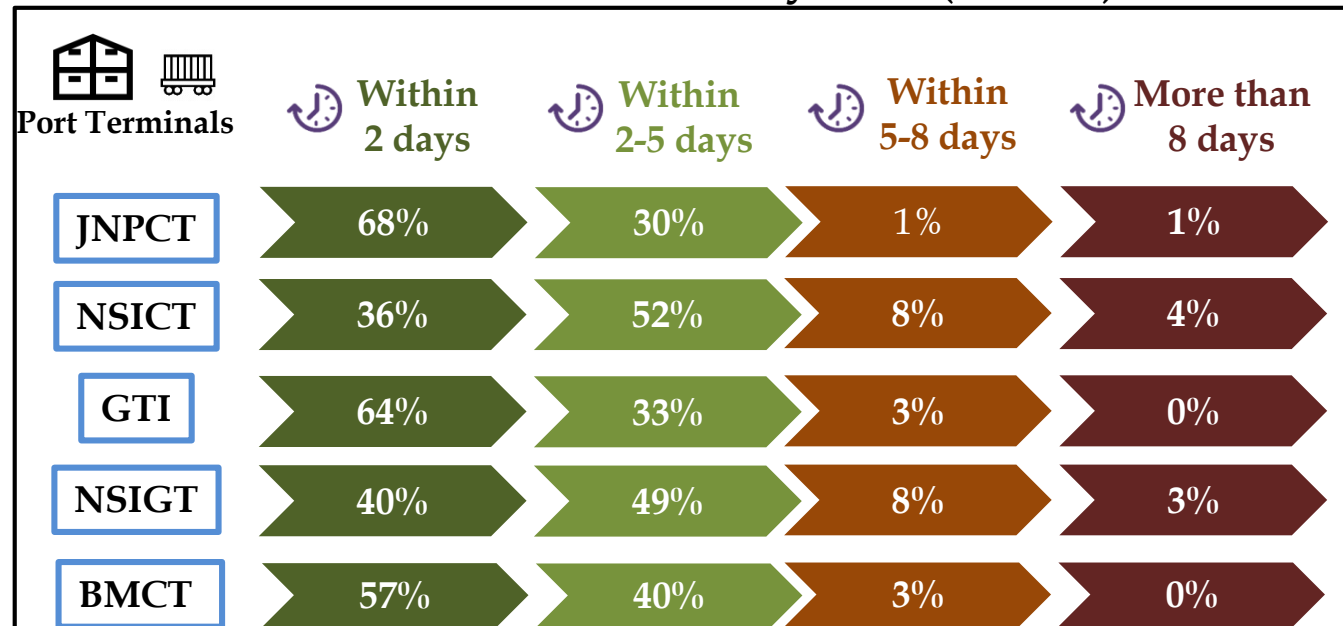
PORT IMPORT via TRAIN

(19% 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	Sept'19 (in hrs)	Oct'19 (in hrs)
JNPCT	27.1	37.3
NSICT	42.6	59.4
GTI	29.5	36.9
NSIGT	46.8	57.9
BMCT	34.0	38.8

Container Handled: Day wise (Oct'19)



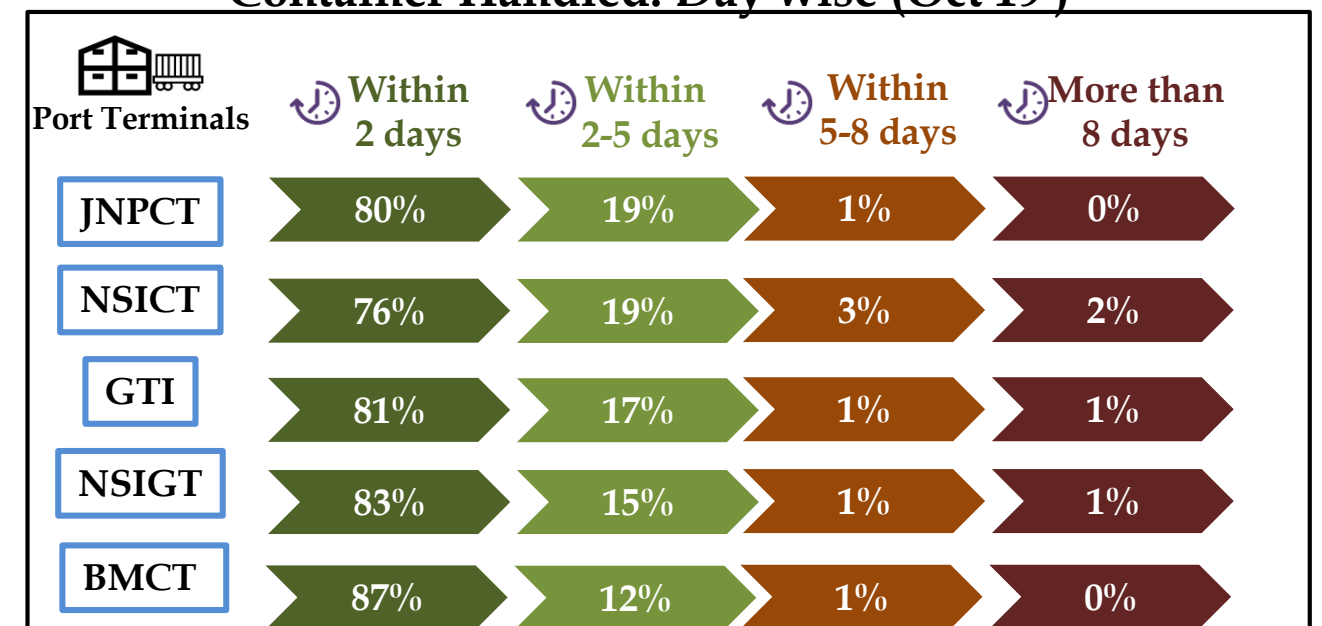
PORT IMPORT via TRUCK

(81% 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	Sept'19 (in hrs)	Oct'19 (in hrs)
JNPCT	26.8	24.5
NSICT	23.4	26.9
GTI	25.7	21.6
NSIGT	22.7	20.2
BMCT	22.7	20.8

Container Handled: Day wise (Oct'19)



The below tables depict the detailed JNPT region port performance in the month of Oct'19

JNPCT		
Port Dwell time based on transit type		
Sept'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	48.0 hrs	26.1 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	26.9 hrs	30.3 hrs

GTI		
Port Dwell time based on transit type		
Sept'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	42.4 hrs	21.1 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	22.9 hrs	42.3 hrs

The below tables depict the detailed JNPT region port performance in the month of Oct'19

NSICT		
Port Dwell time based on transit type		
Sept'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	50.1 hrs	20.8 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	26.9 hrs	46.6 hrs

NSIGT		
Port Dwell time based on transit type		
Sept'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	50.8 hrs	20.0 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	23.8 hrs	51.0 hrs

BMCT		
Port Dwell time based on transit type		
Sept'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	44.5 hrs	21.3 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	21.8 hrs	27.1 hrs

JNPT Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPT region in Import Cycle in month of Oct'19



Clusters with bottleneck

CLUSTER 1	JNPT Area
CLUSTER 4	Chirle area , JNPT road
CLUSTER 6	Salva apta rd area, Bangalore highway

Clusters without bottleneck

CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari 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 (Red line)
- Medium Congestion (Brown line)
- Low Congestion (Light Brown 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 :- [Brown bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Red bar]

BMCT Terminal

Congestion Level
Export Cycle :- [Red bar]

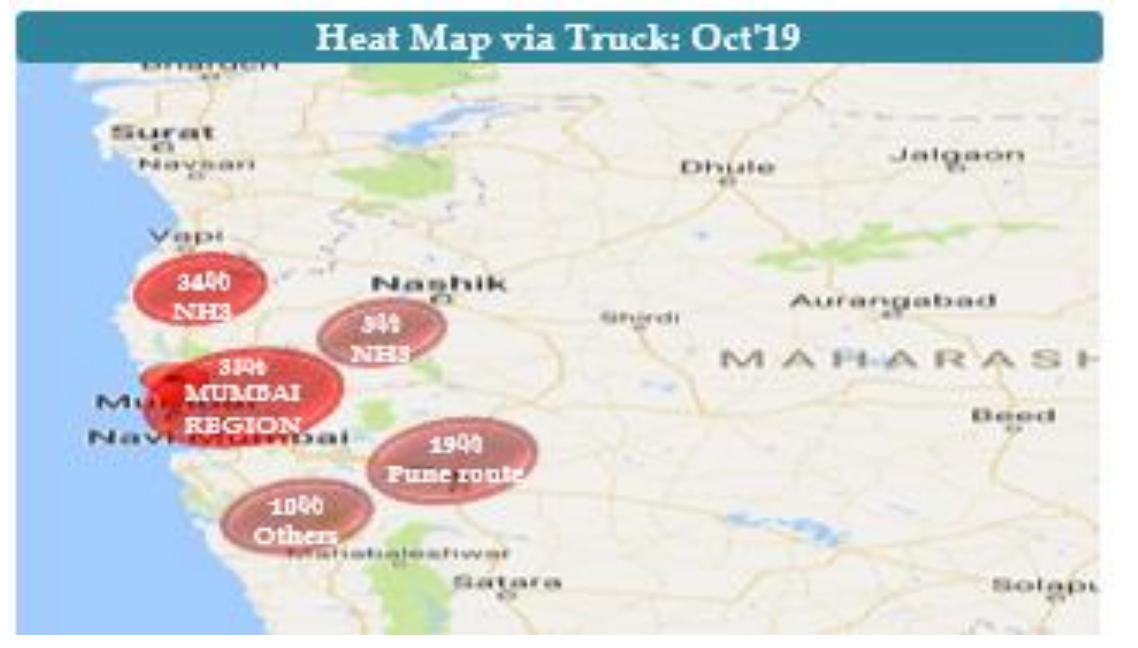
Note : 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals
 2) Analysis consist of CFS covered under LDB project

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Oct'19
Mumbai region	33%
NH3	3%
Pune	19%
NH8	34%
others	10%

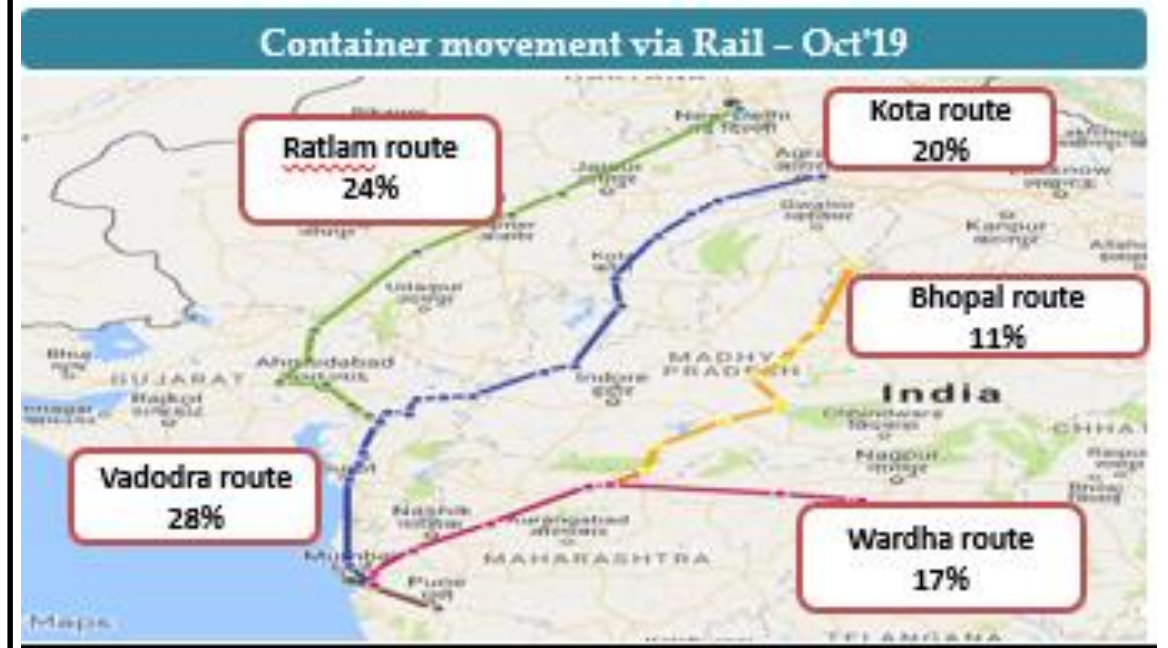
The figure depicts the movement of containers via truck in and around Mumbai region.



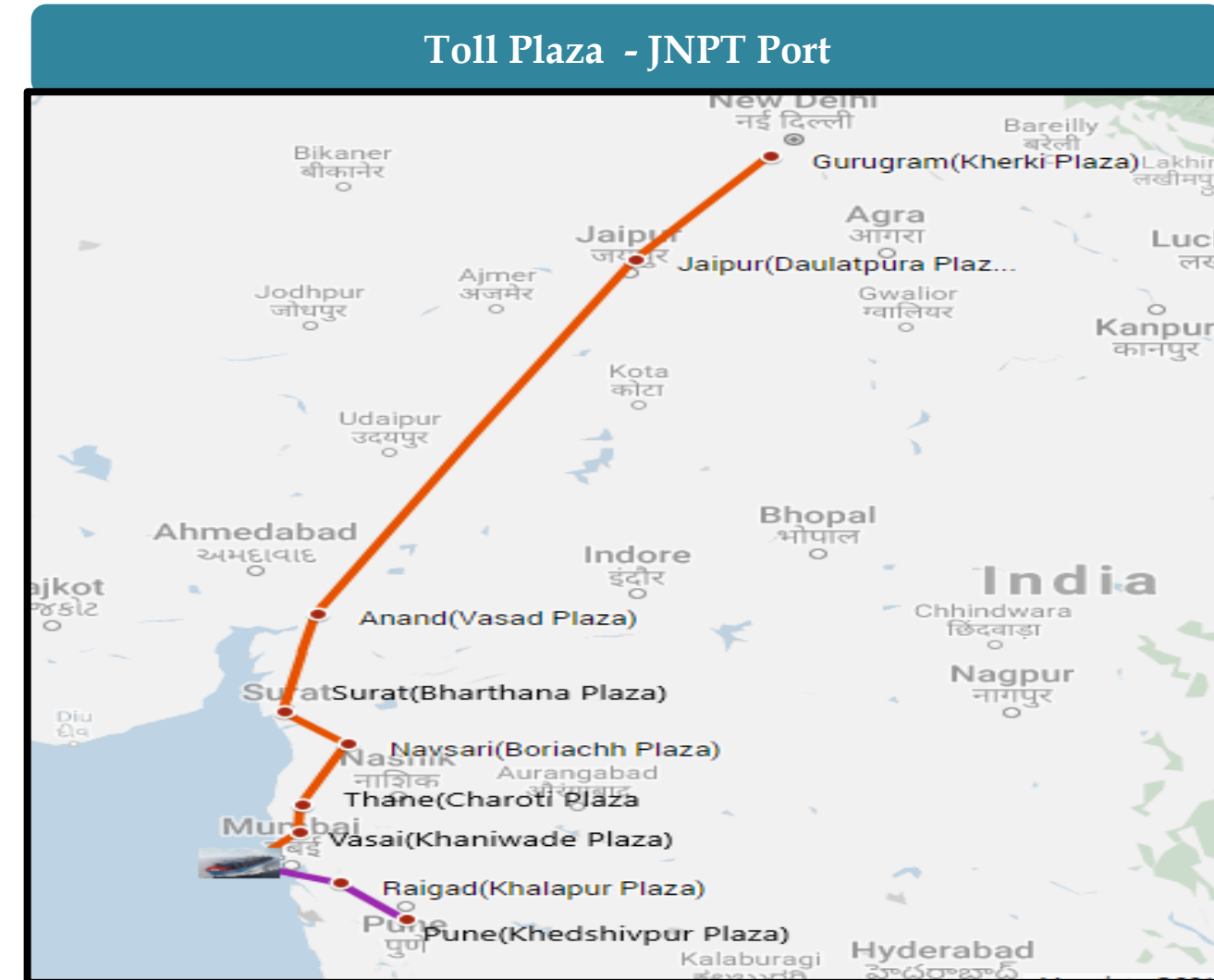
Train
VOLUME WISE CONTAINER MOVEMENT

Region	Oct'19
Vadodra Route	28%
Ratlam Route	24%
Wardha Route	17%
Kota Route	20%
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)	Sept'19 (in km/hrs)	Oct'19 (in km/hrs)
JNPT	JNPT	Khaniwade	94	11.5	14.2
	JNPT	Khalapur	60	11.21	10.55
	Khaniwade	Charoti	50	33.7	35.5
	Charoti	Boriach	126	26.8	27.5
	Boriach	Bharthan	142	31.8	31.4



Export Cycle Analysis

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

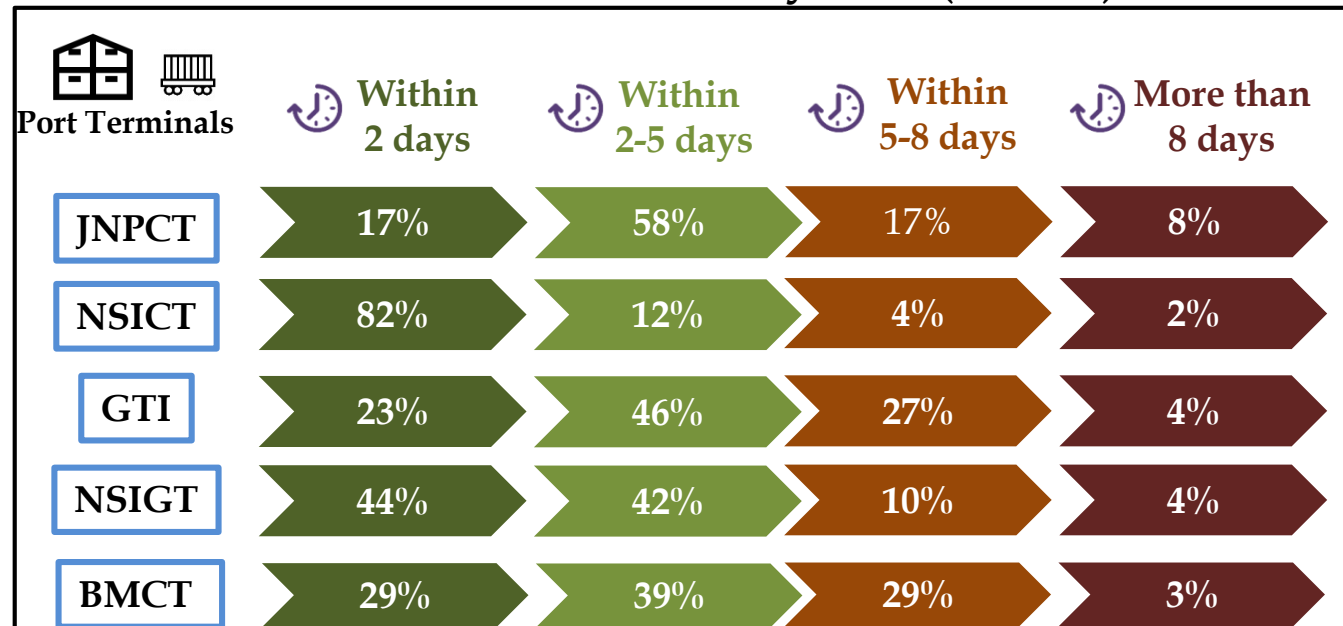
PORT EXPORT via TRAIN

(18% 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	Sept'19 (in hrs)	Oct'19 (in hrs)
JNPCT	98.3	89.4
NSICT	10.6	11.9
GTI	78.7	88.2
NSIGT	77.3	61.4
BMCT	88.2	89.0

Container Handled: Day wise (Oct'19)



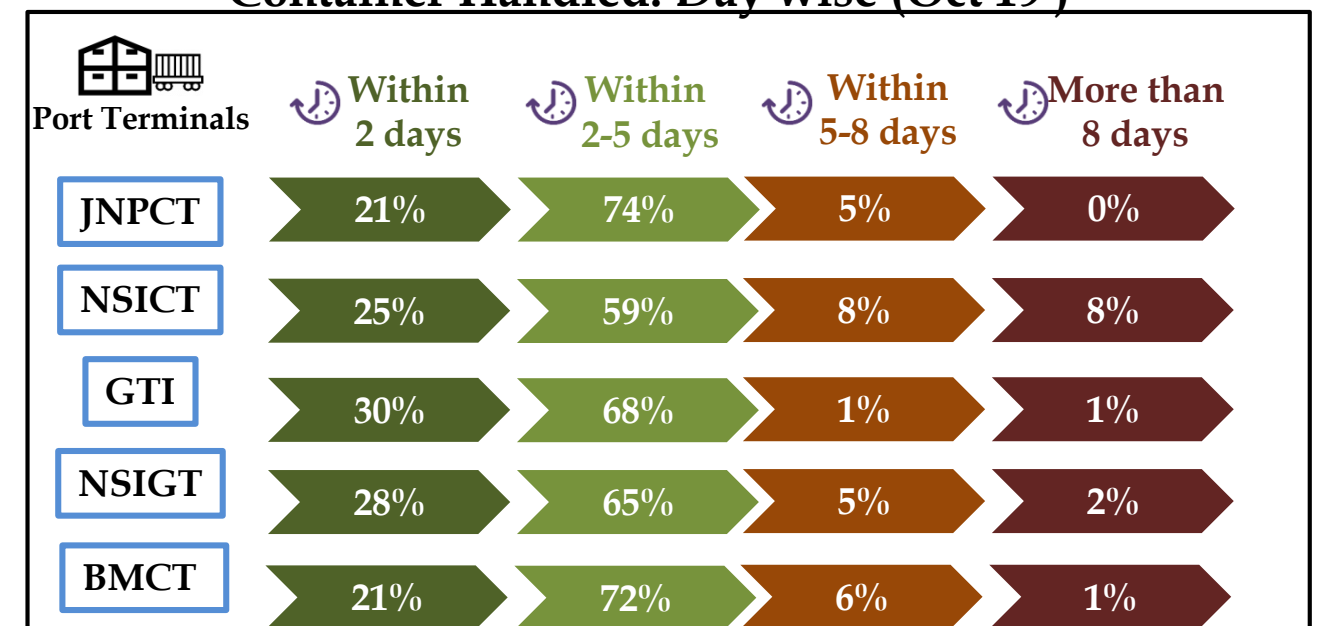
PORT EXPORT via TRUCK

(82% 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	Sept'19 (in hrs)	Oct'19 (in hrs)
JNPCT	73.8	73.0
NSICT	69.0	74.6
GTI	60.6	62.5
NSIGT	67.4	67.5
BMCT	61.4	73.9

Container Handled: Day wise (Oct'19)



The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for Oct'19

JNPCT		
Port Dwell time based on transit type		
Sept'19	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	63.7 hrs	64.4 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	62.2 hrs	83.2 hrs

GTI		
Port Dwell time based on transit type		
Sept'19	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	64.0 hrs	57.5 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	64.0 hrs	65.3 hrs

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for Oct'19

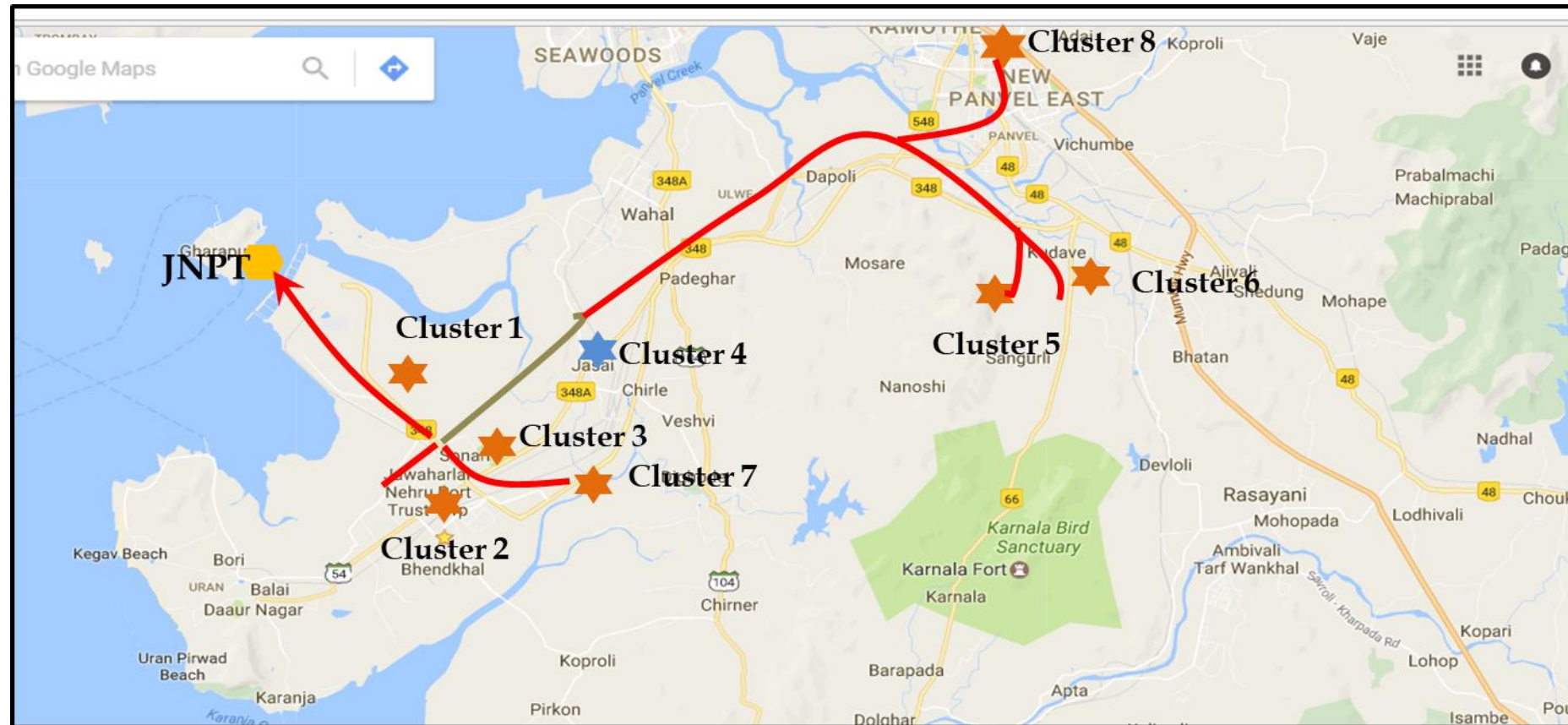
NSICT		
Port Dwell time based on transit type		
Sept'19	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	82.3 hrs	65.4 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	65.0 hrs	-

NSIGT		
Port Dwell time based on transit type		
Sept'19	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	74.6 hrs	58.5 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	67.2 hrs	77.7 hrs

BMCT		
Port Dwell time based on transit type		
Sept'19	Direct Port Exports containers	Containers bound for CFS
Dwell time (in hrs)	-	66.4 hrs
Port Dwell time based on container type		
Sept'19	Laden Containers	Empty Containers
Dwell time (in hrs)	71.6 hrs	75.0 hrs

JNPT Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPT region in Export Cycle in month of Oct'19



Clusters with bottleneck

CLUSTER 1	JNPT Area
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

Clusters without bottleneck

CLUSTER 4	Chirle area, JNPT road
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Legends

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

GTI Terminal

Congestion Level
Import Cycle :- [Red bar]

JNPCT Terminal

Congestion Level
Import Cycle :- [Brown bar]

NSICT Terminal

Congestion Level
Import Cycle :- [Brown bar]

NSIGT Terminal

Congestion Level
Import Cycle :- [Brown bar]

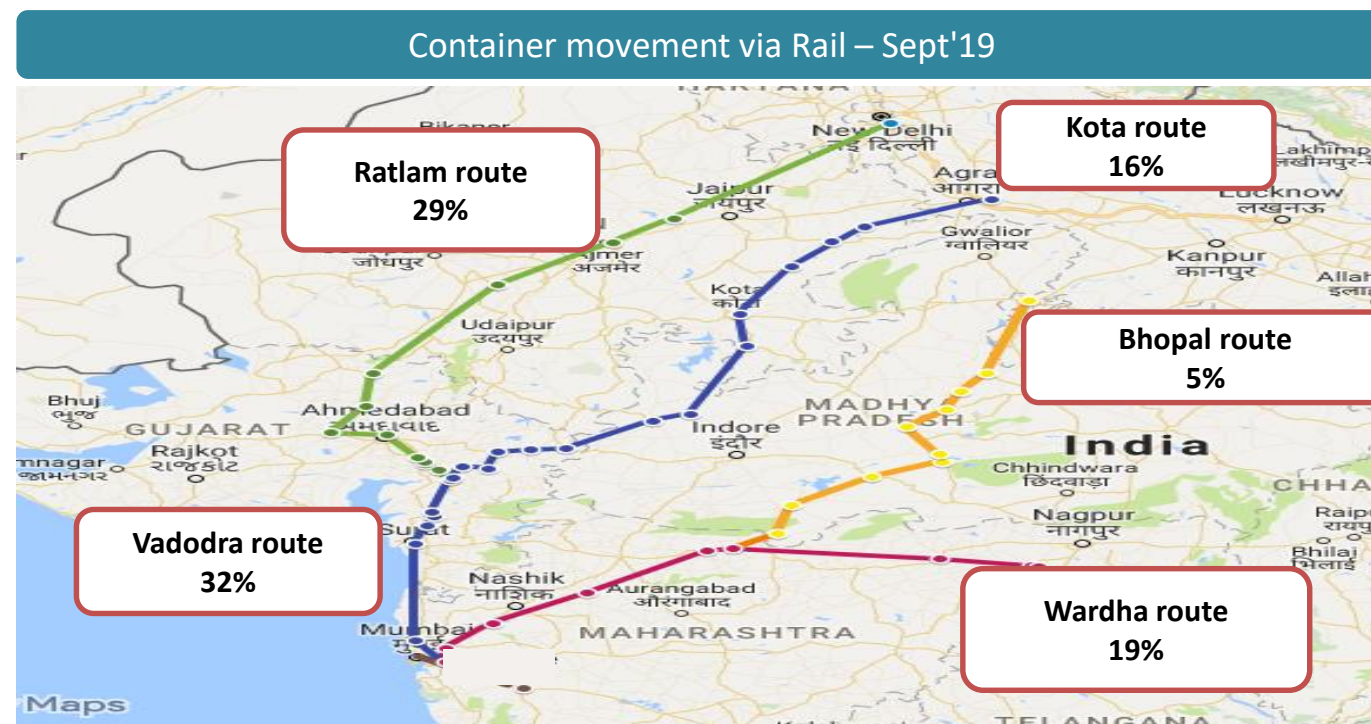
BMCT Terminal

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	29%
Wardha Route	19%
Kota Route	16%
Bhopal Route	5%

The map shows the volume wise container movement through different railway routes in export cycle for Oct'19



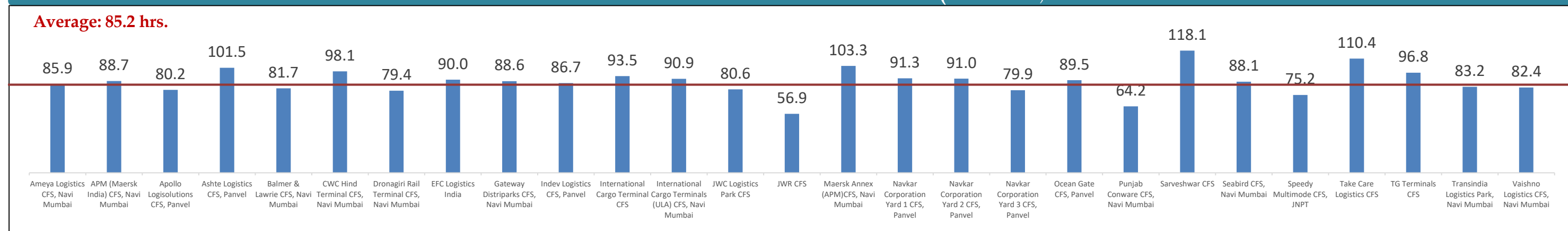
CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

Below table and graphs show the dwell time of the respective CFSs for the month of Oct'19

CFS Dwell Time (in hrs.)					
CFS	Sept'19	Oct'19	CFS	Sept'19	Oct'19
Ameya Logistics CFS, Navi Mumbai	100.2	85.9	Maersk Annex (APM)CFS, Navi Mumbai	114.9	103.3
APM (Maersk India) CFS, Navi Mumbai	79.4	88.7	Maharashtra State Corp CFS	-	-
Apollo Logisolutions CFS, Panvel	87.1	80.2	Navkar Corporation Yard 1 CFS, Panvel	-	91.3
Ashte Logistics CFS, Panvel	115.8	101.5	Navkar Corporation Yard 2 CFS, Panvel	89.1	91.0
Balmer & Lawrie CFS, Navi Mumbai	95.2	81.7	Navkar Corporation Yard 3 CFS, Panvel	88.9	79.9
Continental Warehousing CFS, Navi Mumbai	-	-	Ocean Gate CFS, Panvel	95.8	89.5
CWC Hind Terminal CFS, Navi Mumbai	102.1	98.1	Punjab Conware CFS, Navi Mumbai	67.4	64.2
Dronagiri Rail Terminal CFS, Navi Mumbai	74.1	79.4	Sarveshwar CFS	88.6	118.1
EFC Logistics India	72.2	90.0	SBW Logistics CFS, Navi Mumbai	-	-
Gateway Distriparks CFS, Navi Mumbai	93.8	88.6	Seabird CFS, Navi Mumbai	92.3	88.1
Indev Logistics CFS, Panvel	90.5	86.7	Speedy Multimode CFS, JNPT	77.4	75.2
International Cargo Terminal CFS	91.5	93.5	Take Care Logistics CFS	122.5	110.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	98.3	90.9	TG Terminals CFS	83.1	96.8
JWC Logistics Park CFS	74.7	80.6	Transindia Logistics Park, Navi Mumbai	82.8	83.2
JWR CFS	61.7	56.9	Vaishno Logistics CFS, Navi Mumbai	81.8	82.4

CFS - DWELL OVERVIEW - OCT'19 (IN HRS)



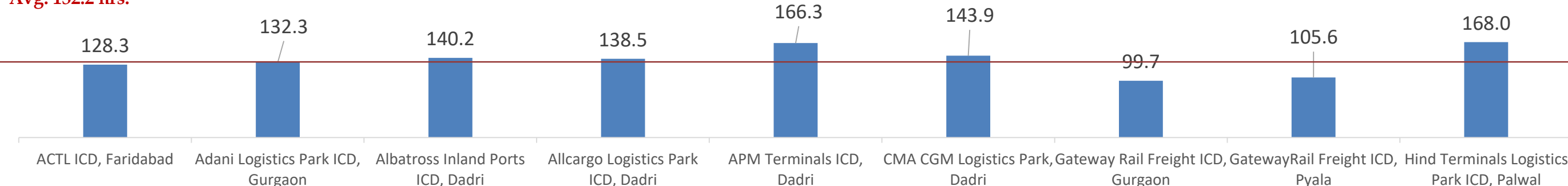
ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Sept'19 (in hrs)	Oct'19 (in hrs)
ACTL ICD, Faridabad	133.5	128.3
Adani Logistics Park ICD, Gurgaon	115.4	132.3
Albatross Inland Ports ICD, Dadri	124.2	140.2
Allcargo Logistics Park ICD, Dadri	132.4	138.5
APM Terminals ICD, Dadri	146.1	166.3
CMA CGM Logistics Park, Dadri	136.3	143.9
Gateway Rail Freight ICD, Gurgaon	100.8	99.7
GatewayRail Freight ICD, Pyala	-	105.6
Hind Terminals Logistics Park ICD, Palwal	-	168.0

ICD - DWELL OVERVIEW (Oct'19) (In Hrs)

Avg. 132.2 hrs.

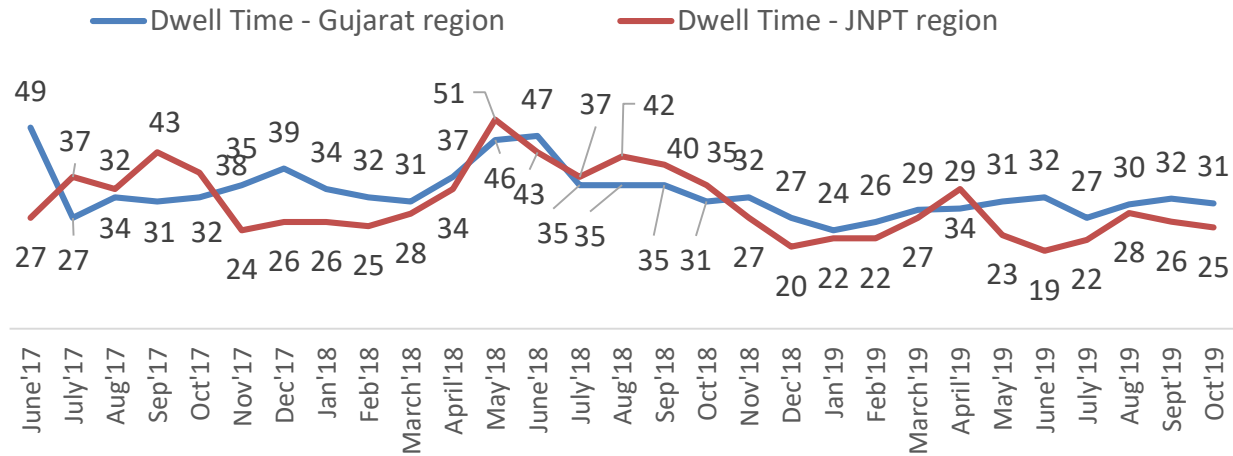


Trend Analysis

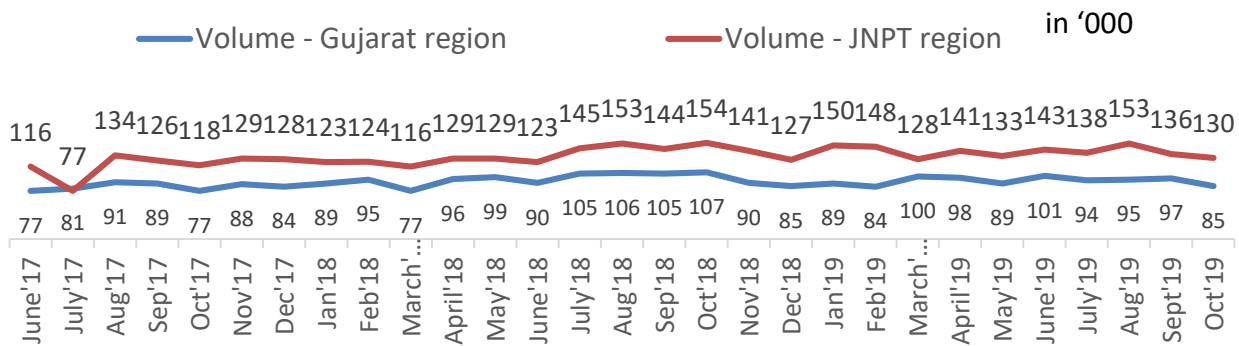
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until Oct'19

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



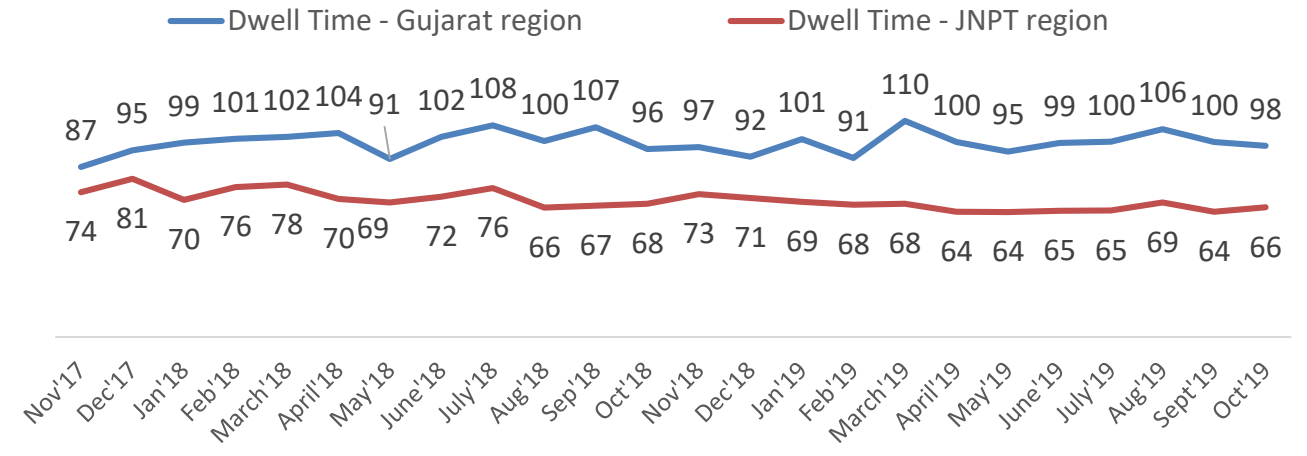
Volume – Gujarat Region Vs JNPT Region



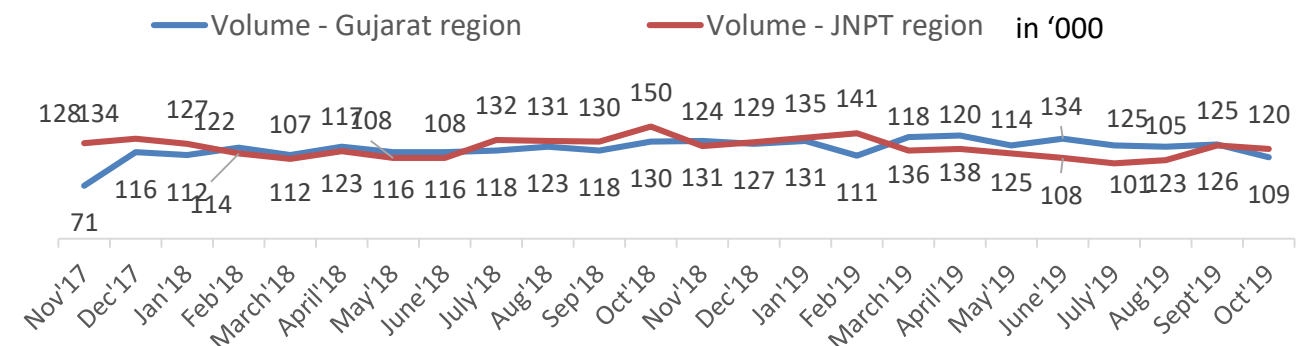
In Import cycle, for the month of Oct'19 JNPT port has catered 53% more volume than APSEZ Port, and has maintained 19% lower dwell time than APSEZ Port

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region



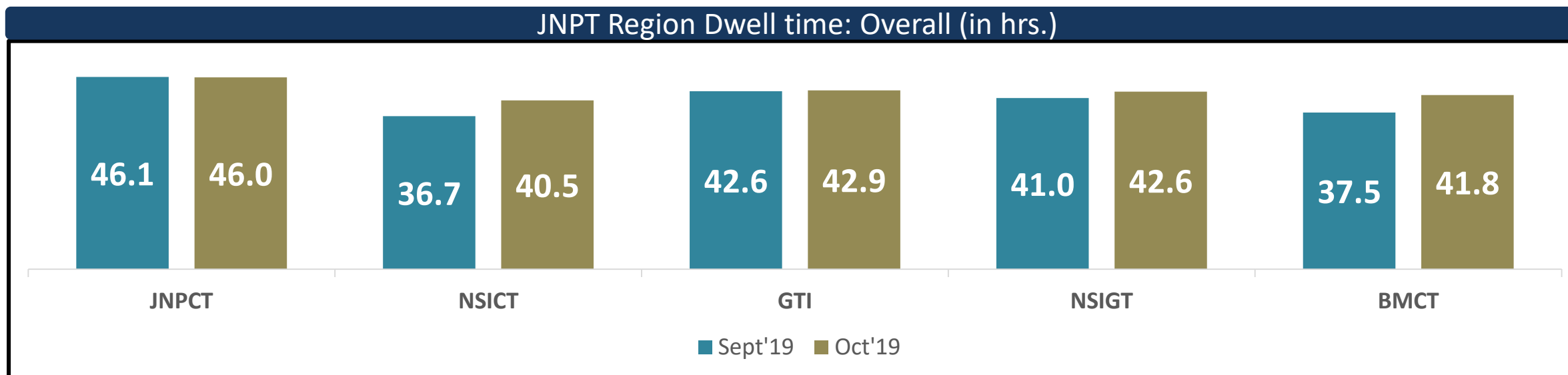
Volume – Gujarat Region Vs JNPT Region



In Export cycle, for the month Oct'19 JNPT port catered 10% less volume than APSEZ Port, and has maintained 32% lower dwell time than APSEZ Port

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

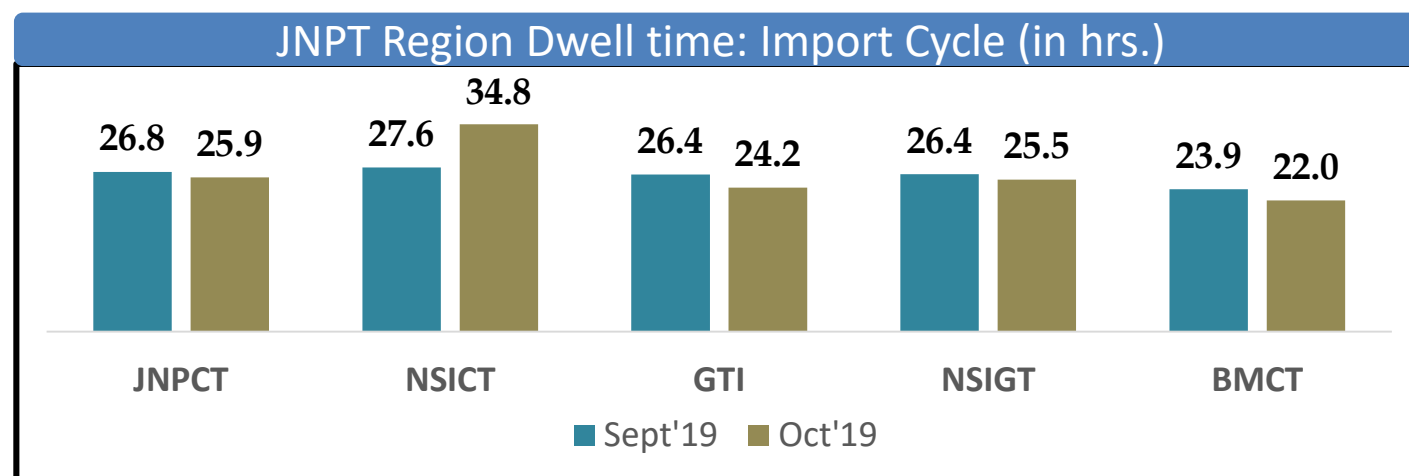


The overall JNPT region average dwell time for Oct'19 is 42.9 hrs as compared to 41.6 hrs in Sept'19

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of March'19

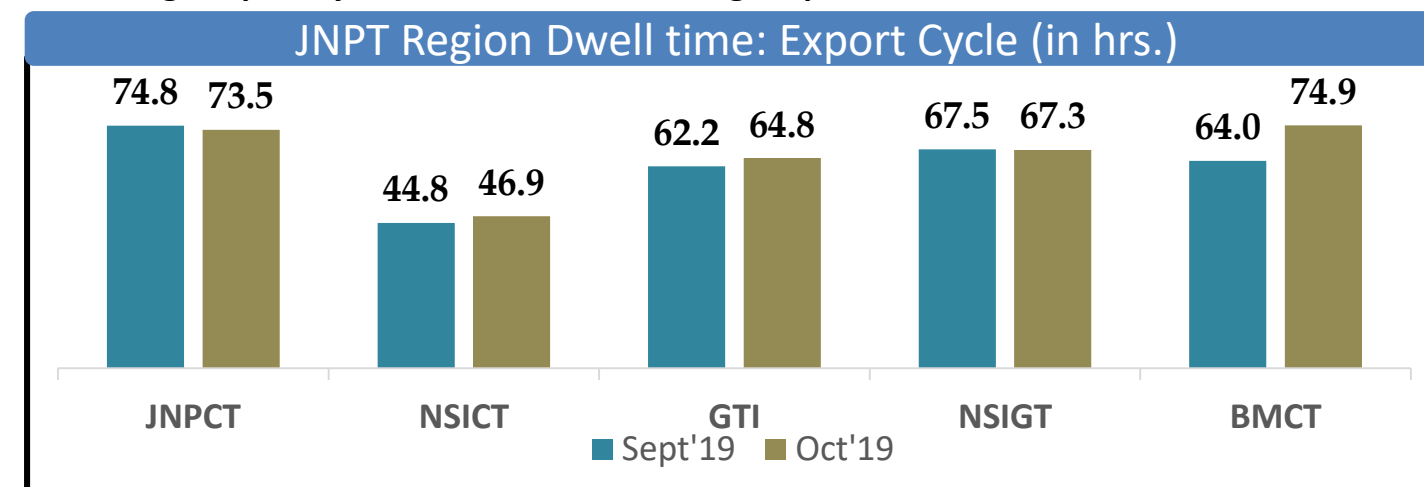
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for Oct'19 is 24.7 hrs.



JNPT Export cycle Trend

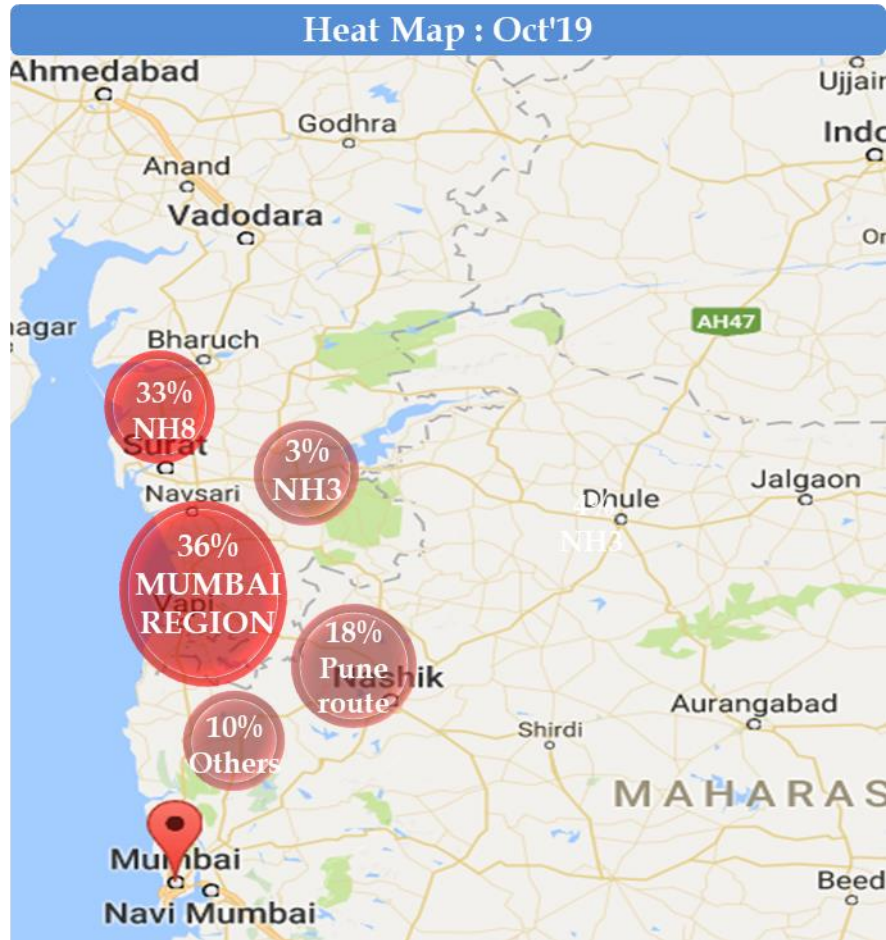
The average export cycle dwell time of JNPT region port terminals for Oct'19 is 66.2 hrs.



ANNEXURE

Container movement around JNPT Port terminal region via Truck

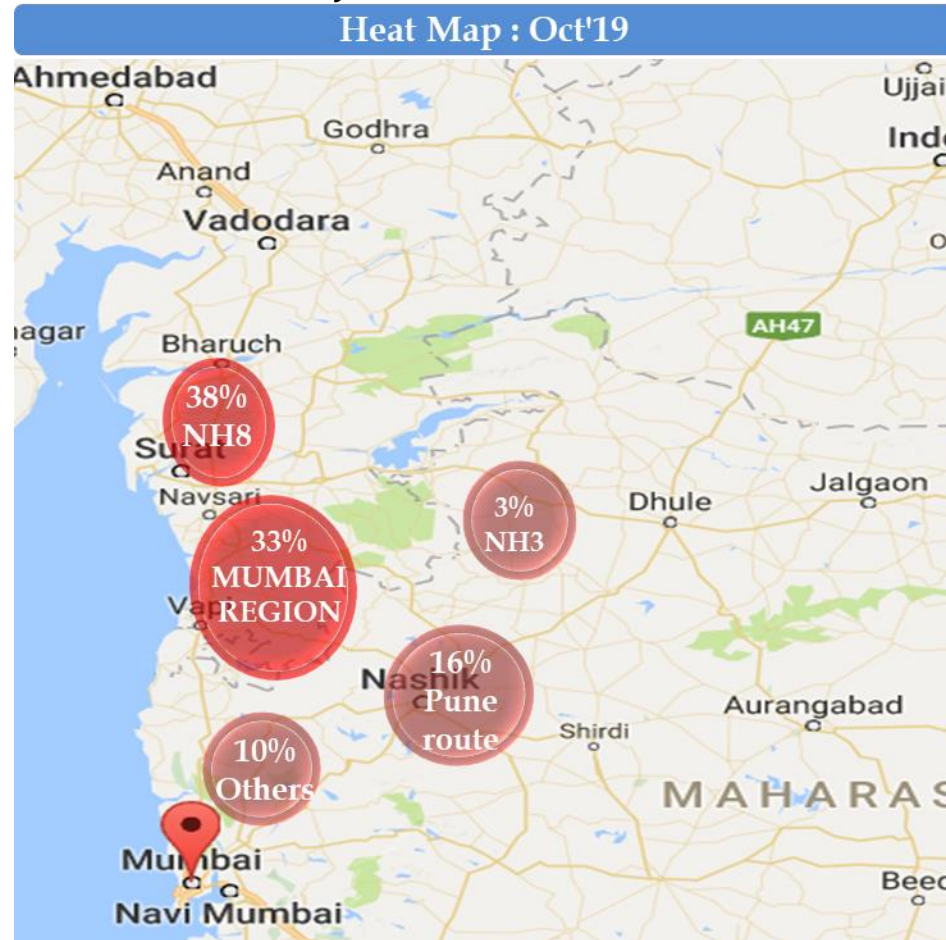
HEAT MAP : GTI Port Terminal



Region	Sept'19	Oct'19
Mumbai region	34%	36%
NH3	3%	3%
Pune	21%	18%
NH8	32%	33%
others	10%	10%

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

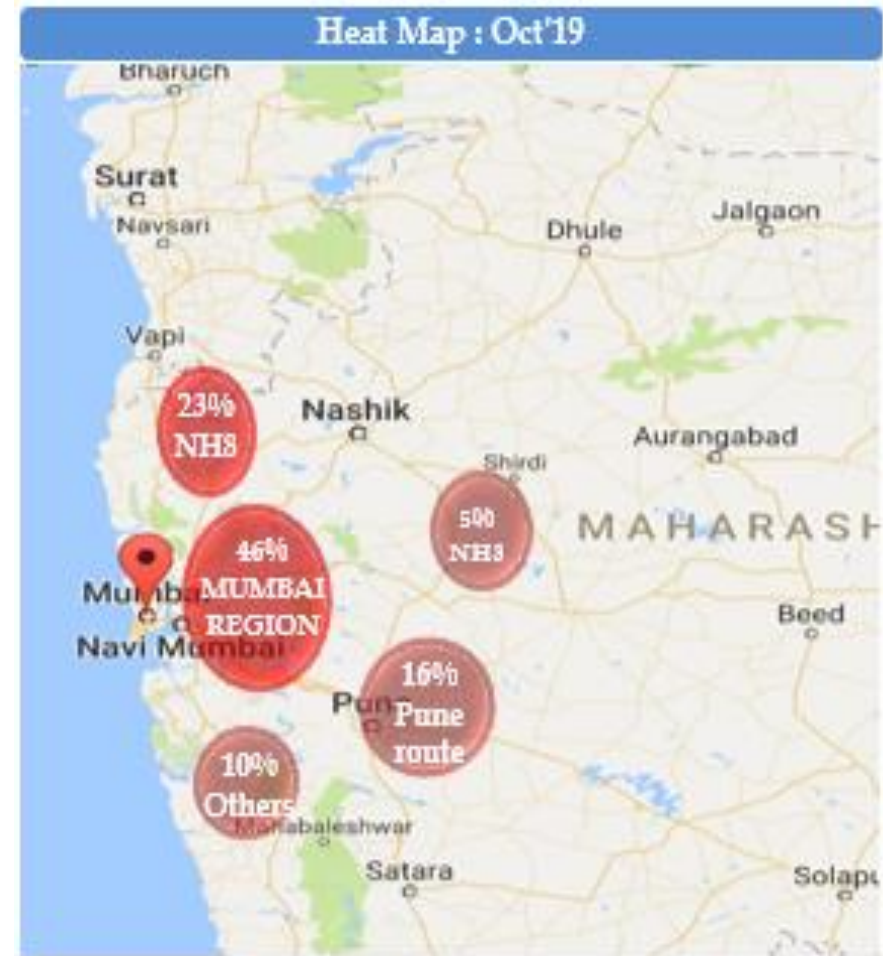
HEAT MAP : JNPCT Port Terminal



Region	Sept'19	Oct'19
Mumbai region	34%	33%
NH3	3%	3%
Pune	17%	16%
NH8	36%	38%
others	10%	10%

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

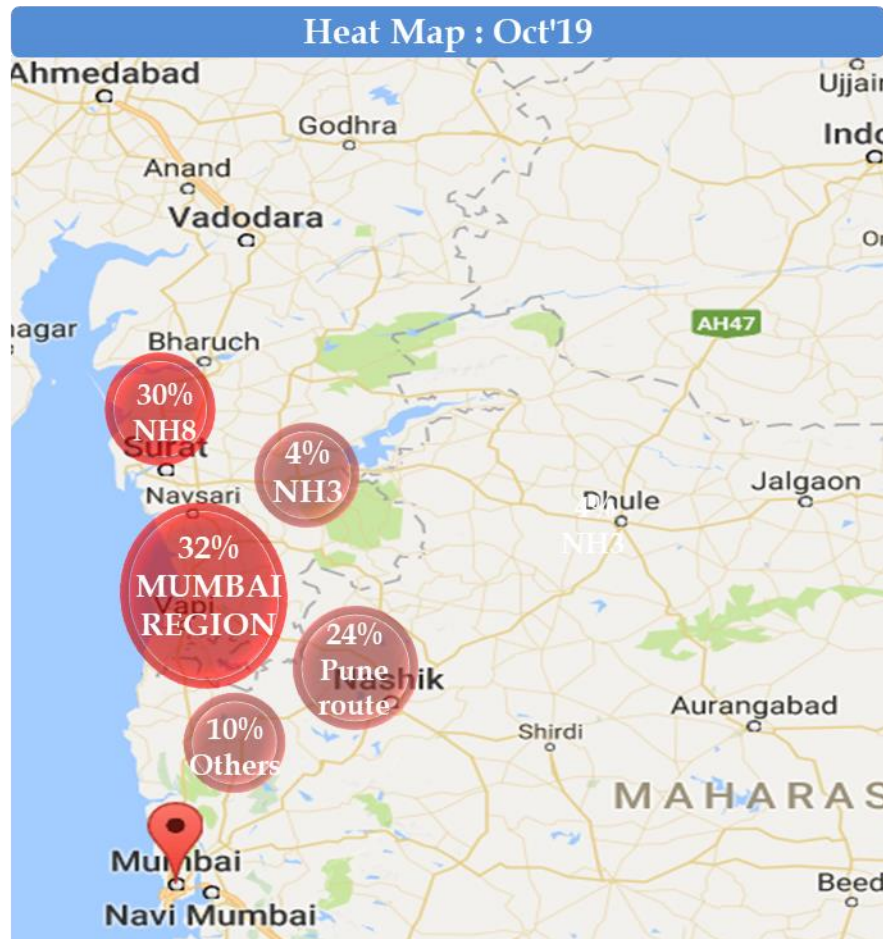
HEAT MAP : NSICT Port Terminal



Region	Sept'19	Oct'19
Mumbai region	32%	46%
NH3	4%	5%
Pune	20%	16%
NH8	34%	23%
others	10%	10%

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

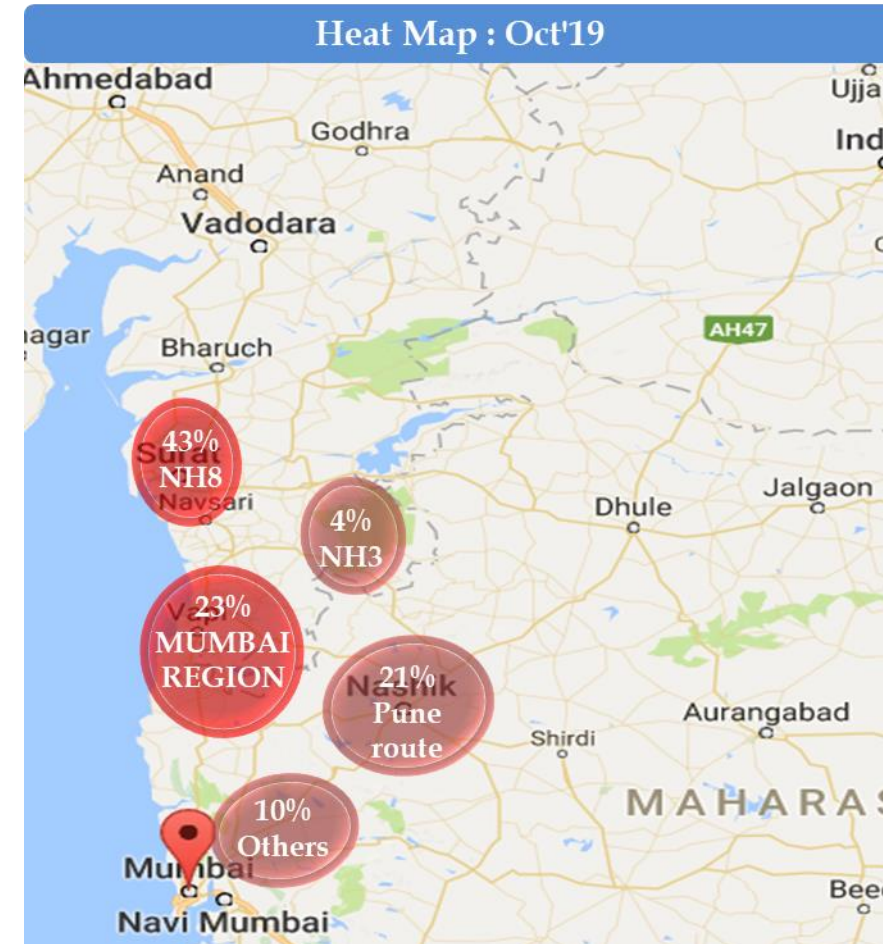
HEAT MAP : NSIGT Port Terminal



Region	Sept'19	Oct'19
Mumbai region	23%	32%
NH3	3%	4%
Pune	30%	24%
NH8	34%	30%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Sept'19	Oct'19
Mumbai region	27%	23%
NH3	3%	4%
Pune	24%	21%
NH8	36%	43%
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 Oct'19					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
DRONAGIRI RAIL TERMINAL	2.1	6.5	2.6	3.2	2.4
Ocean Gate Container Terminals Pvt. Ltd.CFS	2.8	5.7	2.6	3.4	4.4
Transindia Logistics Park Pvt, Ltd CFS	3.2	5.7	2.1	2.8	3.8
NAVKAR CORPORATION LTD.YARD-III CFS	18.8	23.6	13.5	8.9	19.2
PUNJAB CONWARE (PW)	3.1	5.3	2.3	2.8	2.6
Ameya Logistics Pvt. Ltd.	5.6	11.2	2.7	4.6	6.4
Apollo Logisolutions Ltd.	5.4	8.2	3.9	3.8	4.5
Continental Warehousing (Nhava Sheva) Ltd.	2.4	4.7	2.0	3.3	2.9
Seabird Marine Services Pvt Ltd.	2.8	9.4	1.9	3.7	2.9
Balmer & Lawrie & Co. Ltd.,CFS	4.7	9.6	2.1	2.4	3.4
APM (Maersk India Pvt. Ltd)CFS	1.6	5.8	2.5	3.2	2.0
Gateway Distriparks Ltd	1.9	6.8	1.6	3.0	2.6
Ashte Logistics Pvt. Ltd.	6.6	6.4	4.4	6.4	4.2
International Cargo Terminals & Infrastructure Private Limited-CFS	2.6	6.2	1.7	3.7	4.3
All Cargo Logistics Ltd., CFS	-	-	-	-	-
NAVKAR CORPORATION LTD.,YARD-II CFS	8.9	11.8	6.9	8.3	9.1
MAHARASHTRA STATE WARE. CORP. CFS	2.5	7.5	1.9	3.1	3.7
Indev Logistics Pvt. Ltd.CFS	5.9	8.7	3.9	4.8	8.2
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.6	7.7	2.0	3.4	2.5
Vaishno Logistics Yard CFS	2.9	3.5	2.0	2.7	2.4
International Cargo Terminal CFS	3.8	7.4	3.5	3.0	2.4
SBW Logistics CFS , Navi Mumbai	15.2	17.3	5.9	10.2	-
CWC Dronagiri CFS	-	5.1	2.1	5.0	4.4
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.7	4.2	1.7	2.4	2.8
JWC Logistics Park Ltd CFS	5.9	8.8	2.7	4.5	3.1
NAVAKAR CORPORATION LTD.,YARD-1 CFS	-	-	-	-	-
Maersk Annex (APM)CFS	-	-	-	-	-

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	Oct'19 (in hrs)
Ameya Logistics Pvt. Ltd.	2.5
Ashte Logistics Pvt. Ltd.	4.6
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.3
Balmer & Lawrie & Co. Ltd.,CFS	3.2
JWC Logistics Park Ltd CFS	5.4
Transindia Logistics Park Pvt, Ltd CFS	3.6
All Cargo Logistics Ltd., CFS	-
International Cargo Terminal CFS	3.7
Seabird Marine Services Pvt Ltd.	3.1
SBW Logistics CFS , Navi Mumbai	6.6
International Cargo Terminals & Infrastructure Private Limited-CFS	2.6
PUNJAB CONWARE (PW)	2.8
Indev Logistics Pvt. Ltd.CFS	6.7
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.7
Continental Warehousing (Nhava Sheva) Ltd.	2.1
Gateway Distriparks Ltd	3.2
Apollo Logisolutions Ltd.	5.3
Vaishno Logistics Yard CFS	4.1
NAVKAR CORPORATION LTD.,YARD-II CFS	4.5
NAVAKAR CORPORATION LTD.,YARD-1 CFS	4.3
DRONAGIRI RAIL TERMINAL	2.7
MAHARASHTRA STATE WARE. CORP. CFS	5.0
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.9
Maersk Annex (APM)CFS	3.6
NAVKAR CORPORATION LTD.YARD-III CFS	10.2
APM (Maersk India Pvt. Ltd)CFS	3.1
CWC Dronagiri 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	Oct'19 (in hrs)
Ameya Logistics Pvt. Ltd.	2.3
Ashte Logistics Pvt. Ltd.	4.1
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	1.6
Balmer & Lawrie & Co. Ltd.,CFS	2.9
JWC Logistics Park Ltd CFS	4.8
Transindia Logistics Park Pvt, Ltd CFS	3.2
All Cargo Logistics Ltd., CFS	-
International Cargo Terminal CFS	3.0
Seabird Marine Services Pvt Ltd.	3.1
SBW Logistics CFS , Navi Mumbai	4.3
International Cargo Terminals & Infrastructure Private Limited-CFS	2.3
PUNJAB CONWARE (PW)	2.5
Indev Logistics Pvt. Ltd.CFS	6.4
CWC LOGISTIC PARK - Opr.Hind Trmnl.	1.9
Continental Warehousing (Nhava Sheva) Ltd.	1.7
Gateway Distriparks Ltd	2.6
Apollo Logisolutions Ltd.	6.1
Vaishno Logistics Yard CFS	1.9
NAVKAR CORPORATION LTD.,YARD-II CFS	4.0
NAVAKAR CORPORATION LTD.,YARD-1 CFS	4.3
DRONAGIRI RAIL TERMINAL	2.5
MAHARASHTRA STATE WARE. CORP. CFS	2.2
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.9
Maersk Annex (APM)CFS	3.2
NAVKAR CORPORATION LTD.YARD-III CFS	12.1
APM (Maersk India Pvt. Ltd)CFS	2.5
CWC Dronagiri CFS	-

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	Oct'19 (in hrs)
Ameya Logistics Pvt. Ltd.	2.5
Ashte Logistics Pvt. Ltd.	4.6
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.3
Balmer & Lawrie & Co. Ltd.,CFS	3.2
JWC Logistics Park Ltd CFS	5.4
Transindia Logistics Park Pvt, Ltd CFS	3.6
All Cargo Logistics Ltd., CFS	-
International Cargo Terminal CFS	3.7
Seabird Marine Services Pvt Ltd.	3.1
SBW Logistics CFS , Navi Mumbai	6.6
International Cargo Terminals & Infrastructure Private Limited-CFS	2.6
PUNJAB CONWARE (PW)	2.8
Indev Logistics Pvt. Ltd.CFS	6.7
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.7
Continental Warehousing (Nhava Sheva) Ltd.	2.1
Gateway Distriparks Ltd	3.2
Apollo Logisolutions Ltd.	5.3
Vaishno Logistics Yard CFS	4.1
NAVKAR CORPORATION LTD.,YARD-II CFS	4.5
NAVKAR CORPORATION LTD.,YARD-1 CFS	4.3
DRONAGIRI RAIL TERMINAL	2.7
MAHARASHTRA STATE WARE. CORP. CFS	5.0
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.9
Maersk Annex (APM)CFS	3.6
NAVKAR CORPORATION LTD.YARD-III CFS	10.2
APM (Maersk India Pvt. Ltd)CFS	3.1
CWC Dronagiri 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	Oct'19 (in hrs)
Ameya Logistics Pvt. Ltd.	2.1
Ashte Logistics Pvt. Ltd.	6.3
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	1.8
Balmer & Lawrie & Co. Ltd.,CFS	3.9
JWC Logistics Park Ltd CFS	5.9
Transindia Logistics Park Pvt, Ltd CFS	3.4
All Cargo Logistics Ltd., CFS	-
International Cargo Terminal CFS	2.9
Seabird Marine Services Pvt Ltd.	2.9
SBW Logistics CFS , Navi Mumbai	5.9
International Cargo Terminals & Infrastructure Private Limited-CFS	2.5
PUNJAB CONWARE (PW)	2.4
Indev Logistics Pvt. Ltd.CFS	8.2
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.0
Continental Warehousing (Nhava Sheva) Ltd.	1.6
Gateway Distriparks Ltd	3.5
Apollo Logisolutions Ltd.	7.1
Vaishno Logistics Yard CFS	4.4
NAVKAR CORPORATION LTD.,YARD-II CFS	4.9
NAVKAR CORPORATION LTD.,YARD-1 CFS	5.2
DRONAGIRI RAIL TERMINAL	2.5
MAHARASHTRA STATE WARE. CORP. CFS	42.5
Ocean Gate Container Terminals Pvt. Ltd.CFS	4.4
Maersk Annex (APM)CFS	3.1
NAVKAR CORPORATION LTD.YARD-III CFS	5.7
APM (Maersk India Pvt. Ltd)CFS	2.0
CWC Dronagiri CFS	40.5

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	Oct'19 (in hrs)
Ameya Logistics Pvt. Ltd.	2.6
Ashte Logistics Pvt. Ltd.	5.4
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	1.7
Balmer & Lawrie & Co. Ltd.,CFS	3.2
JWC Logistics Park Ltd CFS	3.6
Transindia Logistics Park Pvt, Ltd CFS	3.1
All Cargo Logistics Ltd., CFS	-
International Cargo Terminal CFS	3.6
Seabird Marine Services Pvt Ltd.	3.3
SBW Logistics CFS , Navi Mumbai	4.1
International Cargo Terminals & Infrastructure Private Limited-CFS	2.7
PUNJAB CONWARE (PW)	2.7
Indev Logistics Pvt. Ltd.CFS	6.5
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.1
Continental Warehousing (Nhava Sheva) Ltd.	1.7
Gateway Distriparks Ltd	3.5
Apollo Logisolutions Ltd.	5.1
Vaishno Logistics Yard CFS	2.4
NAVKAR CORPORATION LTD.,YARD-II CFS	4.0
NAVKAR CORPORATION LTD.,YARD-1 CFS	4.0
DRONAGIRI RAIL TERMINAL	1.7
MAHARASHTRA STATE WARE. CORP. CFS	1.4
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.5
Maersk Annex (APM)CFS	3.7
NAVKAR CORPORATION LTD.YARD-III CFS	15.4
APM (Maersk India Pvt. Ltd)CFS	2.4
CWC Dronagiri CFS	-

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 Oct'19				
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	4.2
Cluster 2	6	13	3.2	7.1
Cluster 3	6	11	3.0	6.5
Cluster 4	1	13	4.1	3.5
Cluster 5	2	25	4.6	7.3
Cluster 6	6	25	5.0	8.7
Cluster 7	4	12	2.3	5.7
Cluster 8	1	34	6.6	17.3

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Oct'19				
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	1.6	2.7
Cluster 2	6	13	2.6	2.6
Cluster 3	6	11	2.5	2.7
Cluster 4	1	13	1.9	2.9
Cluster 5	2	25	4.3	4.3
Cluster 6	6	25	5.2	6.6
Cluster 7	4	12	2.3	3.2
Cluster 8	1	34	4.3	15.2

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**

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 Oct'19				
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	3.6	1.7
Cluster 2	6	13	2.9	2.0
Cluster 3	6	11	9.1	2.1
Cluster 4	1	13	20.8	0.0
Cluster 5	2	25	14.2	2.7
Cluster 6	6	25	7.8	4.4
Cluster 7	4	12	2.4	2.1
Cluster 8	1	34	31.6	5.9






CFS Cluster : NSIGT Terminal

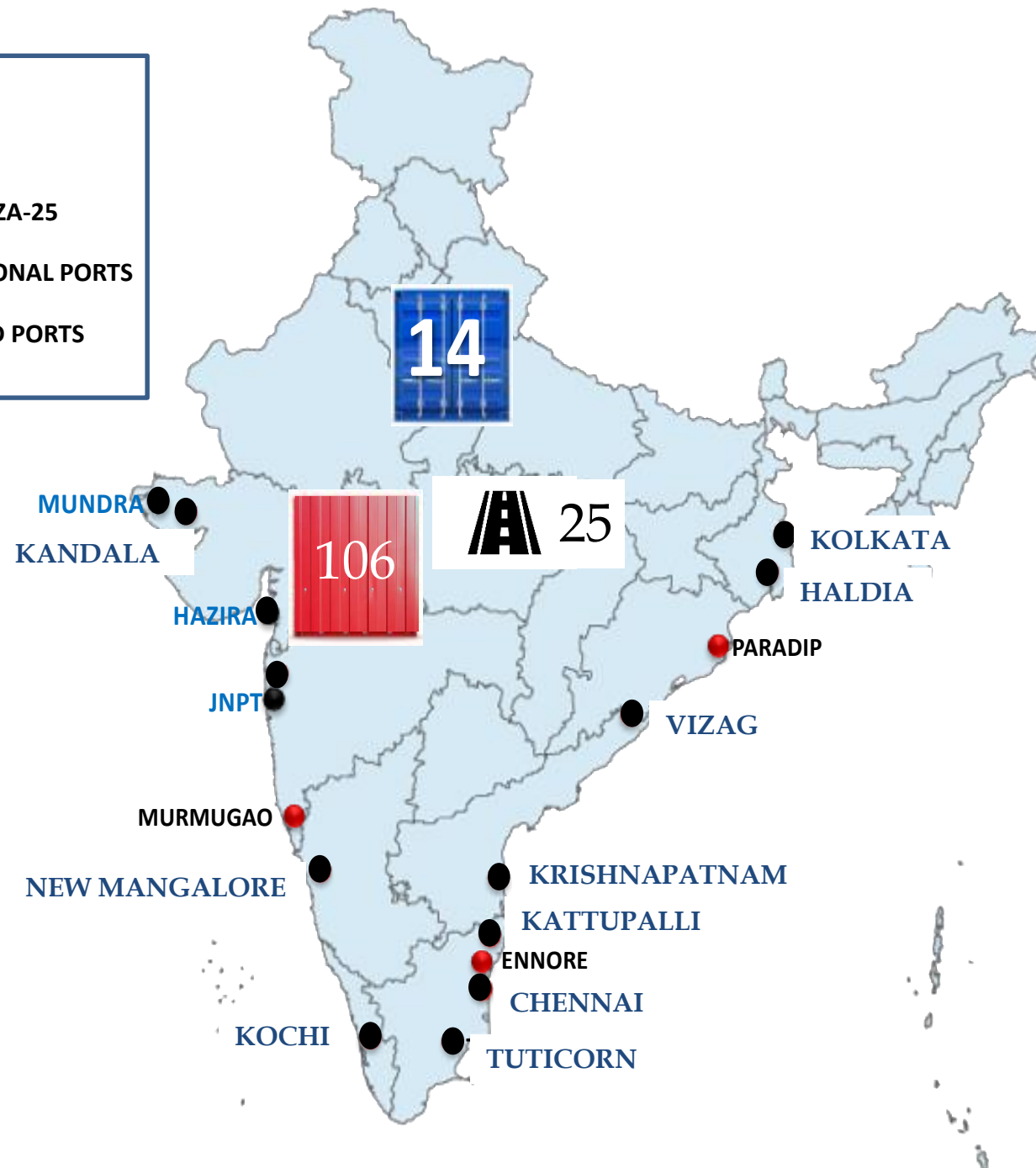
JNPCT terminal for month of Oct'19				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	1.8	2.4
Cluster 2	6	13	2.9	3.1
Cluster 3	6	11	2.7	3.2
Cluster 4	1	13	4.4	2.7
Cluster 5	2	25	5.1	4.0
Cluster 6	6	25	6.0	6.4
Cluster 7	4	12	2.1	3.3
Cluster 8	1	34	5.9	10.2

CFS Cluster : BMCT Terminal

JNPCT terminal for month of Oct'19				
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	2.8
Cluster 2	6	13	3.2	2.5
Cluster 3	6	11	2.2	2.9
Cluster 4	1	13	2.4	2.4
Cluster 5	2	25	3.6	3.8
Cluster 6	6	25	5.2	8.2
Cluster 7	4	12	2.6	3.8
Cluster 8	1	34	4.1	-

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



THANK YOU