

Logistics Databank Analytics Report for JNPT- October 2018



JNPT Port Terminals

- Rail bound container handling performance at JNPT in import cycle has improved significantly by:
 - 26% in Month-on-Month Analysis (Sep'18 vs Oct'18)
 - 55% in Year-on-Year Analysis (Oct'17 vs Oct'18)
- Dwell time performance of Direct Port Delivery(DPD) container has increased by 7% as compared to previous month. (49.5 hrs in Oct'18 from 53.2 hrs in Sep'18)
- Dwell time performance for handling empty container in export cycle at Gateway Terminals India (GTI) has improved by 37% as compared to previous month. (66.0 hrs in Oct'18 from 41.7 hrs in Sep'18)
- Dwell time performance in export cycle at Bharat Mumbai Container Terminals(PSA) has improved by 30% as compared to previous month. (61.5 hrs in Oct'18 from 43.0 hrs in Sep'18)
- Dwell time performance in import cycle at 3 out of 5 terminals of JNPT has improved significantly:

Terminal	Sep'18 (in hrs)	Oct'18 (in hrs)	Percentage Change
Gateway Terminals India (GTI)	57.7	36.8	36% ↑
Nhava Sheva India Gateway Terminal (NSIGT)	86.4	60.5	30% ↑
Nhava Sheva International Container Terminal (NSICT)	73.4	53.5	27% ↑

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

Container Lifecycle (Import Cycle)

Mode	Sep'18 (in hrs)	Oct'18 (in hrs)
Overall	40.6	34.9
Truck	37.3	32.8
Train	65.7	48.4

Mode	Sep'18 (in hrs)	Oct'18 (in hrs)
Overall	67.4	67.8
Truck	65.4	66.0
Train	94.9	95.3

Transit Cycle	Sep'18 (in hrs)	Oct'18 (in hrs)
Port to ICD	63.9	73.9
Port to CFS	3.1	3.2
ICD to Port	65.8	62.1
CFS to Port	6.1	6.0

Entity	Sep'18 (in hrs)	Oct'18 (in hrs)
CFS	81.3	83.7
ICD	120.9	143.3

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

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

Container Lifecycle (Export Cycle)

IMPORT CYCLE DWELL TIME (Oct'18 – in hrs)			Compared to Sep'18
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	34.9	14% ↑
	Port Dwell Time for Truck Bound Containers	32.8	12% ↑
	Port Dwell time for Train Bound Containers	48.4	26% ↑
	Port Dwell time Direct Port Delivery (DPD) containers	49.5	7% ↑
	Port Dwell time Containers bound for CFS	30.8	10% ↑
	Port Dwell time Containers bound for ICD	33.7	37% ↑

EXPORT CYCLE DWELL TIME (Oct'18– in hrs)			Compared to Sep'18
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	67.8	1% ↓
	Port Dwell Time for Truck Bound Containers	66.0	1% ↓
	Port Dwell time for Train Bound Containers	95.3	0.4% ↓
	Port Dwell time Direct Port Entry (DPE) containers	58.9	10% ↑
	Port Dwell time Containers bound from CFS	63.6	0.3% ↑
	Port Dwell time Containers bound from ICD	91.0	0.3% ↑

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

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

IMPORT

Port Dwell time based on transit type

Oct'18	Direct Port Delivery containers	Containers bound for CFS	Containers bound for ICD
Dwell time	49.5 hrs	30.8 hrs	33.7 hrs

Port Dwell time based on container type

Oct'18	Laden Containers		Empty Containers	
Dwell time	35.9 hrs	11% ↑	44.7 hrs	20% ↑

EXPORT

Port Dwell time based on transit type

Oct'18	Direct Port Export Containers	Containers bound from CFS	Containers bound from ICD
Dwell time	58.9 hrs	63.6 hrs	91.0 hrs

Port Dwell time based on container type

Oct'18	Laden Containers		Empty Containers	
Dwell time	62.4 hrs	4% ↑	73.4 hrs	10% ↓

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



Performance Benchmarking - Port Terminals



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

Top Performing Terminal

Gateway Terminals India (GTI)

Sep'18	Oct'18
51.6 hrs	50.6 hrs

Low Performing Terminal

Adani CMA Mundra Terminal (ACMTTL)

Sep'18	Oct'18
85.7 hrs	72.6 hrs

Note: The performance benchmarking is based on performance index

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

Performance Index-Port Terminals

In order to assess the relative performance of Port terminals, the relative Dwell time as well as the volume of containers handled by them are depicted graphically in the form of an index to portray the performance of a particular organisation on the basis of these two combined factors i.e. Dwell time and Volume

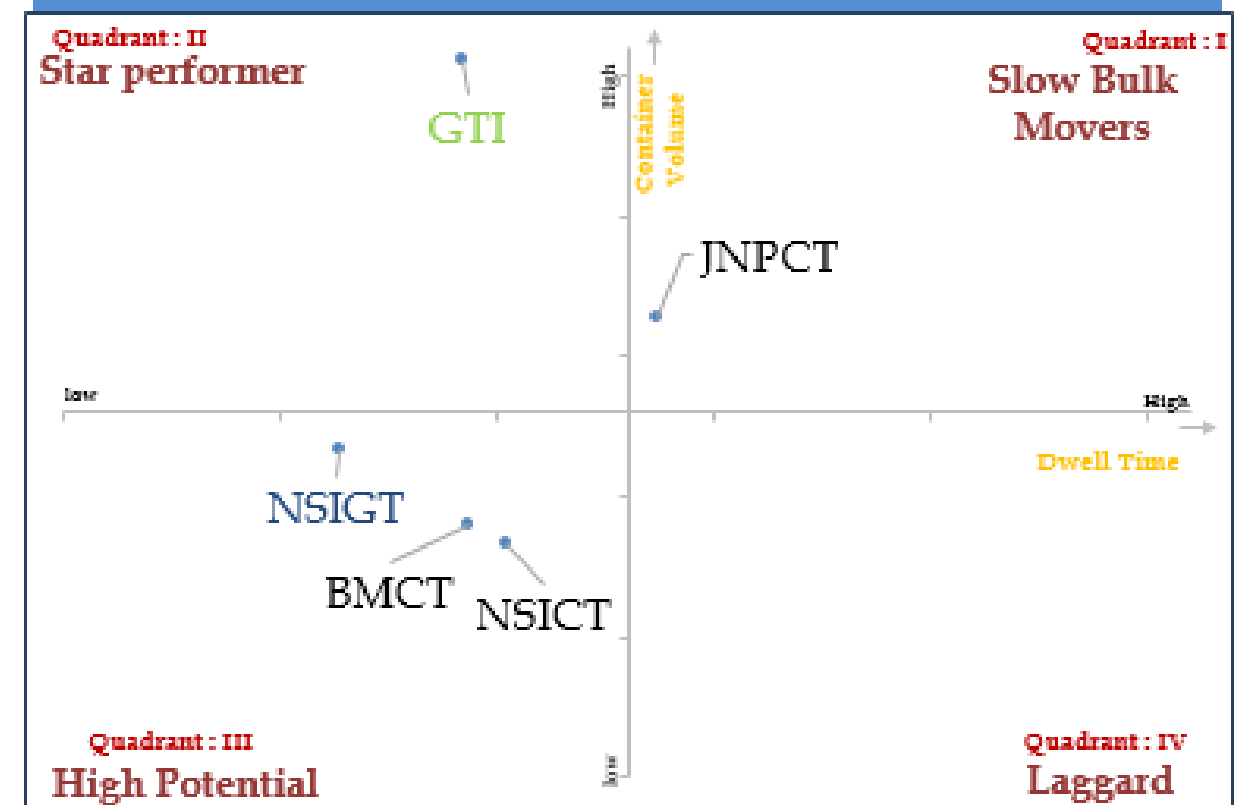
Star Performer: consist of Ports which have catered relatively high container volume in lower dwell time

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

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

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

Port Terminal Performance Index : Oct'18



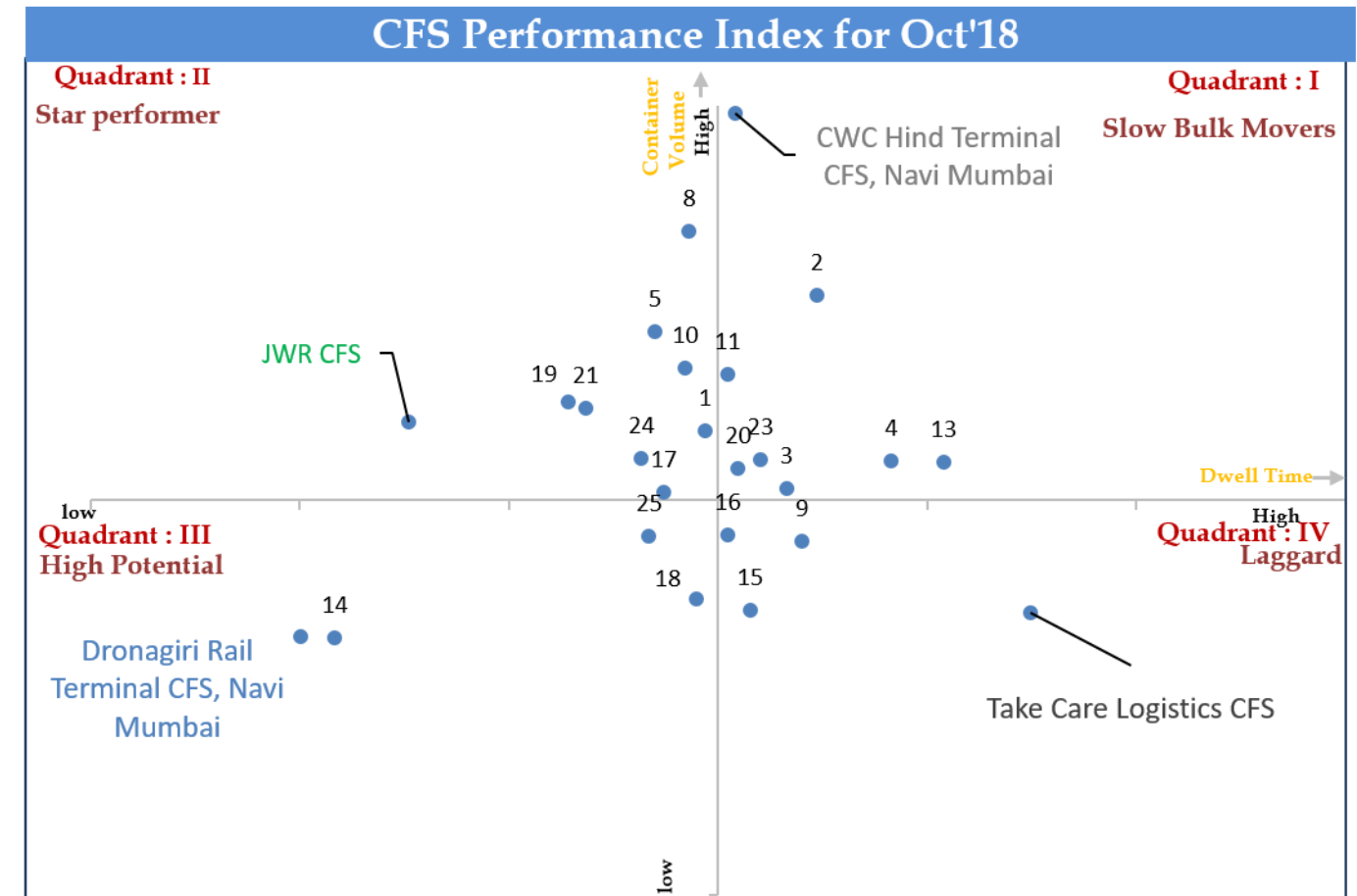
Performance Benchmarking - CFS(s)

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

Top Performing Terminal		
JWR CFS		
Sep'18	Oct'18	
58.9	56.7	↑
Low Performing Terminal		
Take Care Logistics CFS		
Sep'18	Oct'18	
106.3	115.0	↓

Note: The performance benchmarking is based on performance index

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



Performance Benchmarking - ICD

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



Top Performing Terminal

Gateway Rail Freight ICD, Gurgaon

Sep'18	Oct'18
137.0 hrs	109.5 hrs



Low Performing Terminal

CONCOR ICD, Aurangabad

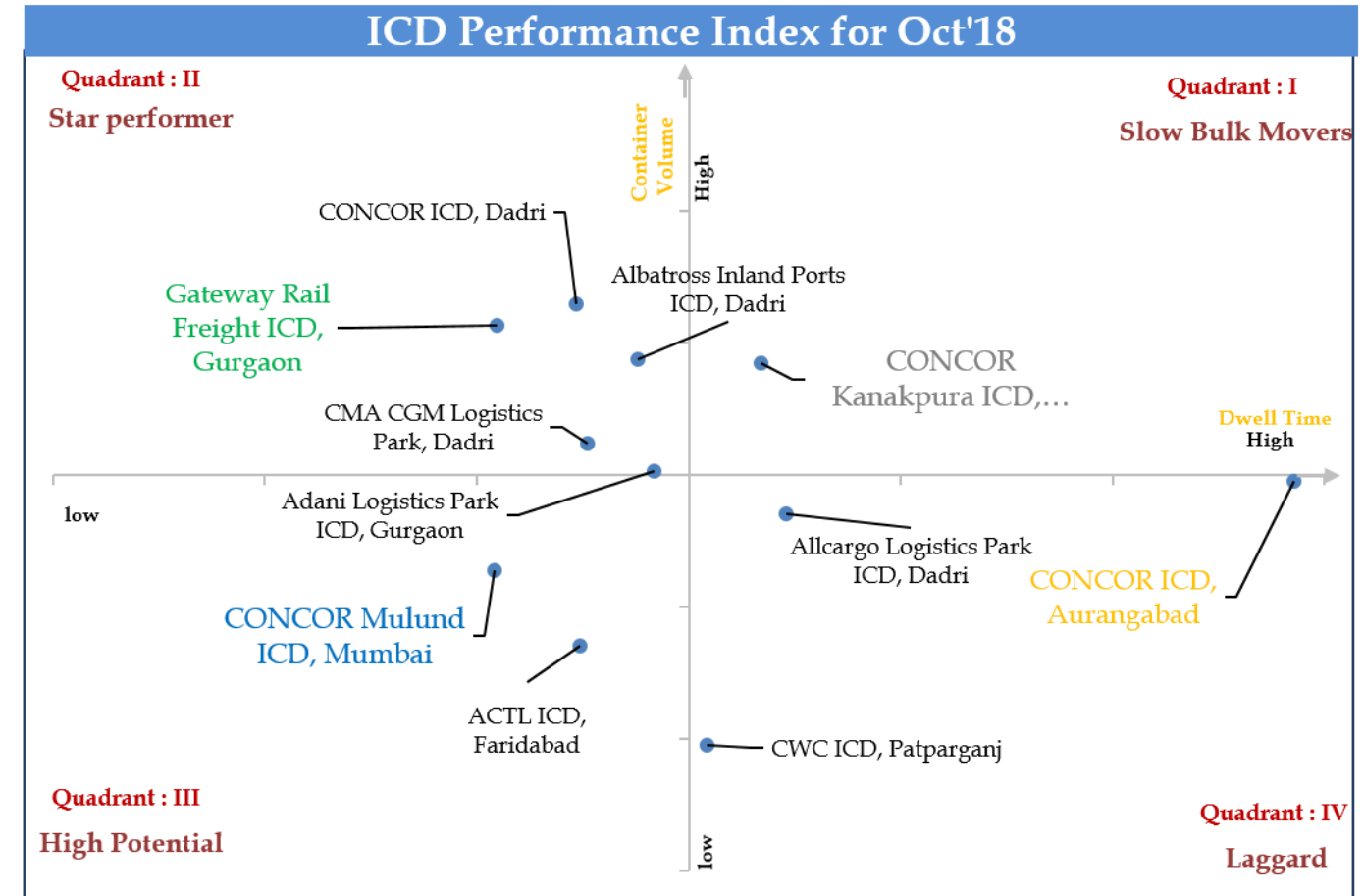
Sep'18	Oct'18
211.0 hrs	262.7 hrs



Note: The performance benchmarking is based on performance index



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



Import Cycle Analysis

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

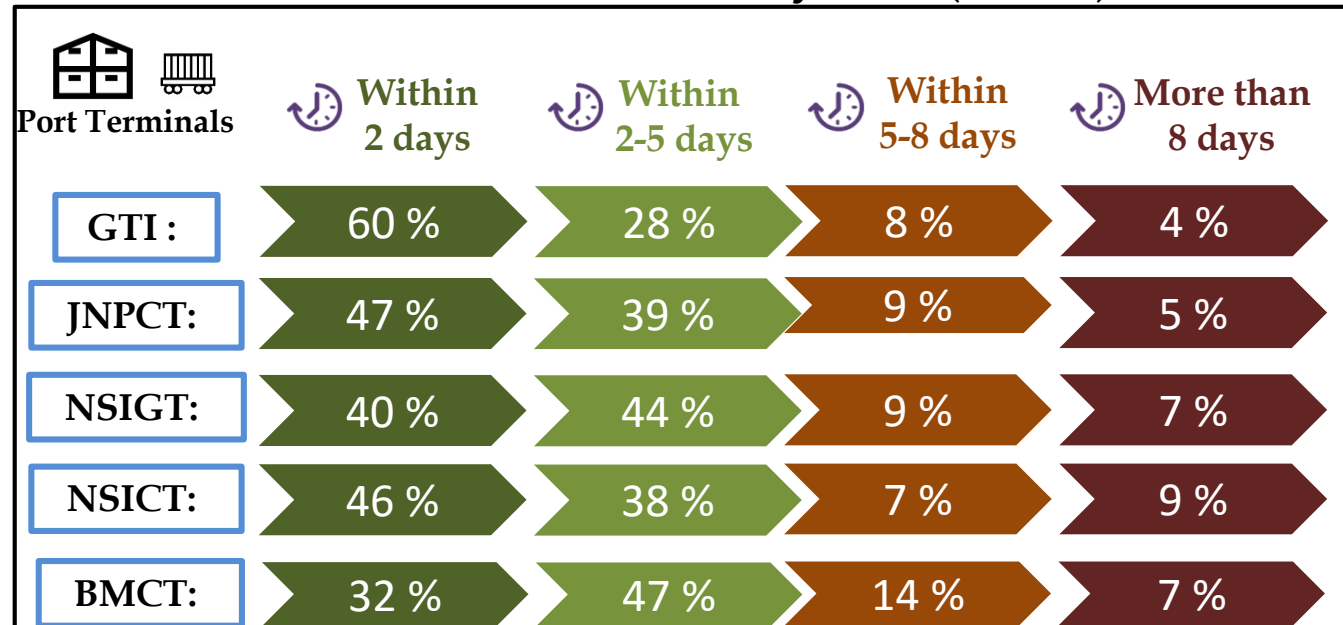
PORT IMPORT via TRAIN

(17 % 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	Sep'18 (in hrs)	Oct'18 (in hrs)
GTI	57.7	36.8
JNPCT	62.0	51.8
NSIGT	86.4	60.5
NSICT	73.4	53.5
BMCT	86.8	70.6

Container Handled: Day wise (Oct'18)



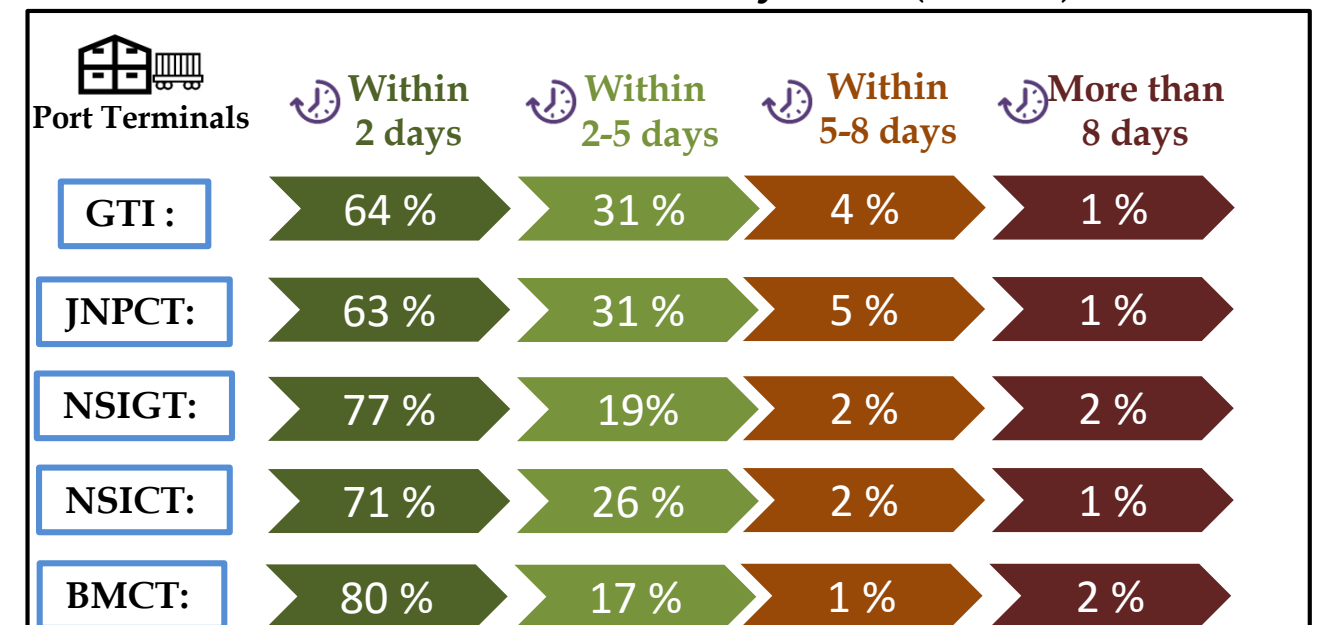
PORT IMPORT via TRUCK

(83 % 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	Sep'18 (in hrs)	Oct'18 (in hrs)
GTI	34.0	37.0
JNPCT	45.0	35.5
NSIGT	34.6	27.4
NSICT	39.5	32.8
BMCT	42.5	24.2

Container Handled: Day wise (Oct'18)



The below tables depict the detailed JNPT region port performance in the month of October'18

JNPCT			
Port Dwell time based on transit type			
Oct'18	Direct Port Delivery containers	Containers bound for CFS	Containers bound for ICD
Dwell time (in hrs)	42.3 hrs	33.0 hrs	77.22 hrs
Port Dwell time based on container type			
Oct'18	Laden Containers	Empty Containers	
Dwell time (in hrs)	35.5 hrs	50.9 hrs	

GTI			
Port Dwell time based on transit type			
Oct'18	Direct Port Delivery containers	Containers bound for CFS	Containers bound for ICD
Dwell time (in hrs)	54.2 hrs	57.92 hrs	90.95 hrs
Port Dwell time based on container type			
Oct'18	Laden Containers	Empty Containers	
Dwell time (in hrs)	39.1 hrs	41.3 hrs	

The below tables depict the detailed JNPT region port performance in the month of October'18

NSICT			
Port Dwell time based on transit type			
Oct'18	Direct Port Delivery containers	Containers bound for CFS	Containers bound for ICD
Dwell time (in hrs)	-	65.09 hrs	86.36 hrs

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	38.1 hrs	38.1 hrs

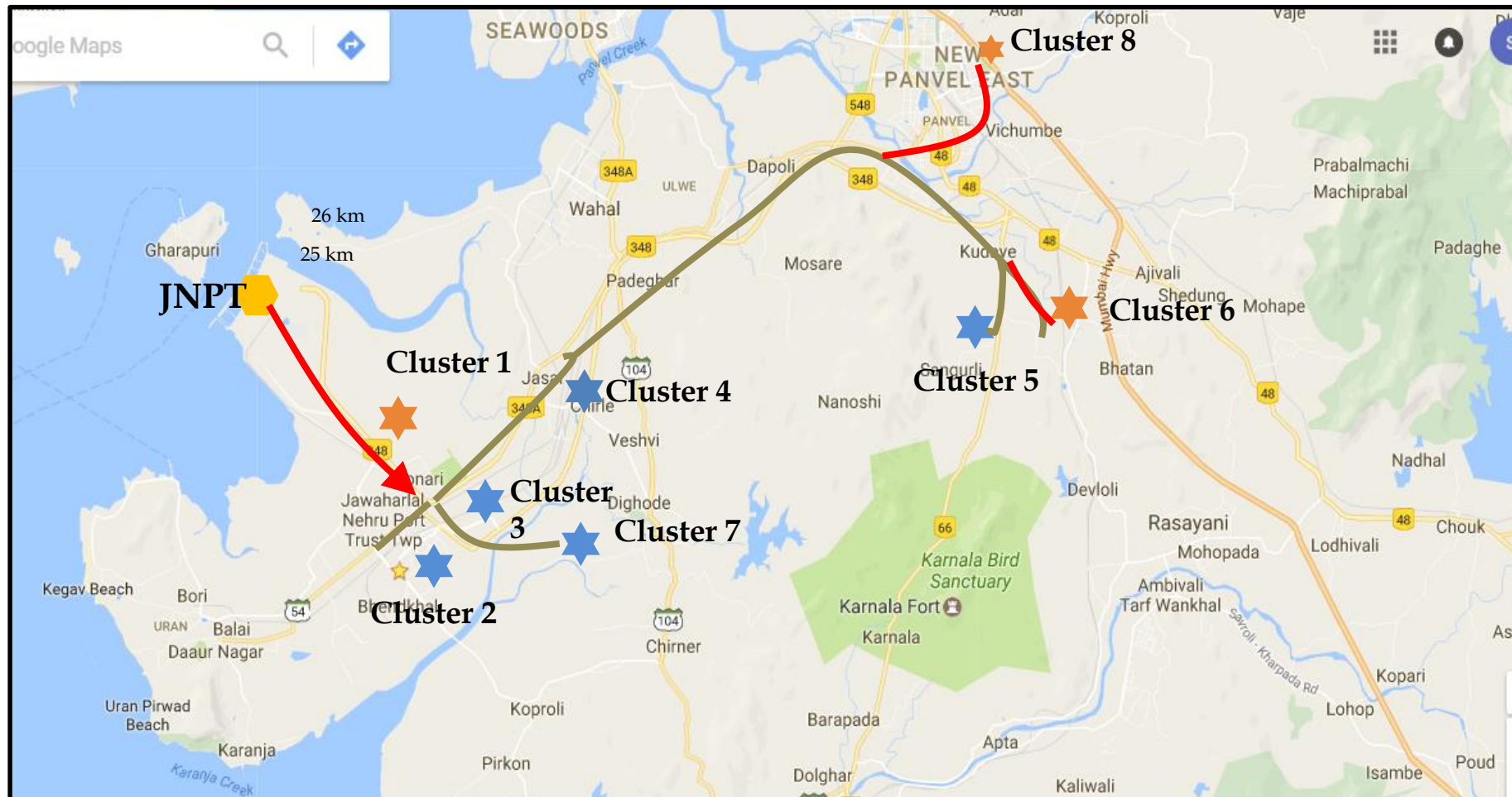
NSIGT			
Port Dwell time based on transit type			
Oct'18	Direct Port Delivery containers	Containers bound for CFS	Containers bound for ICD
Dwell time (in hrs)	-	65.53 hrs	136.85 hrs

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	33.0 hrs	37.6 hrs

BMCT			
Port Dwell time based on transit type			
Oct'18	Direct Port Delivery containers	Containers bound for CFS	Containers bound for ICD
Dwell time (in hrs)	52.3 hrs	67.71 hrs	-

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	27.4 hrs	50.3 hrs

JNPT Import Congestion Analysis



Legends

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

Clusters with bottleneck	
Cluster 1	JNPT Y Junction Area
Cluster 6	Salva apta rd area, Bangalore highwa
Cluster 8	Taloja, Navi Mumbai

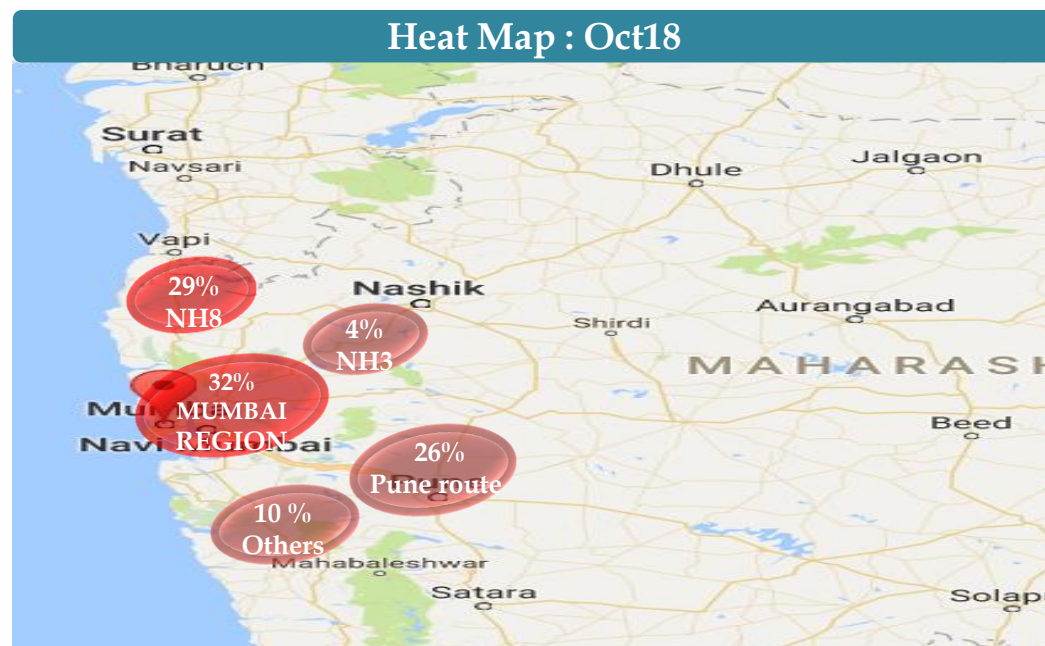
Clusters without bottleneck	
Cluster 2	Bhendkhal area, Khopate road
Cluster 3	Sonari area, JNPT road
Cluster 4	Chirle area , JNPT road
Cluster 5	Plaspa area, Coachi kanyakumari Highway
Cluster 7	Patilpada area, Khopate JNPT road

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Oct'18
Mumbai region	32%
NH3	4%
Pune	26%
NH8	29%
others	10%

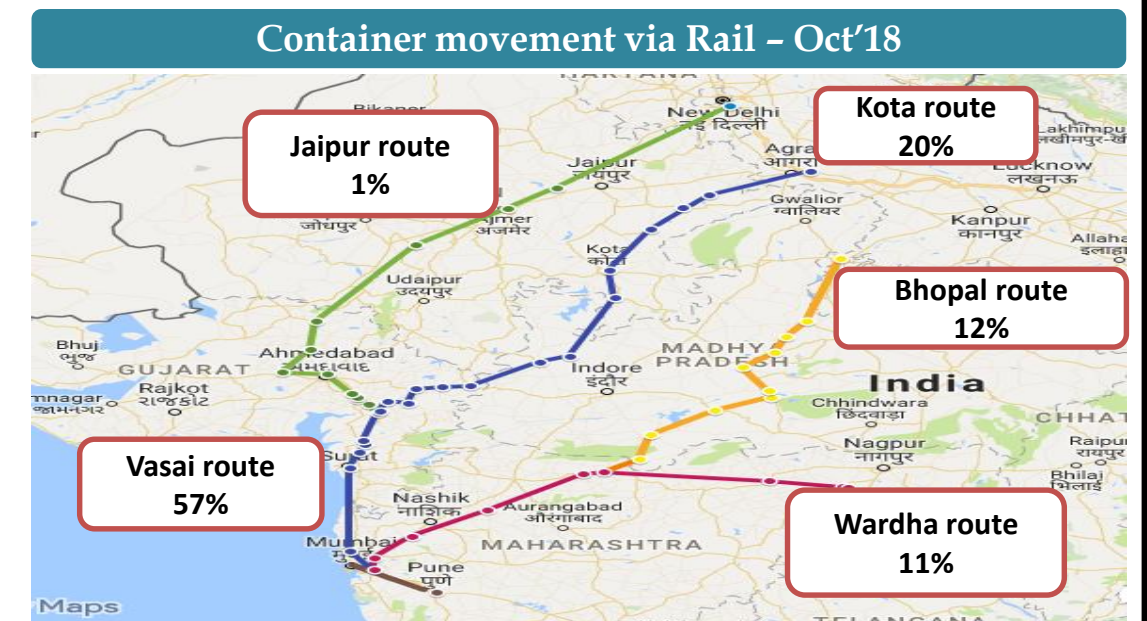
The figure depicts the movement of containers via truck in and around Mumbai region.



Train
VOLUME WISE CONTAINER MOVEMENT

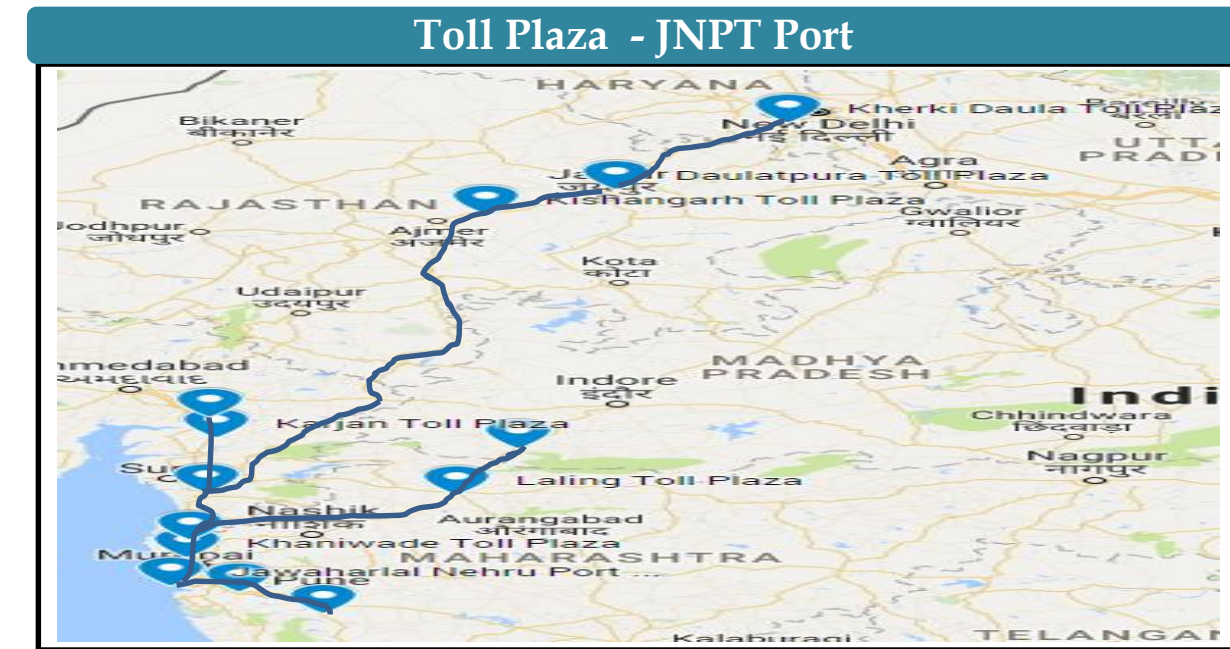
Region	Oct'18
Vasai Route	57%
Jaipur Route	1%
Kota Route	20%
Bhopal Route	12%
Wardha Route	11%

The map shows the volume wise container movement through different railway routes in import cycle for Oct18



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

	Source	Destination Toll Plaza	Inter Distance (Km)	Sep'18 Avg. Speed (Km/Hr.)	Oct'18 Avg. Speed (Km/Hr.)
JNPT	JNPT	Khaniwade	94	11.9	14.0
	JNPT	Khalapur	60	6.0	15.1
	Khaniwade	Charoti	50	36.2	36.6
	Charoti	Boriach	126	25.2	26.0
	Boriach	Bharthan	142	30.6	31.4
	Bharthan	Vasad	60	42.3	43.5
	Khalapur	Khedshivpur	105	28.6	27.2
	Daulatpura	Kherki	199	22.0	24.3



Export Cycle Analysis

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

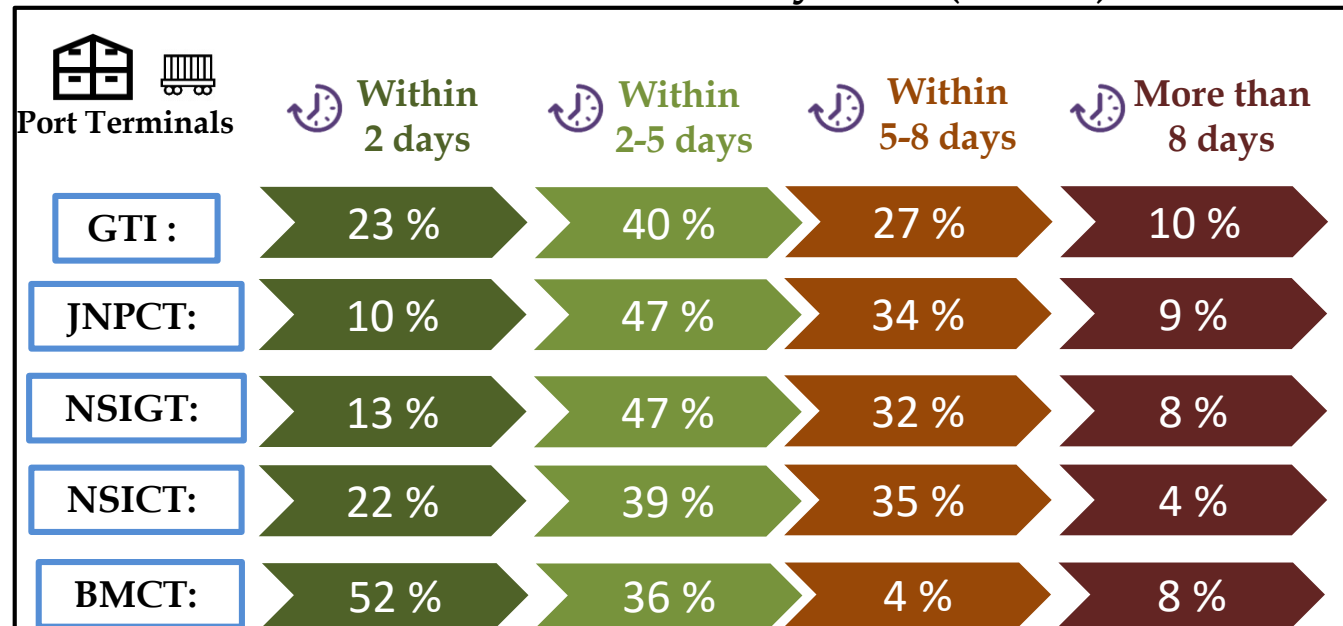
PORT EXPORT via TRAIN

(13 % of total import 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	Sep'18 (in hrs)	Oct18 (in hrs)
GTI	89.0	90.2
JNPCT	121.9	105.1
NSIGT	87.6	103.7
NSICT	97.3	96.6
BMCT	61.5	43.0

Container Handled: Day wise (Oct'18)



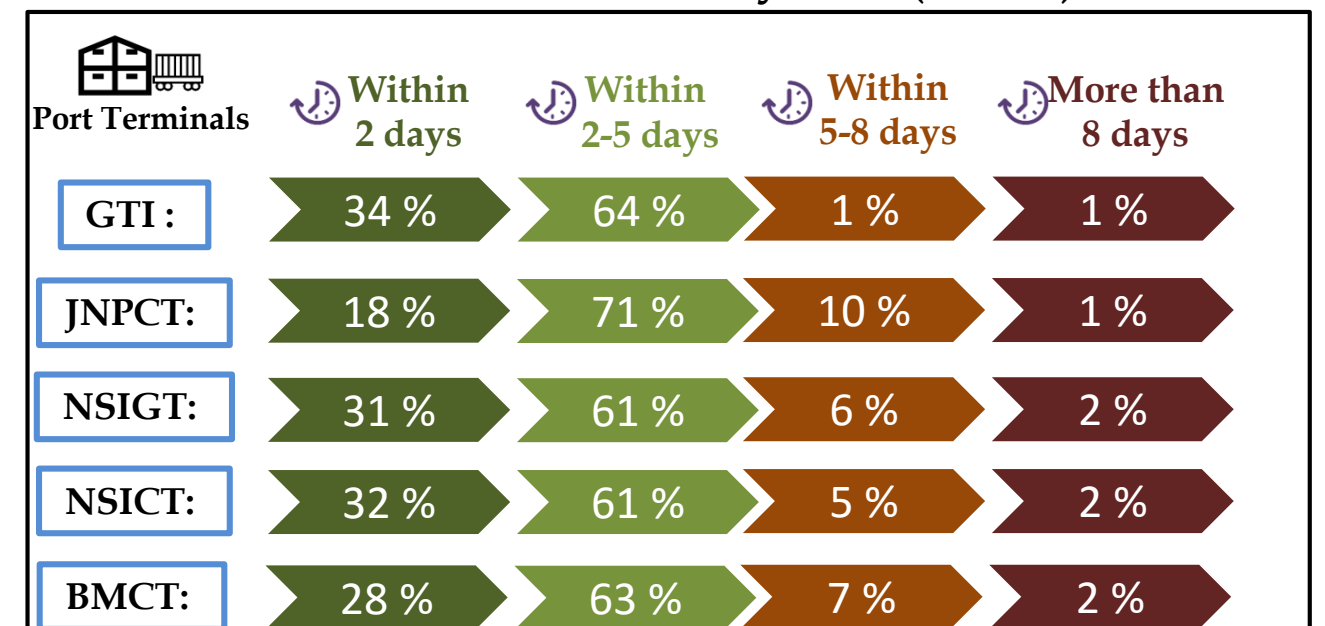
PORT EXPORT via TRUCK

(87 % of total import 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	Sep'18 (in hrs)	Oct18 (in hrs)
GTI	64.5	59.9
JNPCT	70.2	74.6
NSIGT	63.6	64.6
NSICT	64.7	66.4
BMCT	63.8	68.1

Container Handled: Day wise (Oct'18)



The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for Oct'18

JNPCT

Port Dwell time based on transit type			
Oct'18	Direct Port Export containers	Containers bound from CFS	Containers bound from ICD
Dwell time (in hrs)	64.5 hrs	67.1 hrs	77.2 hrs

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	63.6 hrs	84.5 hrs

GTI

Port Dwell time based on transit type			
Oct'18	Direct Port Export containers	Containers bound from CFS	Containers bound from ICD
Dwell time (in hrs)	57.0 hrs	57.9 hrs	90.9 hrs

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	57.3 hrs	68.0 hrs

The below tables depict the Dwell Time of containers based on their transit and occupancy at JNPT port for Oct'18

NSICT			
Port Dwell time based on transit type			
Oct'18	Direct Port Export containers	Containers bound from CFS	Containers bound from ICD
Dwell time (in hrs)	-	65.1 hrs	86.36 hrs

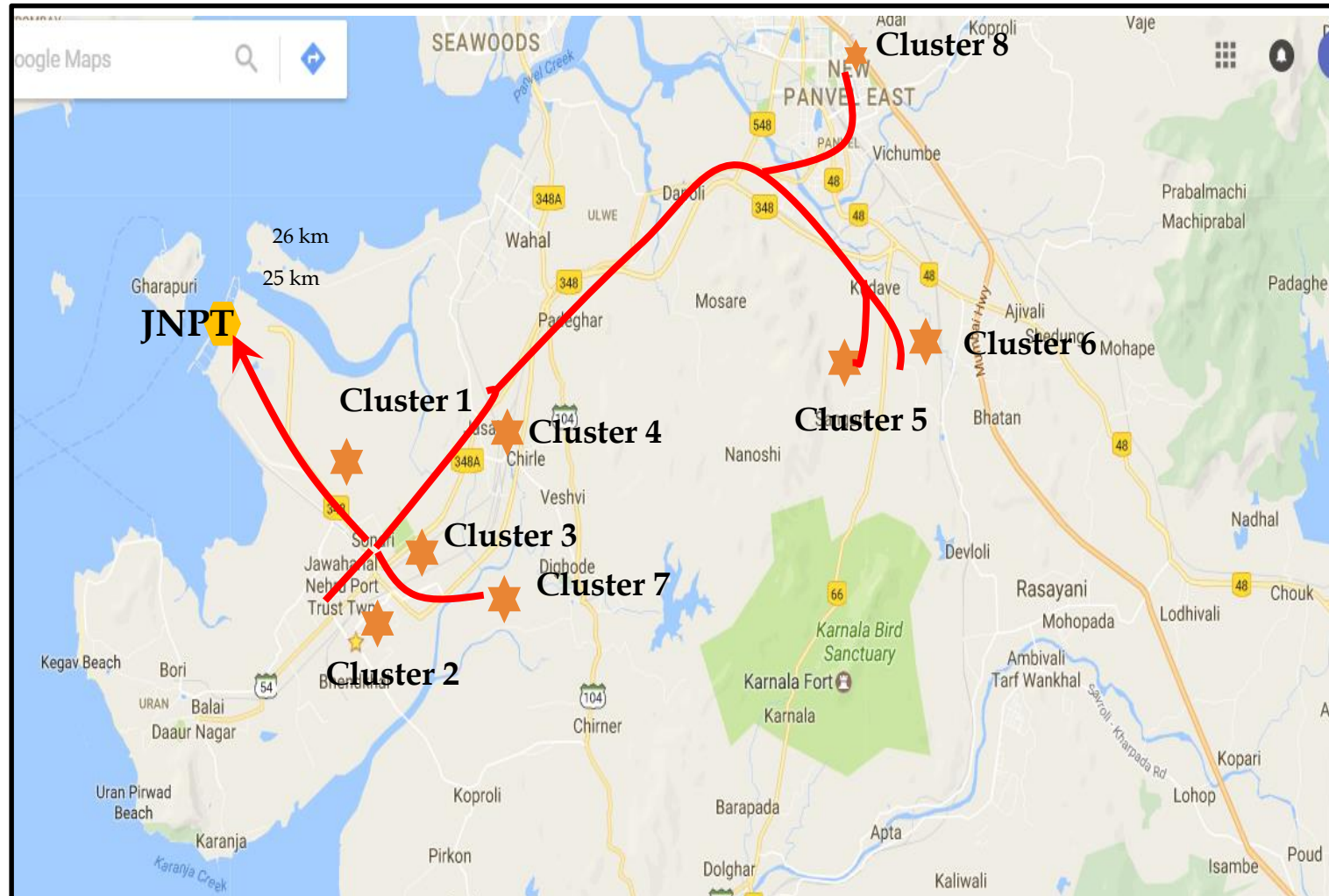
Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	67.9 hrs	41.7 hrs

NSIGT			
Port Dwell time based on transit type			
Oct'18	Direct Port Export containers	Containers bound from CFS	Containers bound from ICD
Dwell time (in hrs)	-	65.5 hrs	136.8 hrs

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	68.0 hrs	50.3 hrs

BMCT			
Port Dwell time based on transit type			
Oct'18	Direct Port Export containers	Containers bound from CFS	Containers bound from ICD
Dwell time (in hrs)	-	67.7 hrs	-

Port Dwell time based on container type		
Oct'18	Laden Containers	Empty Containers
Dwell time (in hrs)	68.5 hrs	67.5 hrs

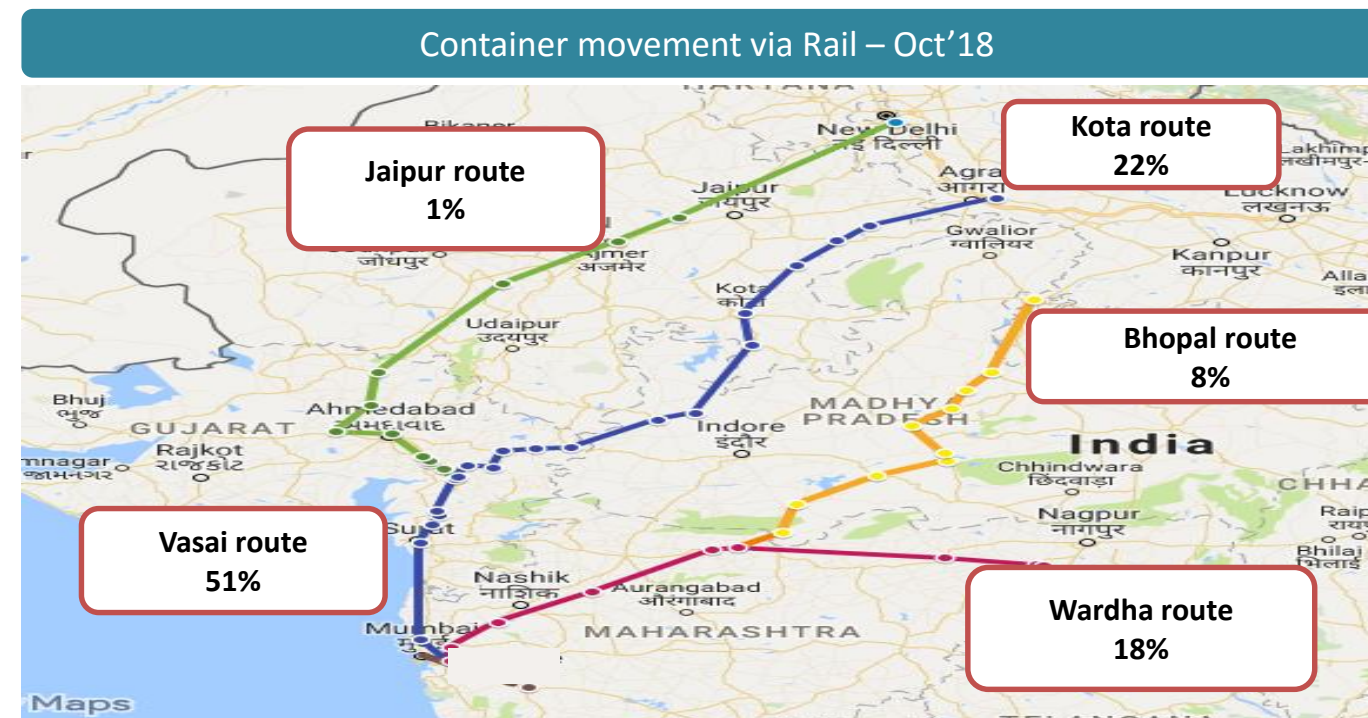


Cluster with bottleneck	
Cluster 1	JNPT Area
Cluster 2	Bhendkhal area, Khopate road
Cluster 3	Sonari area, JNPT road
Cluster 4	Chirle area, JNPT road
Cluster 5	Plaspa area, Coachi kanyakumari Highway
Cluster 6	Salva apta rd area, Bangalore highway
Cluster 7	Patilpada area, Khopate JNPT road
Cluster 8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

Container movement around JNPT Port terminal region via Train

To JNPT Port From	
Route	Percentage of Container Movement
Vasai Route	51%
Jaipur Route	1%
Kota Route	22%
Bhopal Route	8%
Wardha Route	18%

The map shows the volume wise container movement through different railway routes in export cycle for Oct'18



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'18

CFS Dwell Time (in hrs)					
CFS	Sep'18	Oct'18	CFS	Sep'18	Oct'18
All Cargo Logistics CFS, Navi Mumbai	73.3	84.5	JWR CFS	58.9	56.7
Ameya Logistics CFS, Navi Mumbai	83.2	94.9	Maersk Annex (APM)CFS, Navi Mumbai	105.2	106.8
Apollo Logisolutions CFS, Panvel	82.9	92.1	Maharashtra State Corp CFS	56.8	49.9
Ashte Logistics CFS, Panvel	96.6	101.9	Navkar Corporation Yard 1 CFS, Panvel	100.4	88.7
Continental Warehousing CFS, Navi Mumbai	77.5	79.8	Navkar Corporation Yard 2 CFS, Panvel	90.8	86.6
CWC Hind Terminal CFS, Navi Mumbai	89.3	87.3	Navkar Corporation Yard 3 CFS, Panvel	86.3	80.6
Dronagiri Rail Terminal CFS, Navi Mumbai	50.0	46.6	Ocean Gate CFS, Panvel	104.5	83.7
Gateway Distriparks CFS, Navi Mumbai	71.6	83.0	Punjab Conware CFS, Navi Mumbai	75.7	71.6
Indev Logistics CFS, Panvel	85.5	93.6	Seabird CFS, Navi Mumbai	82.4	87.6
International Cargo Terminal CFS	82.0	82.6	Speedy Multimode CFS, JNPT	69.6	73.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	84.8	86.6	Take Care Logistics CFS	106.3	115.0
			TG Terminals CFS	86.4	89.7
			Transindia Logistics Park, Navi Mumbai	80.7	78.5
			Vaishno Logistics CFS, Navi Mumbai	74.5	79.3

In JNPT Region

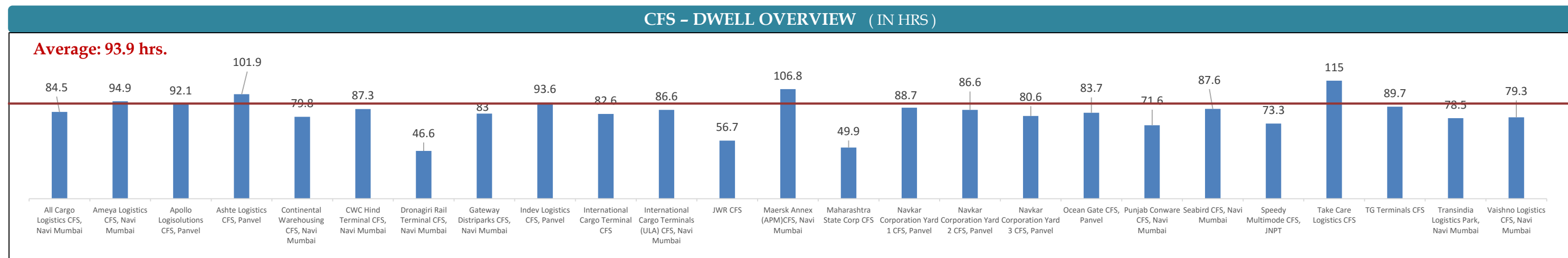
Top Performing CFS

Dronagiri Rail Terminal CFS, Navi Mumbai	46.6 hrs
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Low Performing CFS

Take Care Logistics CFS	115.0 hrs
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*Based on Dwell time for Oct'18



ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)		
ICD	Sep'18	Oct'18
ACTL ICD, Faridabad	109.9	125.3
Adani Logistics Park ICD, Gurgaon	118.0	139.6
Albatross Inland Ports ICD, Dadri	139.7	136.6
Allcargo Logistics Park ICD, Dadri	132.5	165.0
CMA CGM Logistics Park, Dadri	107.5	126.8
CONCOR ICD, Aurangabad	211.0	262.7
CONCOR ICD, Dadri	120.6	124.7
CONCOR Kanakpura ICD, Jaipur	140.8	160.2
CONCOR Mulund ICD, Mumbai	88.2	109.0
CWC ICD, Patparganj	167.2	149.8
Gateway Rail Freight ICD, Gurgaon	137.0	109.5

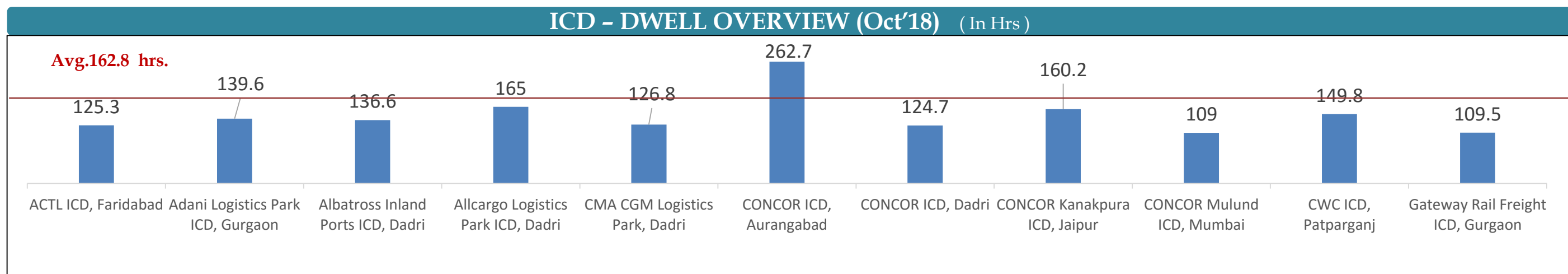
Top Performing ICD

CONCOR Mulund ICD, Mumbai	109.0 hrs
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Low Performing ICD

CONCOR ICD, Aurangabad	262.7 hrs
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*Based on Dwell time for Oct'18

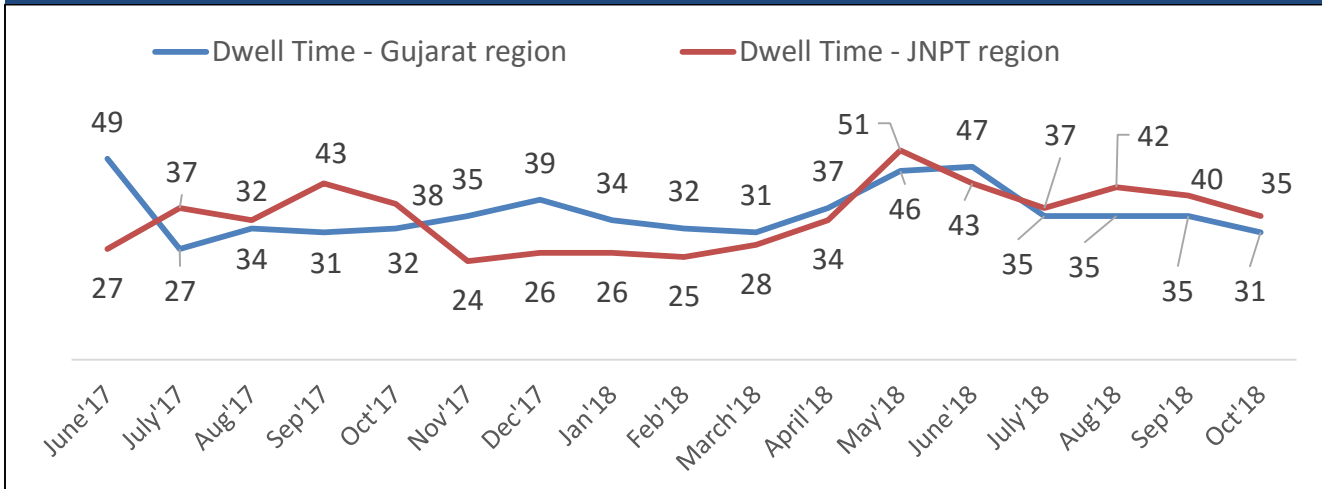


Trend Analysis

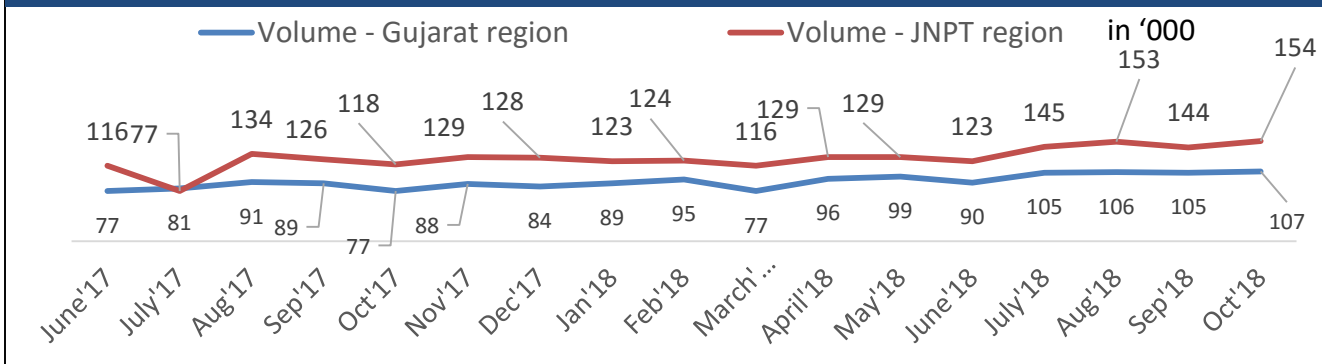
Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until Oct'18

Import Cycle

Dwell Time – Gujarat Region Vs JNPT Region



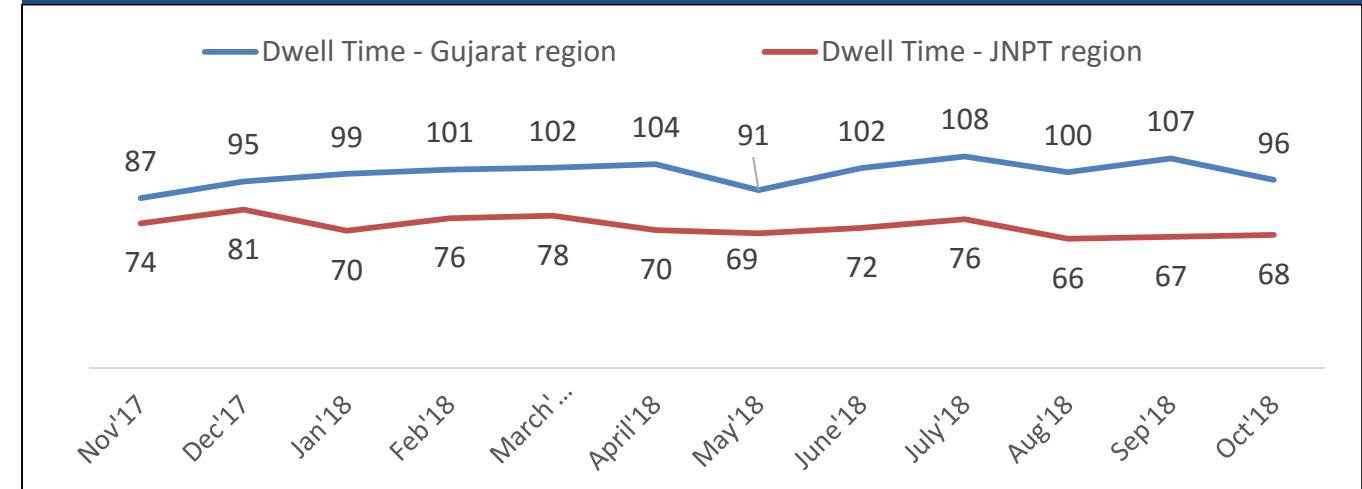
Volume – Gujarat Region Vs JNPT Region



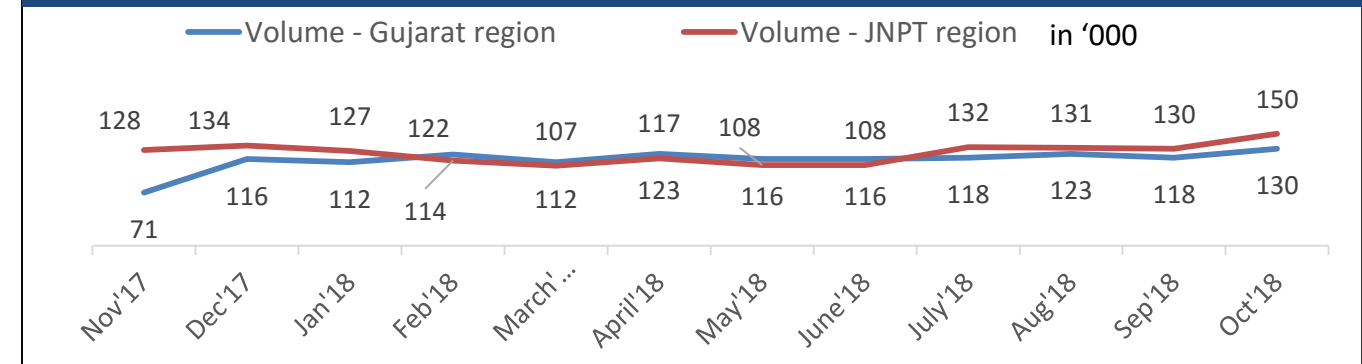
In Import cycle, for the month of Oct'18 JNPT port has catered **44% more volume** than APSEZ Port, and its **dwell time is 13% higher** than APSEZ Port

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region



Volume – Gujarat Region Vs JNPT Region

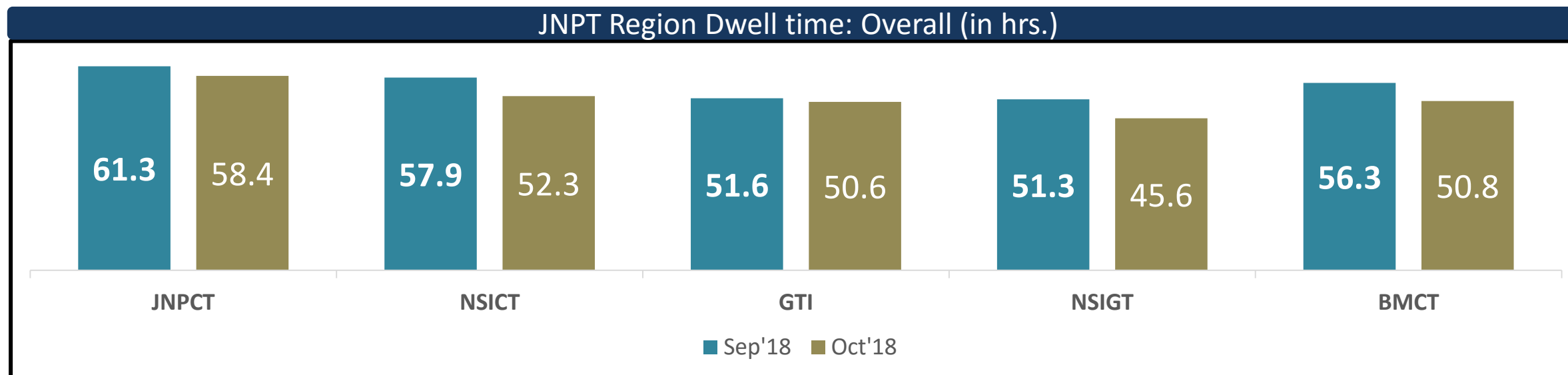


In Export cycle, Volume catered by APSEZ port in Oct'18 is just **16% less** than JNPT Port, yet the dwell time is **37% higher** than JNPT Port

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 combine) 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



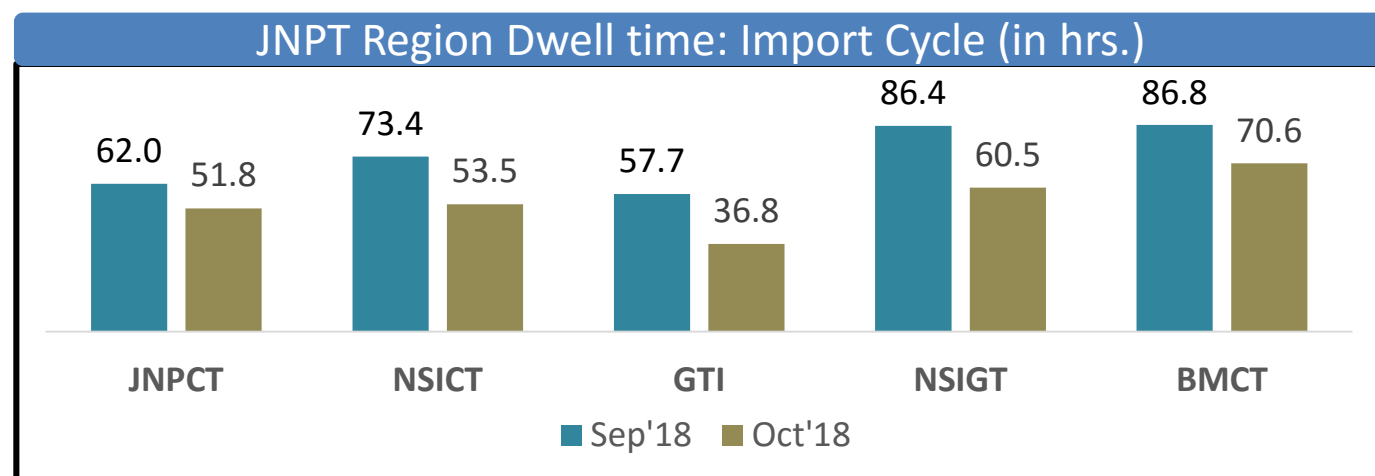
The overall JNPT region average dwell time for Oct'18 is 51.8 hrs as compared to 54.6 hrs in Sep'18

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Oct'18



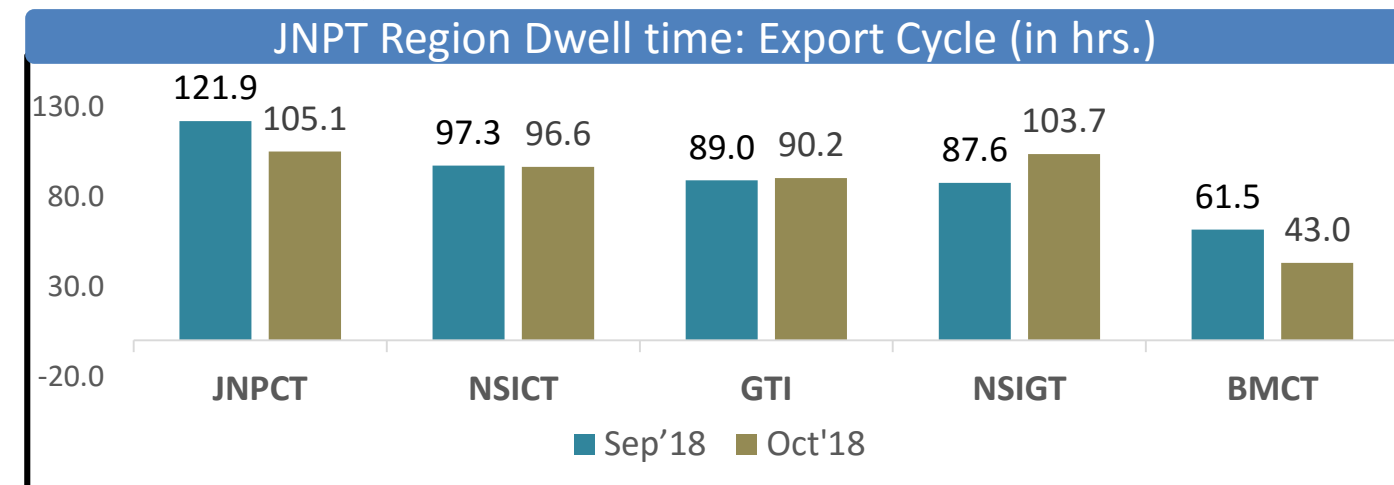
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for Oct'18 is 34.9 hrs.



JNPT Export cycle Trend

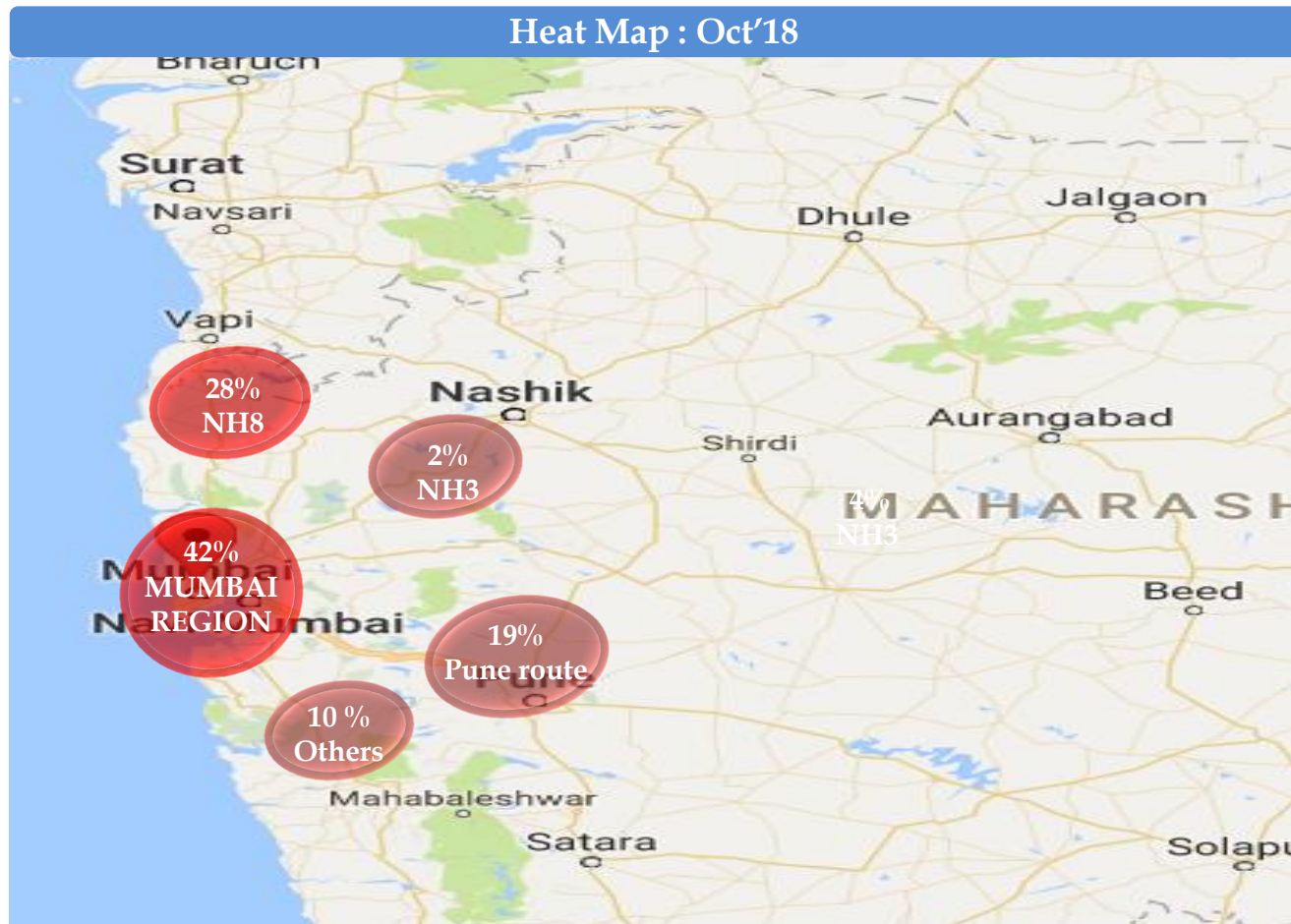
The average export cycle dwell time of JNPT region port terminals for Oct'18 is 67.8 hrs.



ANNEXURE

Container movement around JNPT Port terminal region via Truck

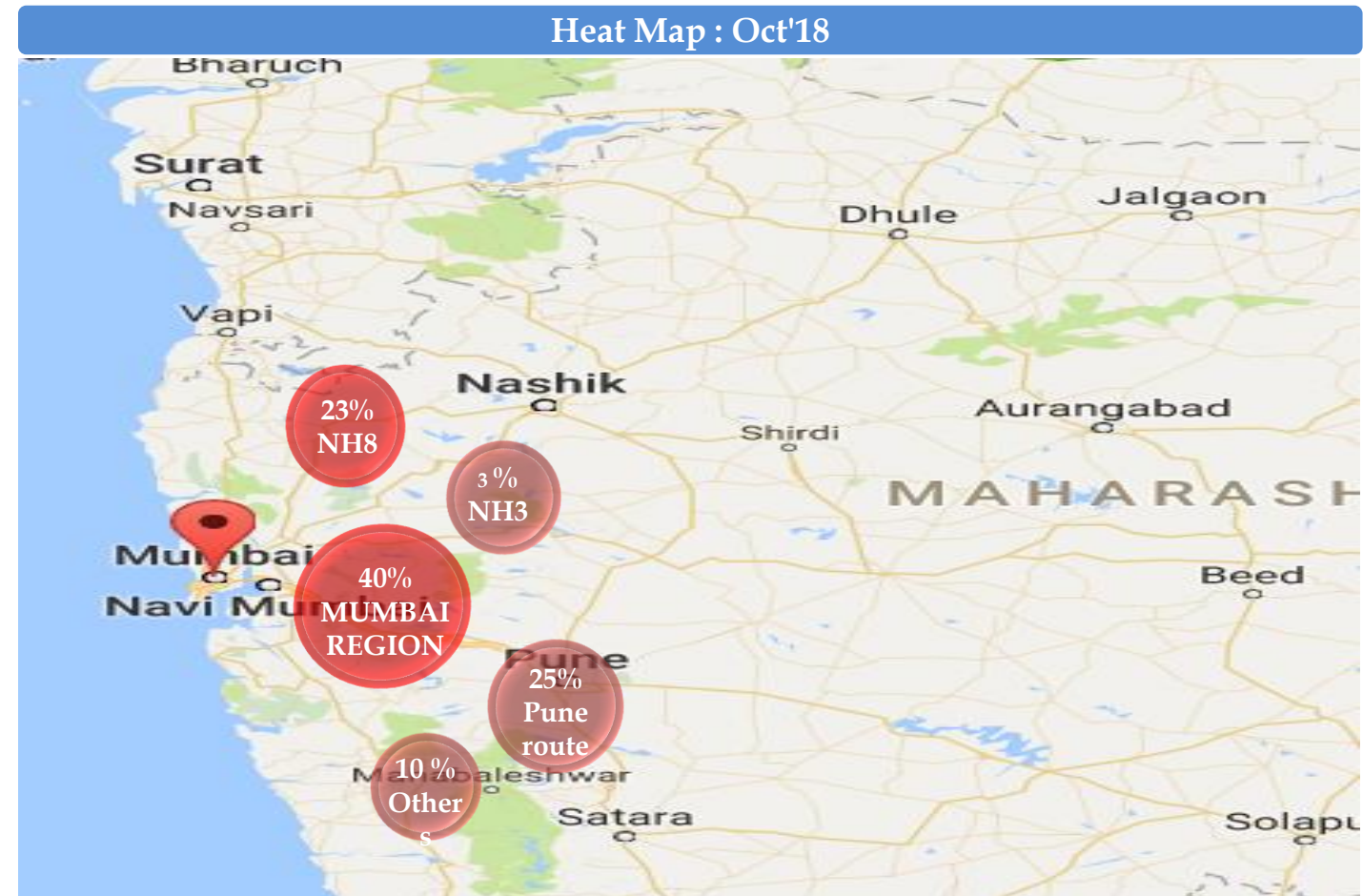
HEAT MAP : JNPCT Port Terminal



Region	Sep'18	Oct'18
Mumbai region	42%	41%
NH3	2%	3%
Pune	19%	19%
NH8	28%	28%
others	10%	10%

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

HEAT MAP : GTI Port Terminal

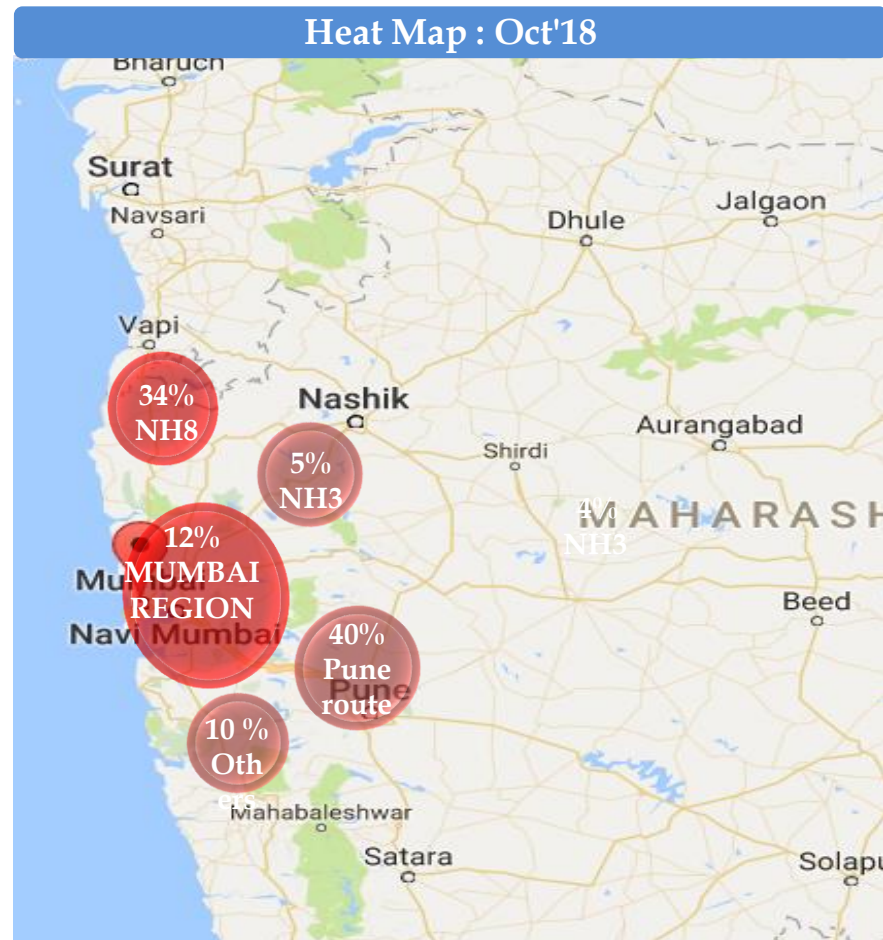


Region	Sep'18	Oct'18
Mumbai region	40%	35%
NH3	3%	3%
Pune	25%	24%
NH8	23%	27%
others	10%	10%

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

Container movement around JNPT Port terminal region via Truck

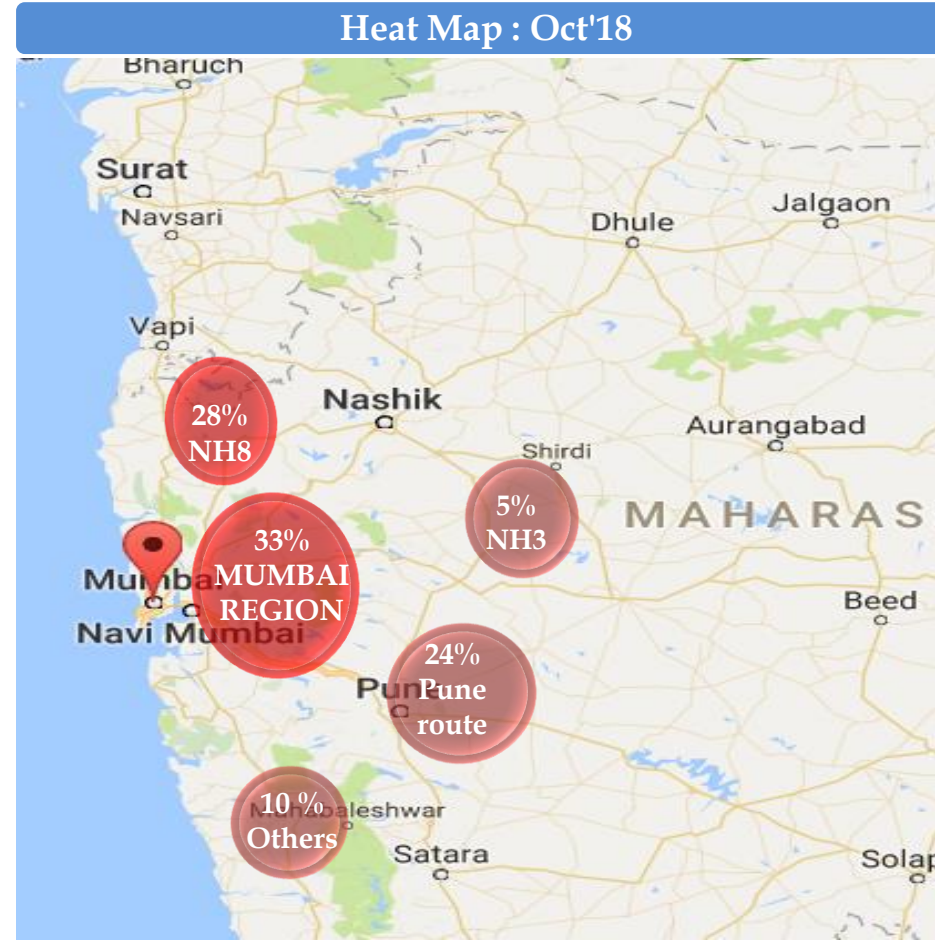
HEAT MAP : NSIGT



Region	Sep'18	Oct'18
Mumbai region	12%	14%
NH3	5%	5%
Pune	40%	42%
NH8	34%	30%
others	10%	10%

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

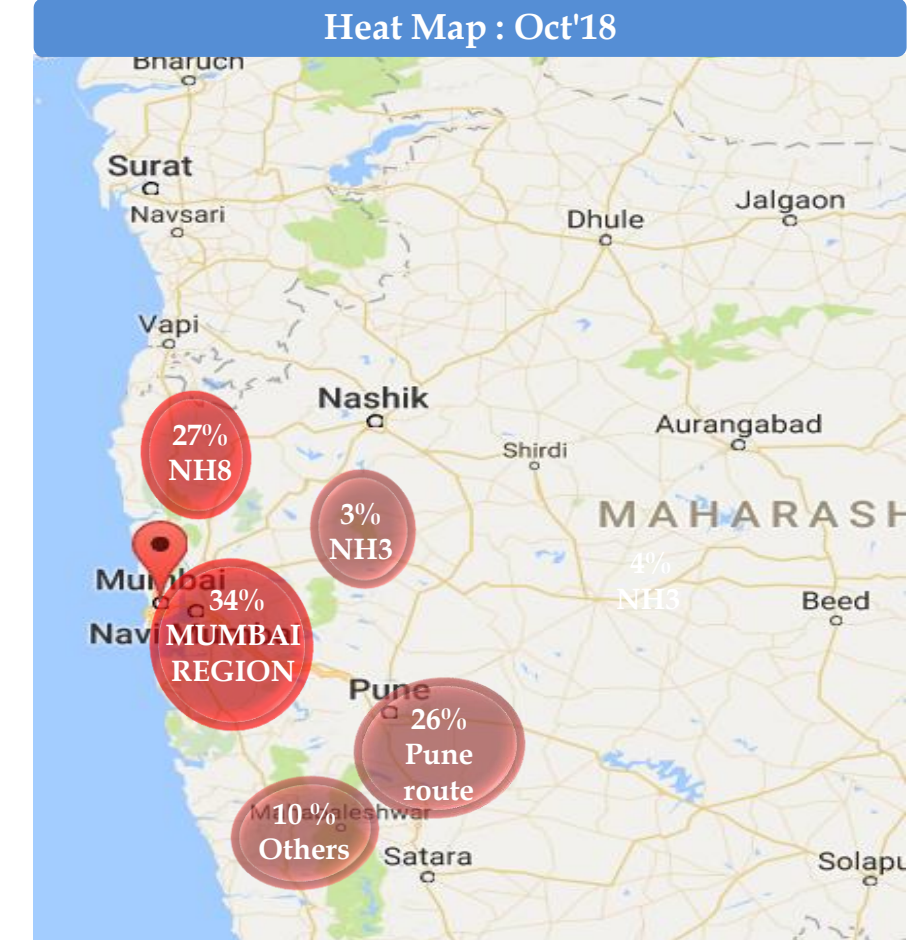
HEAT MAP : NSICT Port Terminal



Region	Sep'18	Oct'18
Mumbai region	33%	30%
NH3	5%	5%
Pune	24%	24%
NH8	29%	31%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal



Region	Sep'18	Oct'18
Mumbai region	34%	13%
NH3	3%	4%
Pune	26%	37%
NH8	27%	36%
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'18					
CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	BMCT
Transindia Logistics Park Pvt, Ltd CFS	4.6	9.6	5.1	5.1	2.9
DRONAGIRI RAIL TERMINAL	5.3	7.3	3.7	4.6	1.9
Ocean Gate Container Terminals Pvt. Ltd.CFS	5.5	8.4	4.7	5.2	-
Transindia Logistics Park Pvt, Ltd CFS	4.6	9.6	-	5.1	2.9
NAVKAR CORPORATION LTD.YARD-III CFS	7.8	11.7	7.1	8.6	7.2
PUNJAB CONWARE (PW)	3.1	6.7	3.5	4.1	1.7
Ameya Logistics Pvt. Ltd.	4.7	10.4	4.7	6.7	3.6
Continental Warehousing (Nhava Sheva) Ltd.	4.1	6.4	4.5	4.2	2.4
Seabird Marine Services Pvt Ltd.	5.4	12.0	7.3	8.1	2.4
Balmer & Lawrie & Co. Ltd.,CFS	11.5	11.1	-	-	2.4
APM (Maersk India Pvt. Ltd)CFS	1.6	-	1.5	6.2	1.4
Ashte Logistics Pvt. Ltd.	7.3	12.0	-	5.1	3.9
International Cargo Terminals & Infrastructure Private Limited-CFS	5.0	8.1	6.7	5.9	4.5
All Cargo Logistics Ltd., CFS	9.1	7.4	4.8	7.6	3.7
NAVKAR CORPORATION LTD.,YARD-II CFS	9.5	12.2	7.9	8.7	6.9
MAHARASHTRA STATE WARE. CORP. CFS	3.4	9.6	3.6	-	2.1
Indev Logistics Pvt. Ltd.CFS	6.1	9.0	-	7.1	2.9
CWC LOGISTIC PARK - Opr.Hind Trmnl.	5.4	9.1	5.0	4.3	2.6
Vaishno Logistics Yard CFS	4.6	8.8	4.9	5.4	3.8
International Cargo Terminal CFS	5.5	10.4	5.8	5.7	2.6
SBW Logistics CFS , Navi Mumbai	-	13.2	7.5	16.7	-
CWC Dronagiri CFS	6.1	6.6	4.8	4.2	1.7
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	3.9	6.7	2.6	3.2	-
NAVKAR CORPORATION LTD.,YARD-1 CFS	-	17.2	-	-	-

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	Spe'18 (in hrs)
Ameya Logistics Pvt. Ltd.	4.0
Ashte Logistics Pvt. Ltd.	5.0
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.5
Balmer & Lawrie & Co. Ltd.,CFS	3.1
JWC Logistics Park Ltd CFS	4.8
Transindia Logistics Park Pvt, Ltd CFS	3.5
All Cargo Logistics Ltd., CFS	3.0
International Cargo Terminal CFS	3.4
Seabird Marine Services Pvt Ltd.	2.6
SBW Logistics CFS , Navi Mumbai	7.1
International Cargo Terminals & Infrastructure Private Limited-CFS	3.7
PUNJAB CONWARE (PW)	2.7
Indev Logistics Pvt. Ltd.CFS	5.4
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.6
Continental Warehousing (Nhava Sheva) Ltd.	2.7
Gateway Distriparks Ltd	3.9
Apollo Logisolutions Ltd.	6.5
Vaishno Logistics Yard CFS	3.3
NAVKAR CORPORATION LTD.,YARD-II CFS	4.9
NAVKAR CORPORATION LTD.,YARD-1 CFS	4.2
DRONAGIRI RAIL TERMINAL	2.3
MAHARASHTRA STATE WARE. CORP. CFS	6.5
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.8
Maersk Annex (APM)CFS	3.5
NAVKAR CORPORATION LTD.YARD-III CFS	4.4
APM (Maersk India Pvt. Ltd)CFS	2.2

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'18 (in hrs)
Ameya Logistics Pvt. Ltd.	3.3
Ashte Logistics Pvt. Ltd.	4.0
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	1.7
Balmer & Lawrie & Co. Ltd.,CFS	2.6
JWC Logistics Park Ltd CFS	4.4
Transindia Logistics Park Pvt, Ltd CFS	3.0
All Cargo Logistics Ltd., CFS	2.3
International Cargo Terminal CFS	2.5
Seabird Marine Services Pvt Ltd.	2.3
SBW Logistics CFS , Navi Mumbai	6.3
International Cargo Terminals & Infrastructure Private Limited-CFS	2.9
PUNJAB CONWARE (PW)	2.5
Indev Logistics Pvt. Ltd.CFS	4.5
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.0
Continental Warehousing (Nhava Sheva) Ltd.	2.0
Gateway Distriparks Ltd	3.0
Apollo Logisolutions Ltd.	6.4
Vaishno Logistics Yard CFS	2.5
NAVKAR CORPORATION LTD.,YARD-II CFS	4.3
NAVKAR CORPORATION LTD.,YARD-1 CFS	5.3
DRONAGIRI RAIL TERMINAL	1.8
MAHARASHTRA STATE WARE. CORP. CFS	3.3
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.3
Maersk Annex (APM)CFS	3.3
NAVKAR CORPORATION LTD.YARD-III CFS	3.4
APM (Maersk India Pvt. Ltd)CFS	2.2
CWC Dronagiri CFS	34.5

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'18 (in hrs)
Ameya Logistics Pvt. Ltd.	3.3
Ashte Logistics Pvt. Ltd.	4.6
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.4
Balmer & Lawrie & Co. Ltd.,CFS	3.2
JWC Logistics Park Ltd CFS	3.8
Transindia Logistics Park Pvt, Ltd CFS	2.7
All Cargo Logistics Ltd., CFS	2.2
International Cargo Terminal CFS	2.2
Seabird Marine Services Pvt Ltd.	2.3
International Cargo Terminals & Infrastructure Private Limited-CFS	3.1
PUNJAB CONWARE (PW)	2.2
Indev Logistics Pvt. Ltd.CFS	5.2
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.0
Continental Warehousing (Nhava Sheva) Ltd.	1.8
Gateway Distriparks Ltd	2.7
Apollo Logisolutions Ltd.	5.5
Vaishno Logistics Yard CFS	3.3
NAVKAR CORPORATION LTD.,YARD-II CFS	5.4
NAVKAR CORPORATION LTD.,YARD-1 CFS	3.1
DRONAGIRI RAIL TERMINAL	2.8
MAHARASHTRA STATE WARE. CORP. CFS	1.8
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.0
Maersk Annex (APM)CFS	3.0
NAVKAR CORPORATION LTD.YARD-III CFS	3.4
APM (Maersk India Pvt. Ltd)CFS	2.2
CWC Dronagiri CFS	43.4

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'18 (in hrs)
Ameya Logistics Pvt. Ltd.	2.8
Ashte Logistics Pvt. Ltd.	3.8
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.0
Balmer & Lawrie & Co. Ltd.,CFS	2.2
JWC Logistics Park Ltd CFS	4.4
Transindia Logistics Park Pvt, Ltd CFS	2.5
All Cargo Logistics Ltd., CFS	2.1
International Cargo Terminal CFS	1.7
Seabird Marine Services Pvt Ltd.	1.9
SBW Logistics CFS , Navi Mumbai	5.1
International Cargo Terminals & Infrastructure Private Limited-CFS	2.8
PUNJAB CONWARE (PW)	1.9
Indev Logistics Pvt. Ltd.CFS	3.7
CWC LOGISTIC PARK - Opr.Hind Trmnl.	1.8
Continental Warehousing (Nhava Sheva) Ltd.	1.9
Gateway Distriparks Ltd	2.5
Apollo Logisolutions Ltd.	5.7
Vaishno Logistics Yard CFS	1.5
NAVKAR CORPORATION LTD.,YARD-II CFS	2.9
NAVKAR CORPORATION LTD.,YARD-1 CFS	2.1
DRONAGIRI RAIL TERMINAL	1.2
MAHARASHTRA STATE WARE. CORP. CFS	3.4
Ocean Gate Container Terminals Pvt. Ltd.CFS	2.8
Maersk Annex (APM)CFS	4.2
NAVKAR CORPORATION LTD.YARD-III CFS	3.4
APM (Maersk India Pvt. Ltd)CFS	10.0

Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 9 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'18				
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	2.5	6.7
Cluster 2	6	13	3.4	8.1
Cluster 3	6	11	2.6	7.3
Cluster 4	1	13	3.3	8.8
Cluster 5	2	25	4.3	4.2
Cluster 6	6	25	5.0	11.9
Cluster 7	4	12	3.3	9.6
Cluster 8	1	34	7.1	13.2

CFS Cluster : JNPCT Terminal

JNPCT terminal for month of Oct'18				
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	3.9
Cluster 2	6	13	2.6	5.0
Cluster 3	6	11	2.4	5.3
Cluster 4	1	13	2.5	4.6
Cluster 5	2	25	3.9	2.7
Cluster 6	6	25	4.4	7.3
Cluster 7	4	12	2.7	4.6
Cluster 8	1	34	6.3	0.0

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

Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 9 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for GTI and JNPCT terminal






CFS Cluster : NSICT Terminal

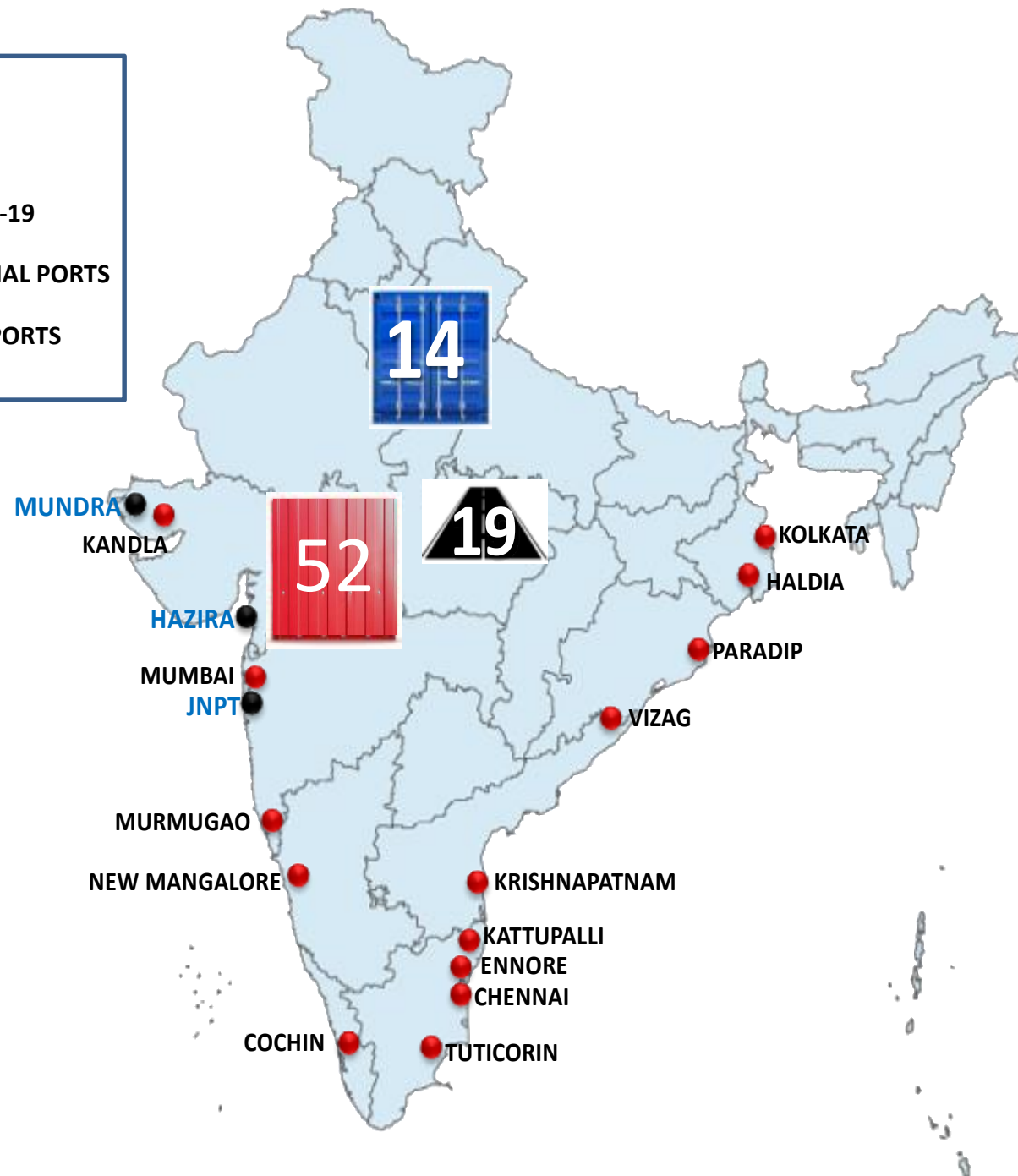
GTI terminal for month of Oct'18				
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)
Cluster 1	1	8	2.4	2.6
Cluster 2	6	13	2.7	3.3
Cluster 3	6	11	2.3	3.7
Cluster 4	1	13	3.3	0.0
Cluster 5	2	25	3.4	2.4
Cluster 6	6	25	4.9	0.0
Cluster 7	4	12	2.5	4.7
Cluster 8	1	34	0.0	7.5

CFS Cluster : NSIGT Terminal

JNPCT terminal for month of Oct'18				
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	2.1	3.2
Cluster 2	6	13	2.6	5.0
Cluster 3	6	11	2.2	4.2
Cluster 4	1	13	2.8	5.4
Cluster 5	2	25	3.5	2.6
Cluster 6	6	25	4.5	6.1
Cluster 7	4	12	2.5	5.1
Cluster 8	1	34	12.1	16.7

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-52
	TOLL PLAZA-19
	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>	

S.No	CFS Name
1.	All Cargo Logistics CFS, Navi Mumbai
2.	Ameya Logistics CFS, Navi Mumbai
3.	Apollo Logisolutions CFS, Panvel
4.	Ashte Logistics CFS, Panvel
5.	Continental Warehousing CFS, Navi Mumbai
6.	CWC Hind Terminal CFS, Navi Mumbai
7.	Dronagiri Rail Terminal CFS, Navi Mumbai
8.	Gateway Distriparks CFS, Navi Mumbai
9.	Indev Logistics CFS, Panvel
10.	International Cargo Terminal CFS
11.	International Cargo Terminals (ULA) CFS, Navi Mumbai
12.	JWR CFS
13.	Maersk Annex (APM)CFS, Navi Mumbai
14.	Maharashtra State Corp CFS
15.	Navkar Corporation Yard 1 CFS, Panvel
16.	Navkar Corporation Yard 2 CFS, Panvel
17.	Navkar Corporation Yard 3 CFS, Panvel
18.	Ocean Gate CFS, Panvel
19.	Punjab Conware CFS, Navi Mumbai
20.	Seabird CFS, Navi Mumbai
21.	Speedy Multimode CFS, JNPT
22.	Take Care Logistics CFS
23.	TG Terminals CFS
24.	Transindia Logistics Park, Navi Mumbai
25.	Vaishno Logistics CFS, Navi Mumbai



THANK YOU