Executive Summary

Western Corridor (JNPT & Gujarat)

- Port Dwell Time Performance for both **Import** and **Export cycle** has decreased by **3%** and **2%** as compared to Dec'18
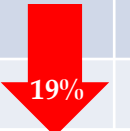
Month	Port Dwell Time (Import)	Port Dwell Time (Export)
Jan 2019	23.3 hrs	81.4 hrs
Dec 2018	22.7 hrs	80.0 hrs

Jawaharlal Nehru Port Trust Region

- Decrease in **Import Dwell Time** by 11% in Jan'19 on Monthly basis & 17% on Yearly basis (24.6 hrs in Jan'18).

Month (in hrs)	Port Import
Jan 2019	22.6 hrs
Dec 2018	20.4 hrs

Similar trend has been observed across all terminals in JNPT Region

Import (in hrs)	NSICT	GTI	BMCT	NSIGT	JNPCT
Jan 2019	29.5	20.5	24.4	23.5	22.1
Dec 2018	24.8	18.3	21.7	21.3	20.7

- Improvement in **Export Dwell Time** Performance by 3% in Jan'19 on Monthly basis & 2% on Yearly basis (70 hrs in Jan'18)

Export(in hrs)	Port Dwell Time	Railway container handling
Jan 2019	69.6 hrs	82.5 hrs
Dec 2018	71.6 hrs	91.5 hrs

- Decrease in CFS to Port (export cycle) Transit performance by 9% in Jan'19 as compared to previous month

Key Highlight – NSICT Rail Bound Container Analysis (Export)

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It is been observed Port Dwell Time Performance for **Rail Bound Containers** at **Nhava Sheva International Container Terminal (NSICT)** for **Export Cycle** in Jan'19 has **improved** by **79%,** Further analysis is been done to highlight reason/impact of the same

Month-on-Month Comparison: NSICT in Hrs

99.9 (Dec'18)

79% Improvement

20.5 (Jan'19)

Comparing: NSICT vs Other Terminals
in Hrs

77% lower than GTI (top performing) **84%** lower than BMCT (Lowest performing)

NSICT	JNPCT	GTI	NSIGT	BMCT
20.5	118.9	87.9	108.3	126.1

Reason →

Jan'19

Port Terminals	Within 2 days	More than 2 days
JNPCT	13%	87%
NSICT	64%	36%
GTI	28%	72%
NSIGT	17%	83%
BMCT	16%	84%

In Jan'19, where GTI (top performing terminal) cleared only 28% of its export rail bound containers within 2 days , NISCT cleared 64% in same time period

Dec'18

Port Terminals	Within 2 days	More than 2 days
JNPCT	12%	88%
NSICT	18%	82%
GTI	28%	72%
NSIGT	15%	85%
BMCT	18%	82%

And in Dec'18 all terminals cleared less than 30% of its container volume within 2 days

Western Corridor Performance (JNPT + Gujarat): Container Transportation

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Port Dwell Time

IMPORT

Mode	Dec'18 (in hrs)	Jan'19 (in hrs)
Overall	22.7	23.3
Truck	20.4	21.1
Train	51.2	57.1

EXPORT

Mode	Dec'18 (in hrs)	Jan'19 (in hrs)
Overall	80.0	81.4
Truck	78.6	79.3
Train	88.2	95.3

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

The marked entries showcase increase in the performance in comparison to previous month

The marked entries showcase decrease in the performance in comparison to previous month

Entity	Dec'18 (in hrs)	Jan'19 (in hrs)
CFS	84.5	85.6
ICD	141.5	141.6

JNPT Port Terminals: Container Transportation

Container Lifecycle (Import Cycle)

IMPORT

Port Dwell Time

Mode	Dec'18 (in hrs)	Jan'19 (in hrs)
Overall	20.4	22.6
Truck	18.3	20.5
Train	42.2	47.6

EXPORT

Mode	Dec'18 (in hrs)	Jan'19 (in hrs)
Overall	71.6	69.6
Truck	69.5	68.7
Train	91.5	82.5

Transit Time

Towards ICD

Station

Transit Cycle	Dec'18 (in hrs)	Jan'19 (in hrs)
Port to ICD	62.2	67.7
Port to CFS	2.9	2.8

Towards CFS

From ICD

Station

Transit Cycle	Dec'18 (in hrs)	Jan'19 (in hrs)
ICD to Port	67.8	60.1
CFS to Port	5.3	5.8

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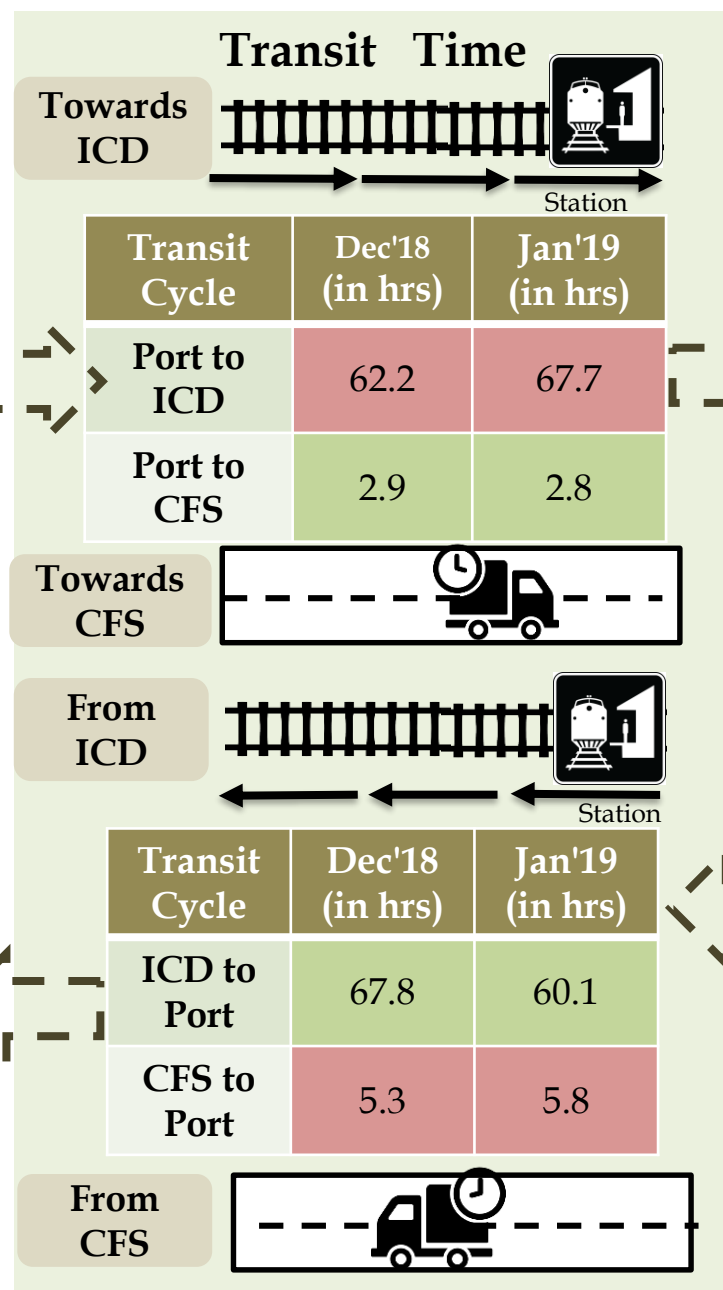
Container Freight Station (CFS) / Inland Container Depot (ICD) – Dwell Time

ICD   CFS

Entity	Dec'18 (in hrs)	Jan'19 (in hrs)
CFS	81.2	81.6
ICD	141.5	141.6

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

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

Container Lifecycle (Export Cycle)

JNPT Port Trust: Container Transportation

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IMPORT CYCLE DWELL TIME (Jan'19– in hrs)			Compared to Dec'18	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	22.6	11%	⬇
	Port Dwell Time for Truck Bound Containers	20.5	12%	⬇
	Port Dwell time for Train Bound Containers	47.6	13%	⬇
	Port Dwell time Direct Port Delivery (DPD) containers	35.1	3%	⬇
	Port Dwell time Containers bound for CFS	18.8	13%	⬇
	Port Dwell for Empty Containers	30.5	16%	⬇
	Port Dwell for Laden Containers	21.4	7%	⬇
TRANSIT TIME	Port to ICD	67.7	9%	⬇
	Port to CFS	2.8	5%	⬆

⬆⬇ The arrows depict increase/decrease in performance of the stakeholders in comparison to Dec'18

EXPORT CYCLE DWELL TIME (Jan'19– in hrs)			Compared to Dec'18	
PORT DWELL TIME	Overall Dwell Time of Truck and Train Bound Containers	69.6	3%	⬆
	Port Dwell Time for Truck Bound Containers	68.7	1%	⬆
	Port Dwell time for Train Bound Containers	82.5	10%	⬆
	Port Dwell time Direct Port Entry (DPE) containers	60.5	4%	⬆
	Port Dwell time Containers bound from CFS	67.8	1%	⬆
	Port Dwell for Empty Containers	79.3	0.1%	⬇
	Port Dwell for Laden Containers	64.9	3%	⬆
TRANSIT TIME	ICD to Port	60.1	11%	⬆
	CFS to Port	5.8	9%	⬇

Western Corridor- Port Performance Benchmarking & Performance Index

Performance Benchmarking - Port Terminals

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

Top Performing Terminal			Low Performing Terminal		
Gateway Terminals India (GTI)			APSEZ - 4		
Dec'18	Jan'19		Dec'18	Jan'19	
42.1 hrs	37.6 hrs	↑	66.7 hrs	63.5 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- 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
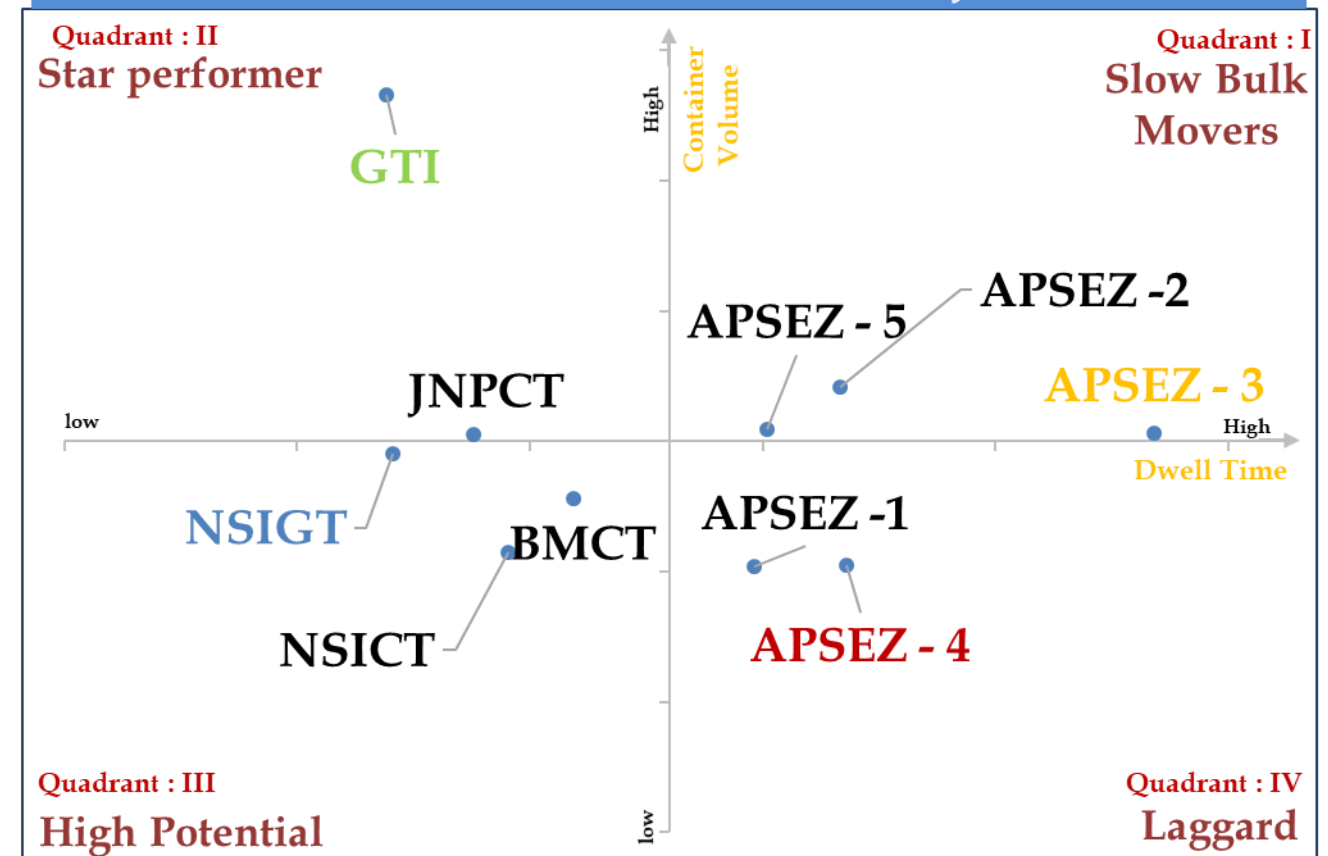
Star Performer: consist of entities which have catered relatively high container volume in lower dwell time

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

Port Terminal Performance Index : Jan'19

Quadrant : II — Star performer
Quadrant : I — Slow Bulk Movers
Quadrant : III — High Potential
Quadrant : IV — Laggard

GTI, APSEZ -2, APSEZ - 5, APSEZ - 3, JNPCT, NSIGT, BMCT, APSEZ -1, NSICT, APSEZ - 4

Container Volume — High / low
Dwell Time — High / low

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Performance Benchmarking – Inland Container Depot (ICD)

Performance benchmarking for ICD(s) covered under LDB project for Jan'19

Top Performing ICD	
Gateway Rail Freight ICD, Gurgaon	
Dec'18	Jan'19
102.2 hrs	115.8 hrs ↓

Low Performing ICD	
APM Terminals ICD, Dadri	
Dec'18	Jan'19
132.3 hrs	145.4 hrs ↓

Note: The performance benchmarking is based on performance index

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

ICD Performance Index for Jan'19

Quadrant: II
Star performer

Quadrant: I
Slow Bulk Movers

Container Volume — High

Gateway Rail Freight ICD, Gurgaon

Allcargo Logistics Park ICD, Dadri

High
Dwell Time

low

Albatross Inland Ports ICD, Dadri

Adani Logistics Park ICD, Gurgaon

ACTL ICD, Faridabad

CMA CGM Logistics Park, Dadri

APM Terminals ICD, Dadri

Quadrant: III
High Potential

Quadrant: IV
Laggard
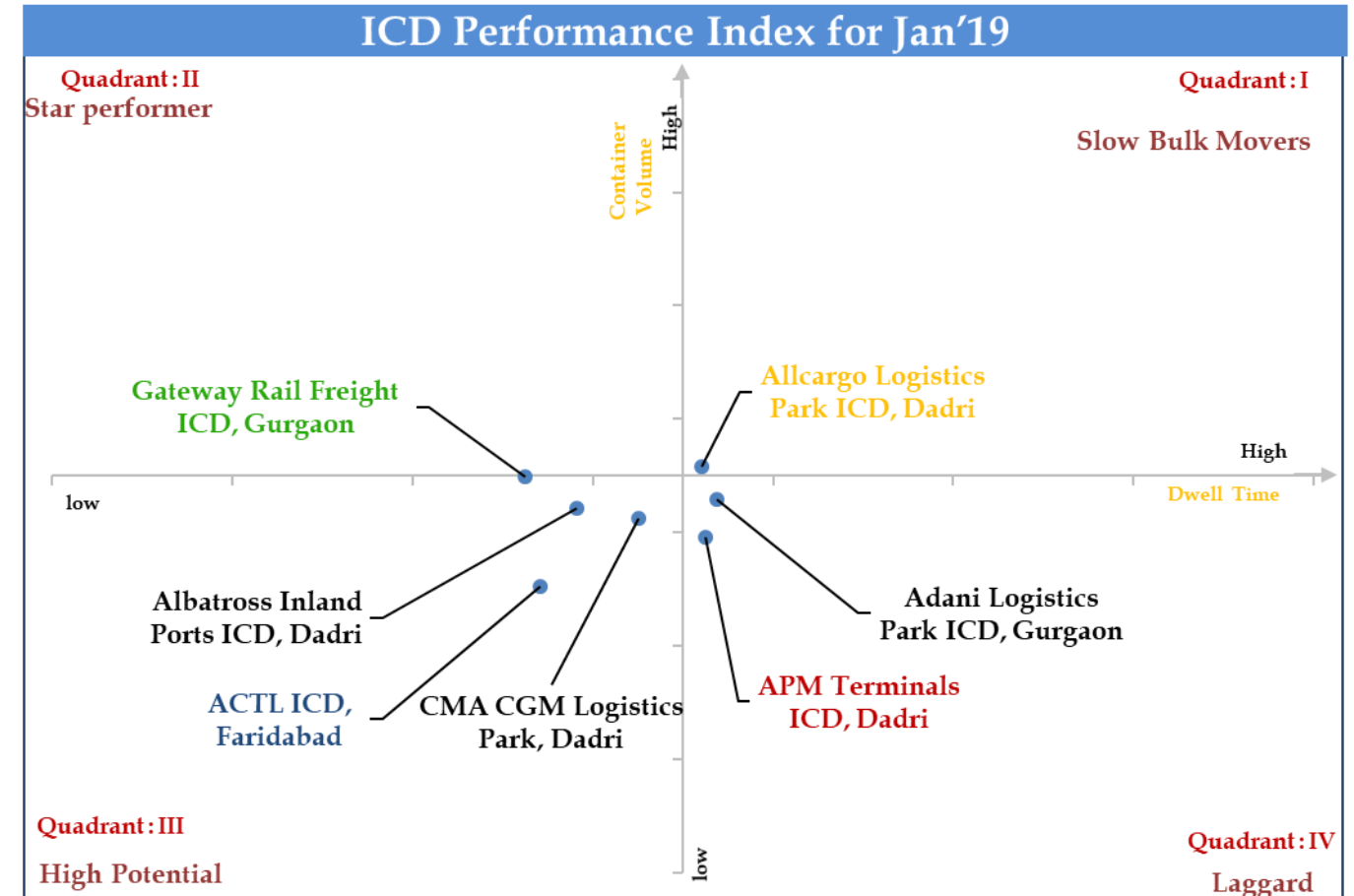
Performance Benchmarking – Container Freight Station (CFS)

Performance benchmarking for CFS(s) covered under LDB project for Jan'19

Top Performing CFS	
Gateway Distriparks CFS, Navi Mumbai	
Dec'18	Jan'19
74.5 hrs	75.6 hrs ⬇

Low Performing CFS	
Take Care Logistics CFS	
Dec'18	Jan'19
124.1 hrs	119.7 hrs ⬆

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

CFS Performance Index for Jan'19

Quadrant : II
Star performer

Gateway Distriparks CFS, Navi Mumbai

Quadrant : I
Slow Bulk Movers

Container Volume — High

Ashte Logistics CFS, Panvel

Dwell Time — High

low

JWR CFS

Take Care Logistics CFS

Quadrant : III
High Potential

Quadrant : IV
Laggard
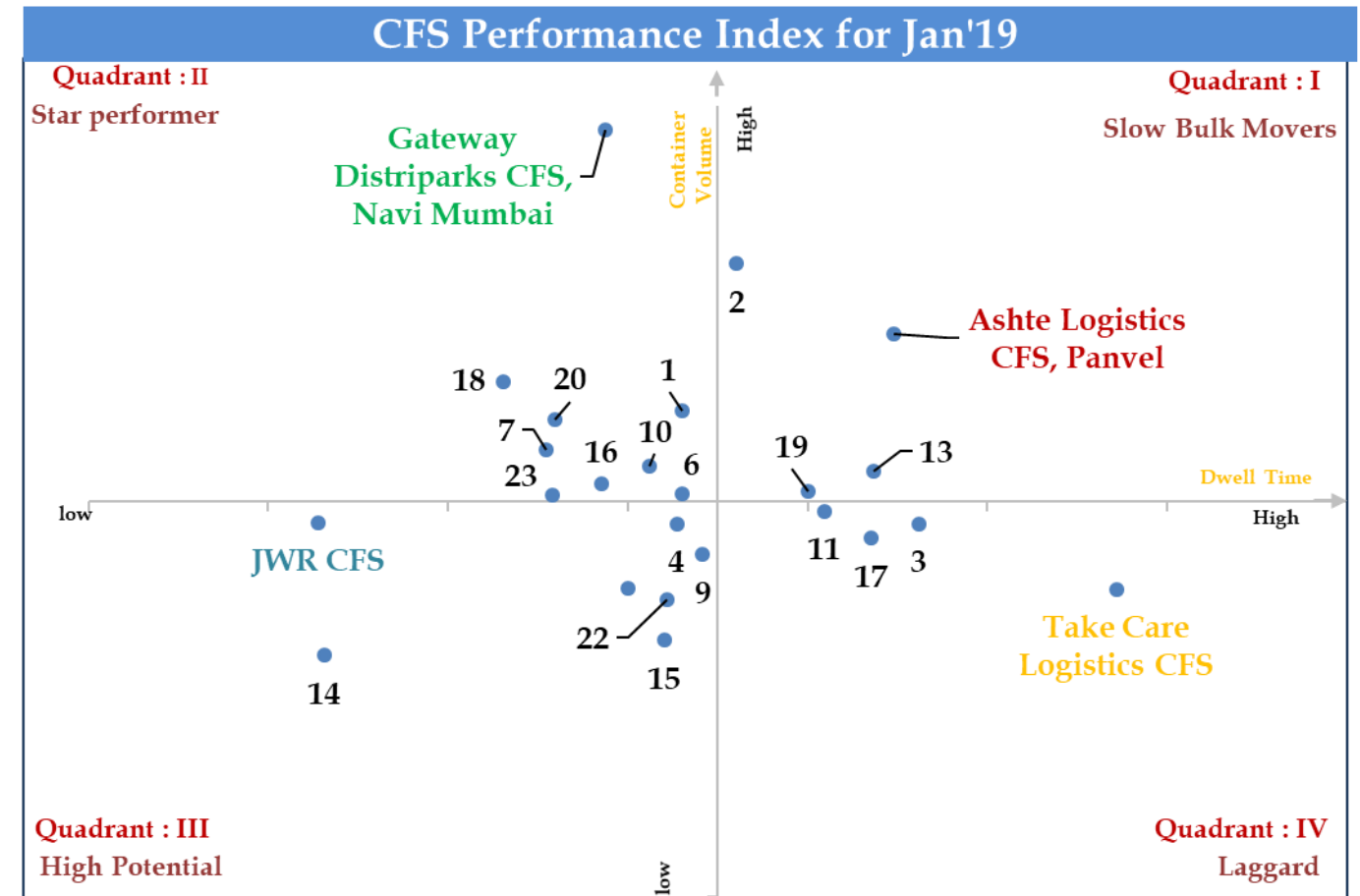
Import Cycle Analysis

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the port dwell time performance at JNPT port for truck and train bound containers in import cycle
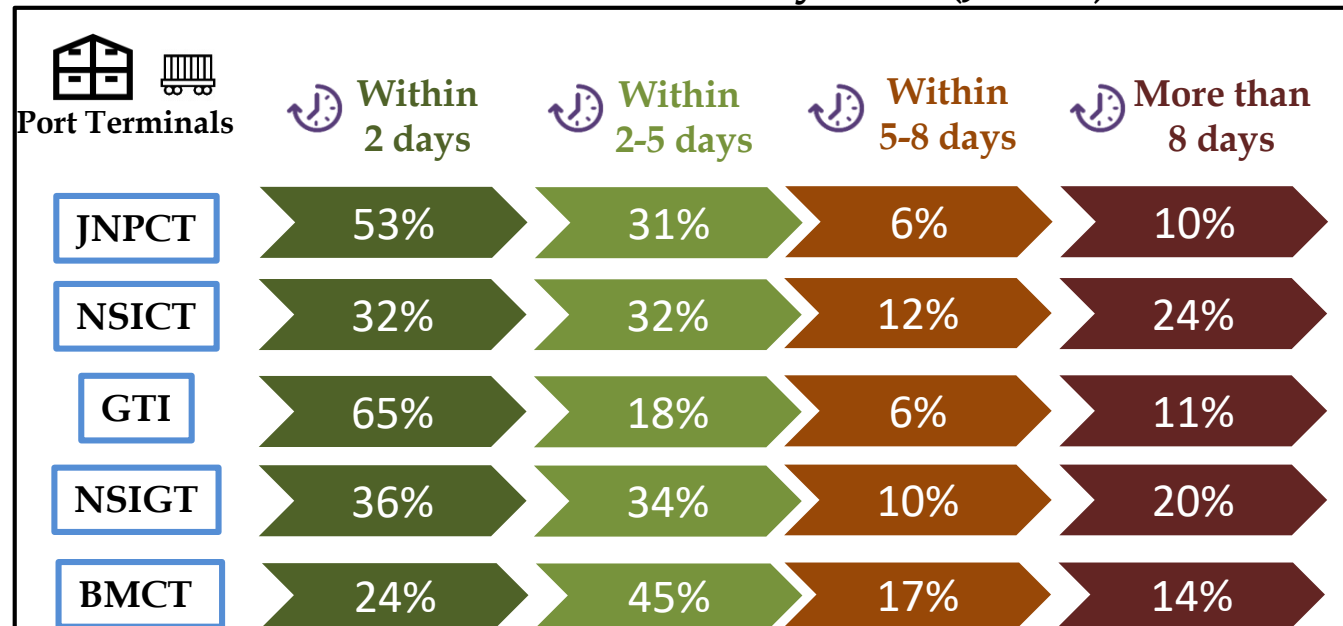
PORT IMPORT via TRAIN
(17% of total import volume at JNPT Port)

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	Dec'18 (in hrs)	Jan'19 (in hrs)
JNPCT	39.7	45.0
NSICT	41.9	76.9
GTI	39.3	32.7
NSIGT	50.0	66.8
BMCT	45.0	83.4

Container Handled: Day wise (Jan'19)

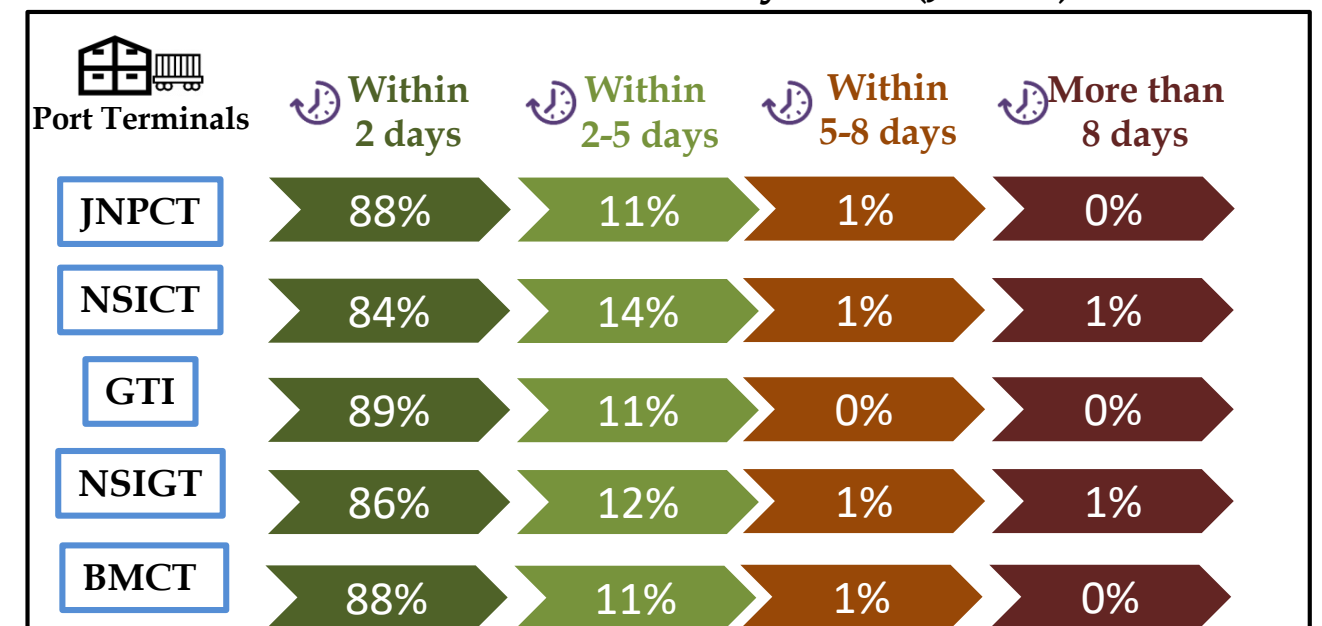| Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	53%	31%	6%	10%
NSICT	32%	32%	12%	24%
GTI	65%	18%	6%	11%
NSIGT	36%	34%	10%	20%
BMCT	24%	45%	17%	14%

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	Dec'18 (in hrs)	Jan'19 (in hrs)
JNPCT	18.8	20.4
NSICT	23.2	25.8
GTI	16.1	18.9
NSIGT	18.8	20.7
BMCT	20.3	22.0

Container Handled: Day wise (Jan'19)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	88%	11%	1%	0%
NSICT	84%	14%	1%	1%
GTI	89%	11%	0%	0%
NSIGT	86%	12%	1%	1%
BMCT	88%	11%	1%	0%

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

JNPCT

Port Dwell time based on transit type

Jan'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	29.4 hrs	18.5 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	21.1 hrs	29.5 hrs

GTI

Port Dwell time based on transit type

Jan'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	37.8 hrs	17.4 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	19.8 hrs	28.4 hrs

JNPT Port Terminal: Dwell Time Performance (Import Cycle)

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

NSICT

Port Dwell time based on transit type

Jan'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	-	22.9 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	27.7 hrs	33.7 hrs

NSIGT

Port Dwell time based on transit type

Jan'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	-	19.1 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	22.2 hrs	28.0 hrs

BMCT

Port Dwell time based on transit type

Jan'19	Direct Port Delivery containers	Containers bound for CFS
Dwell time (in hrs)	33.2 hrs	20.6 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	23.1 hrs	40.5 hrs

JNPT Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPT region in Import Cycle in month of Jan'19
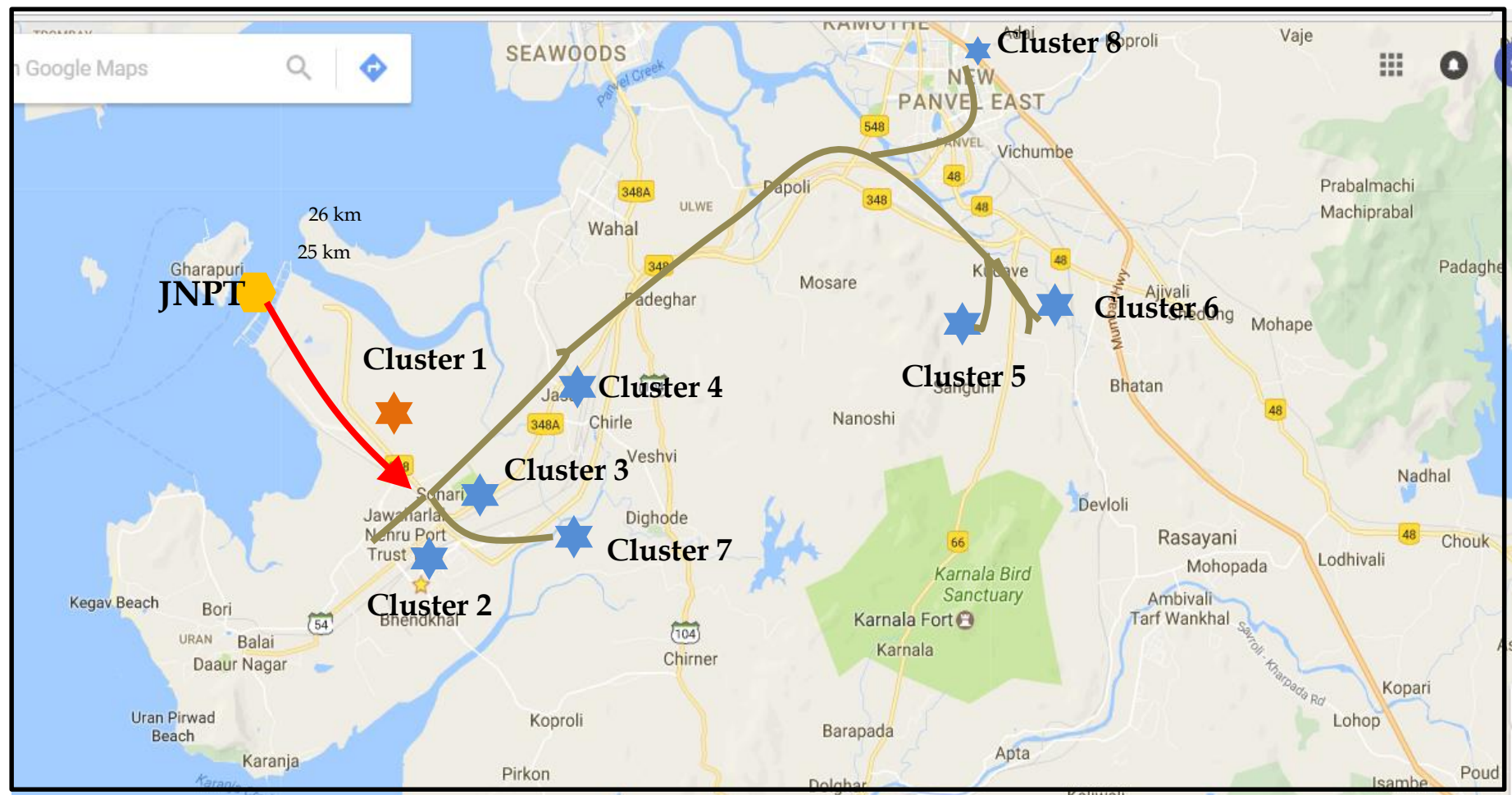
Clusters with bottleneck	
Cluster 1	JNPT Area

Clusters without bottleneck	
CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area, JNPT road
CLUSTER 4	Chirle area , JNPT road
CLUSTER 5	Plaspa area, Coachi 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**
🟫	**Medium Congestion**
🟪	**Low Congestion**
⭐	**Cluster with bottleneck**
⭐	**Cluster without bottleneck**

GTI Terminal

Congestion Level
Import Cycle :-

JNPCT Terminal

Congestion Level
Import Cycle :-

NSICT Terminal

Congestion Level
Import Cycle :-

NSIGT Terminal

Congestion Level
Import Cycle :-

BMCT Terminal

Congestion Level
Export Cycle :-

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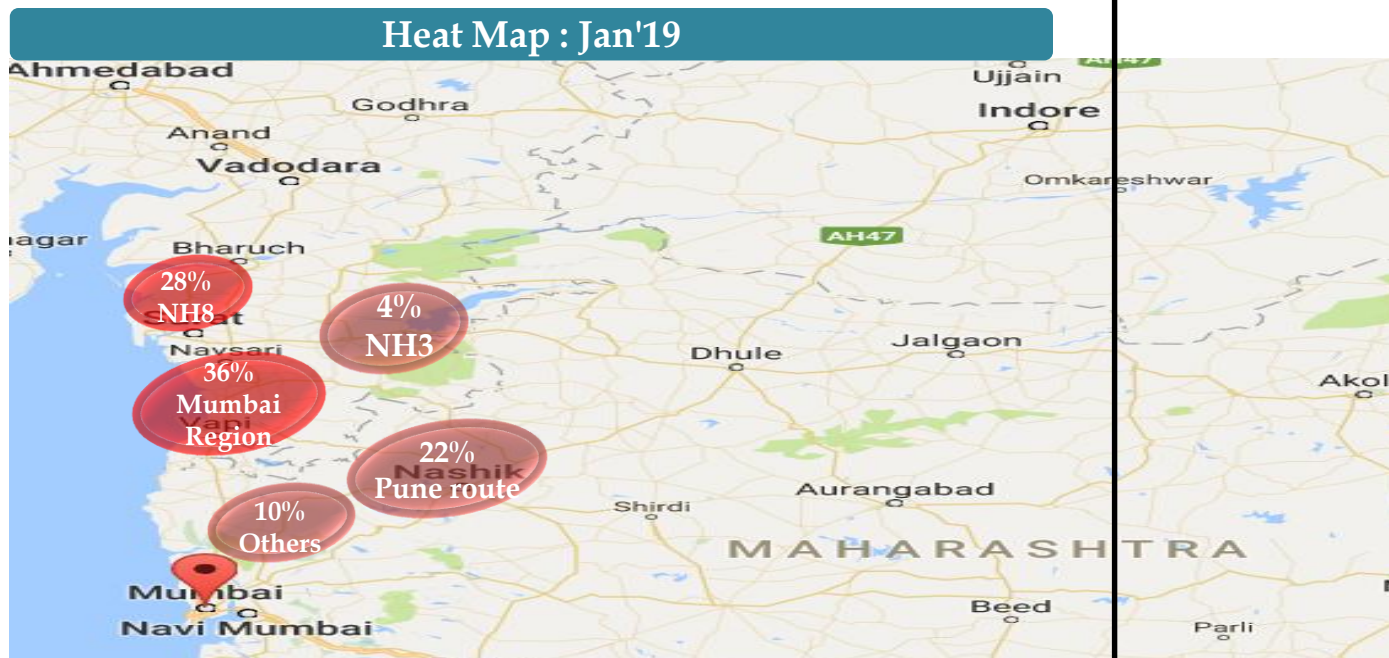
JNPT Region: Container Movement (Import Cycle)

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Jan'19
Mumbai region	36%
NH3	4%
Pune	22%
NH8	28%
others	10%

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

Heat Map : Jan'19

Train
VOLUME WISE CONTAINER MOVEMENT

Region	Jan'19
Kota Route	33%
Nagpur Route	20%
Agra Route	23%
Secunderabad Route	12%
Pune Route	12%

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

Heat Map : Jan'18

JNPT Region: Toll Plaza Analysis (Import Cycle)
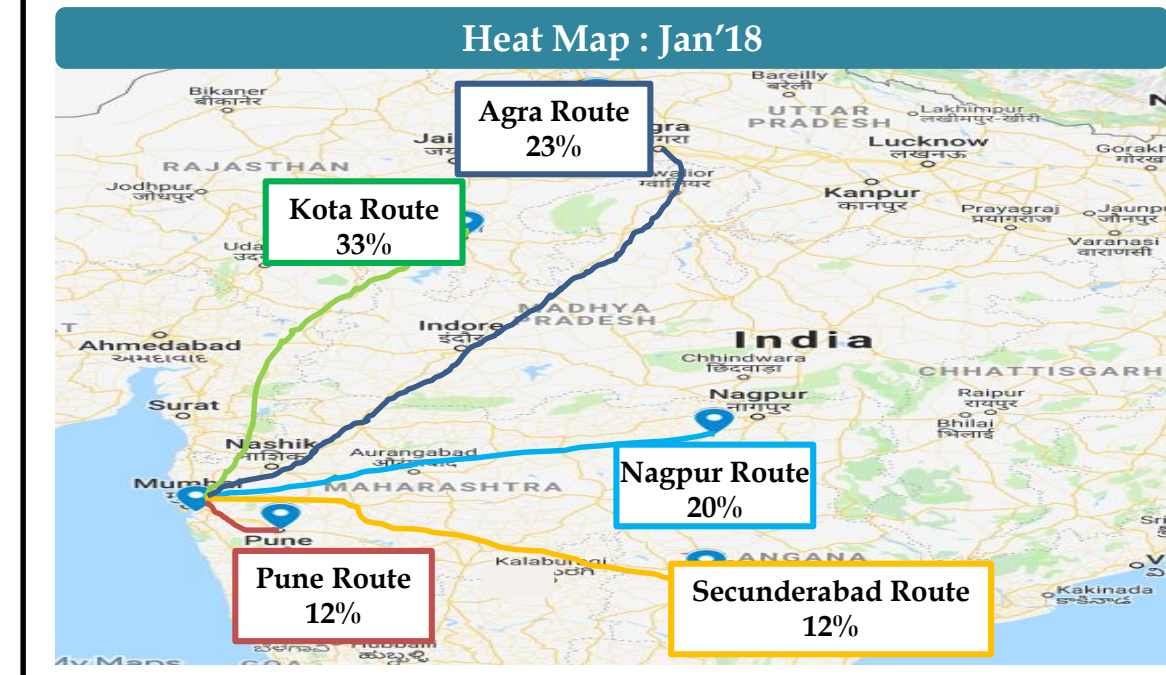
Avg. Speed between Toll Plazas (Jan'19)

Source	Destination Toll Plaza	Inter Distance (Km)	Dec'18 Avg. Speed (Km/Hr.)	Jan'19 Avg. Speed (Km/Hr.)
JNPT	Khaniwade	94	12.6	13.1
JNPT	Khalapur	60	16.9	17.6
Khaniwade	Charoti	50	38.4	39.3
Charoti	Boriach	126	27.2	28.4
Boriach	Bharthan	142	31.9	32.7
Bharthan	Vasad	60	45.7	39.4
Khalapur	Khedshivpur	105	29.5	29.4
Daulatpura	Kherki	199	24.1	25.5

Toll Plaza - JNPT Port
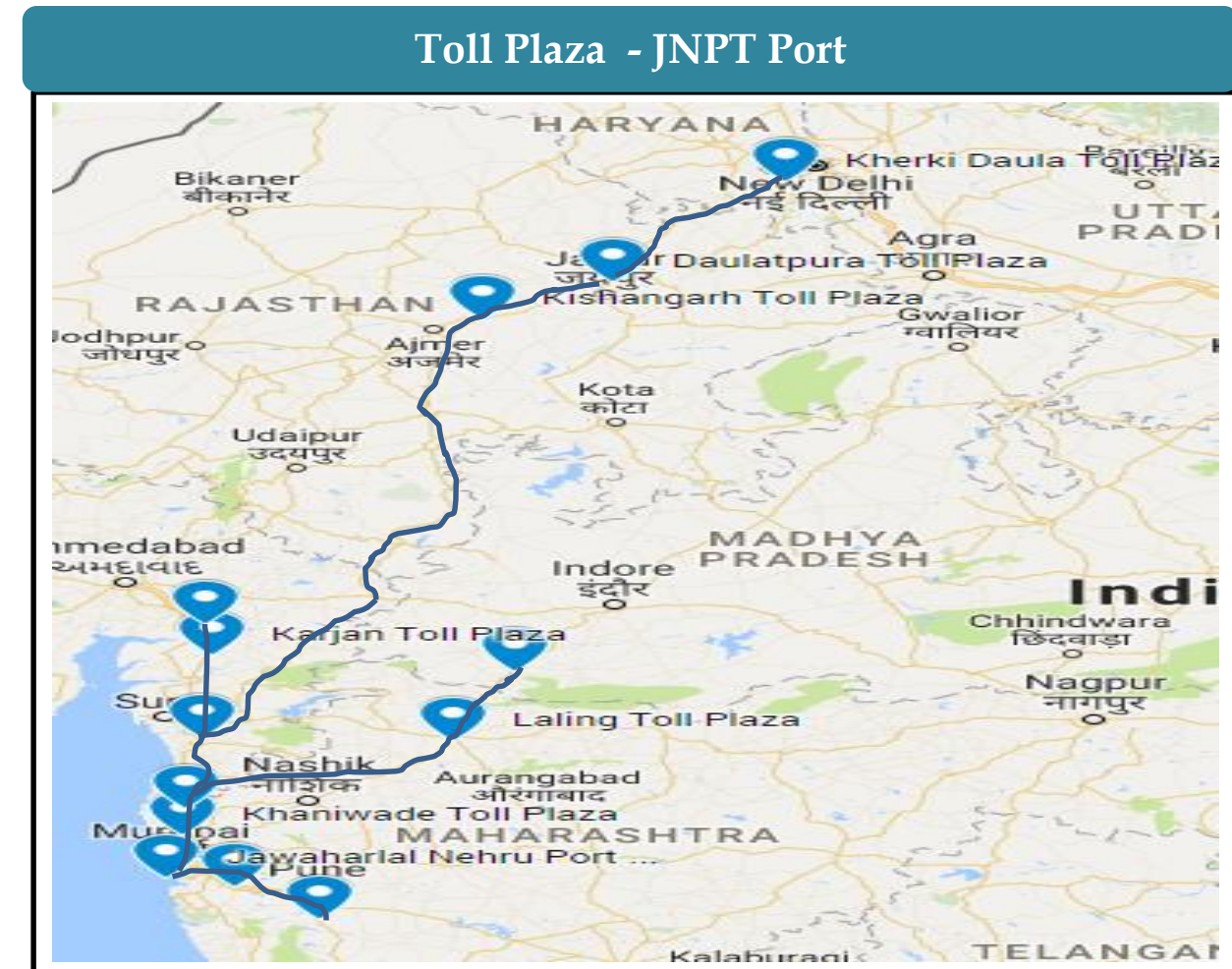
Export Cycle
Analysis

JNPT Region: Dwell Time Performance (Export Cycle)

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The below tables depict the port dwell time performance at JNPT port for truck and train bound containers in export cycle
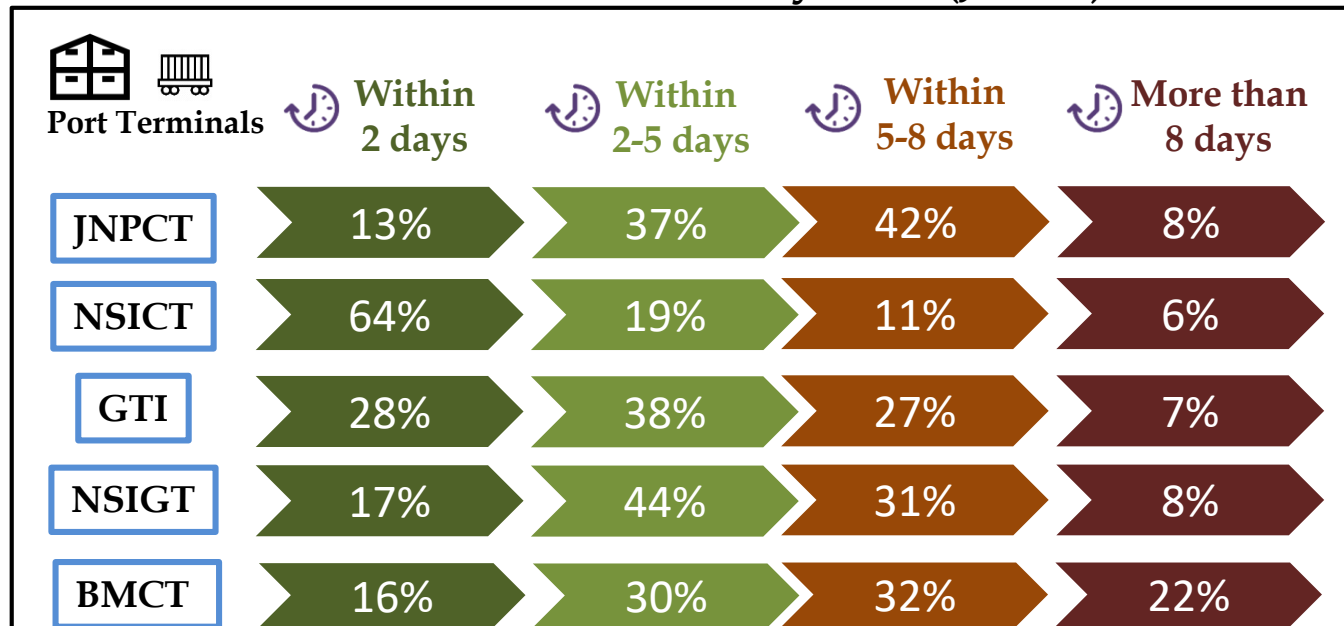
PORT EXPORT via TRAIN
(16% of total import volume at JNPT Port)

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	Dec'18 (in hrs)	Jan'19 (in hrs)
JNPCT	100.3	118.9
NSICT	99.9	20.5
GTI	83.6	87.9
NSIGT	108.6	108.3
BMCT	85.8	126.1

Container Handled: Day wise (Jan'19)

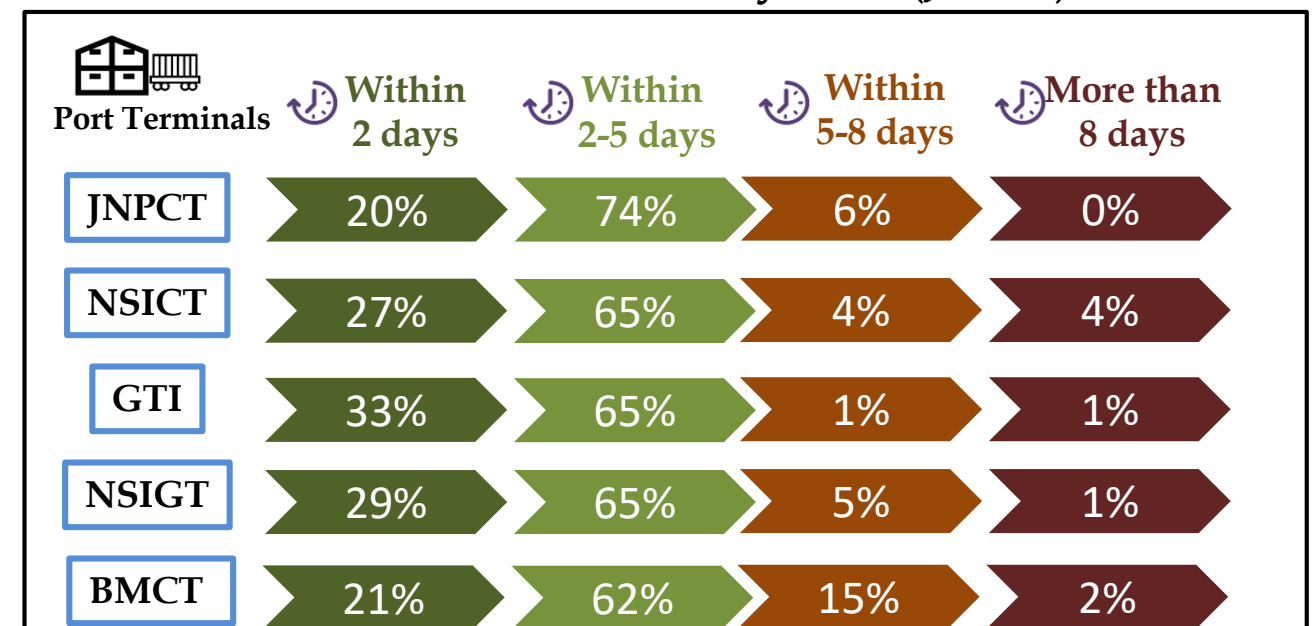| Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	13%	37%	42%	8%
NSICT	64%	19%	11%	6%
GTI	28%	38%	27%	7%
NSIGT	17%	44%	31%	8%
BMCT	16%	30%	32%	22%

PORT EXPORT via TRUCK
(84% 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	Dec'18 (in hrs)	Jan'19 (in hrs)
JNPCT	73.0	73.6
NSICT	70.0	71.0
GTI	64.3	61.7
NSIGT	71.6	68.5
BMCT	82.5	80.3

Container Handled: Day wise (Jan'19)

Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	20%	74%	6%	0%
NSICT	27%	65%	4%	4%
GTI	33%	65%	1%	1%
NSIGT	29%	65%	5%	1%
BMCT	21%	62%	15%	2%

JNPT Region: Dwell Time Performance (Export Cycle)

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

JNPCT

| Port Dwell time based on transit type		
Jan'19	Direct Port Export containers	Containers bound from CFS
Dwell time (in hrs)	60.5 hrs	75.2 hrs

Port Dwell time based on container type		
Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	65.4 hrs	81.9 hrs

GTI

Port Dwell time based on transit type		
Jan'19	Direct Port Export containers	Containers bound from CFS
Dwell time (in hrs)	58.8 hrs	59.1 hrs

Port Dwell time based on container type		
Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	60.1 hrs	68.5 hrs

JNPT Region: Dwell Time Performance (Export Cycle)

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

NSICT

Port Dwell time based on transit type

Jan'19	Direct Port Export containers	Containers bound from CFS
Dwell time (in hrs)	-	67.4 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	-	-

NSIGT

Port Dwell time based on transit type

Jan'19	Direct Port Export containers	Containers bound from CFS
Dwell time (in hrs)	-	68.2 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	68.3 hrs	73.3 hrs

BMCT

Port Dwell time based on transit type

Jan'19	Direct Port Export containers	Containers bound from CFS
Dwell time (in hrs)	-	72.9 hrs

Port Dwell time based on container type

Jan'19	Laden Containers	Empty Containers
Dwell time (in hrs)	76.9 hrs	97.0 hrs

JNPT Region: Congestion Analysis (Export Cycle)

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The Below map indicate congestion around JNPT region in Export Cycle in month of Jan'19
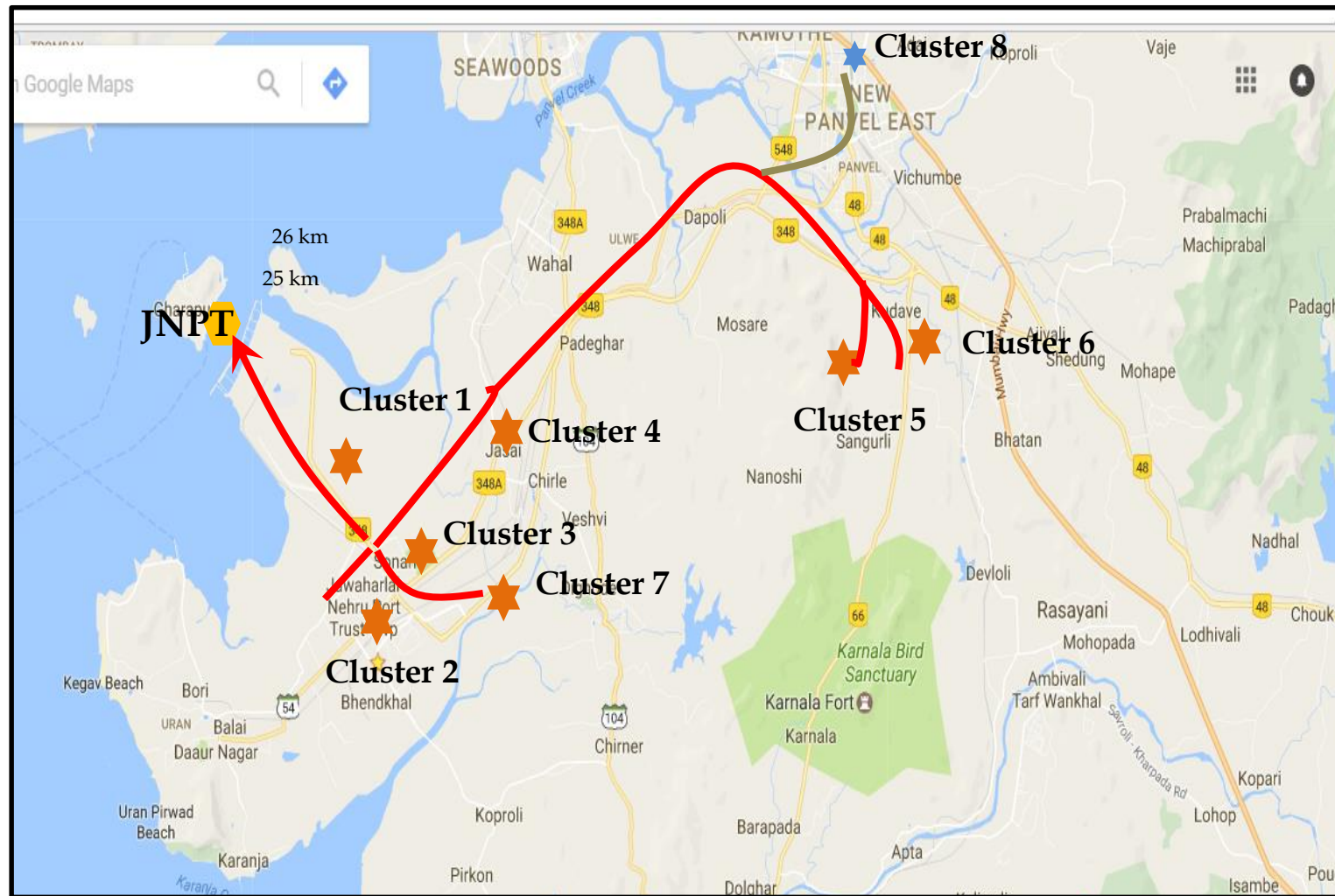
Cluster with bottleneck	
CLUSTER 1	JNPT Area
CLUSTER 2	Bhendkhal area, Khopate road
CLUSTER 3	Sonari area,JNPT road
CLUSTER 4	Chirle area , JNPT road
CLUSTER 5	Plaspa area, Coachi kanyakumari Highway
CLUSTER 6	Salva apta rd area, Bangalore highway
CLUSTER 7	Patilpada area, Khopate JNPT road

Cluster Without Bottleneck	
CLUSTER 8	Taloja, Navi Mumbai

Legends

- 🟥 High Congestion
- 🟫 Medium Congestion
- 🟪 Low Congestion
- ⭐ Cluster with bottleneck
- ⭐ Cluster without bottleneck

GTI Terminal
Congestion Level
Export Cycle :- 🟥

JNPCT Terminal
Congestion Level
Export Cycle :- 🟪

NSICT Terminal
Congestion Level
Export Cycle :- 🟥

NSIGT Terminal
Congestion Level
Export Cycle :- 🟥

BMCT Terminal
Congestion Level
Export Cycle :- 🟫

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

JNPT Region: Container Movement via Train (Export Cycle)

Export Cycle - JNPT	
Route	**Percentage of Container Movement**
Kota Route	49%
Nagpur Route	34%
Agra Route	8%
Secunderabad Route	4%
Pune Route	5%

The map shows the volume wise container movement through different railway routes in export cycle for Jan'19
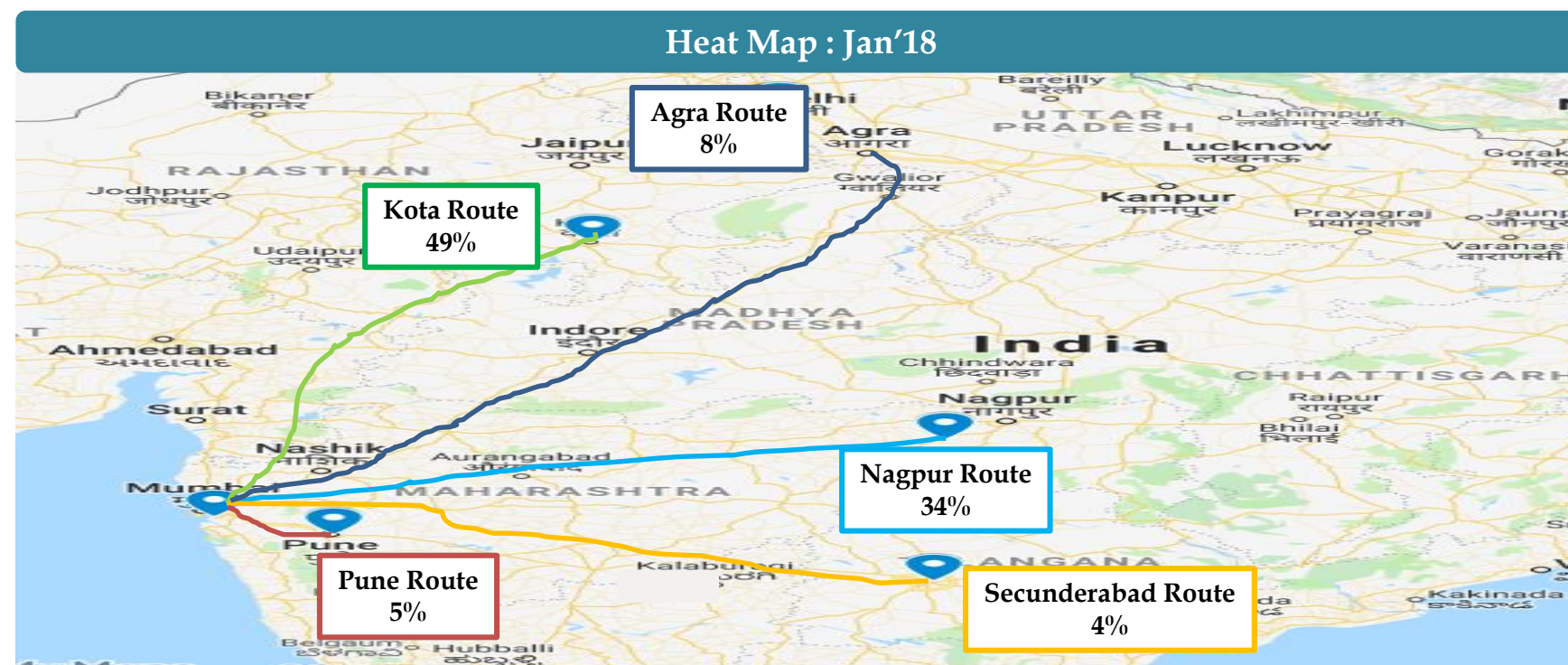
CFS and ICD Performance

JNPT region CFS : CFS DWELL TIME ANALYSIS

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

CFS Dwell Time (in hrs)

CFS	Dec'18	Jan'19	CFS	Dec'18	Jan'19
All Cargo Logistics CFS, Navi Mumbai	73.7	82.2	JWR CFS	52.3	50.8
Ameya Logistics CFS, Navi Mumbai	86.1	86.9	Maersk Annex (APM)CFS, Navi Mumbai	95.2	98.7
APM (Maersk India) CFS, Navi Mumbai	77.5	102.6	Maharashtra State Corp CFS	49.2	51.3
Apollo Logisolutions CFS, Panvel	73.8	81.8	Navkar Corporation Yard 1 CFS, Panvel	93.5	80.6
Ashte Logistics CFS, Panvel	94.5	100.4	Navkar Corporation Yard 2 CFS, Panvel	88.7	75.2
Balmer & Lawrie CFS, Navi Mumbai	80.6	82.2	Navkar Corporation Yard 3 CFS, Panvel	89.9	98.5
Continental Warehousing CFS, Navi Mumbai	70.7	70.4	Punjab Conware CFS, Navi Mumbai	73.4	66.7
CWC Hind Terminal CFS, Navi Mumbai	90.2	85.9	Seabird CFS, Navi Mumbai	88.9	93.1
Gateway Distriparks CFS, Navi Mumbai	74.5	75.6	Speedy Multimode CFS, JNPT	76.9	71.2
Indev Logistics CFS, Panvel	90.4	84.0	Take Care Logistics CFS	124.1	119.7
International Cargo Terminal CFS	80.2	79.4	TG Terminals CFS	82.3	80.9
International Cargo Terminals (ULA) CFS, Navi Mumbai	92.1	94.5	Transindia Logistics Park, Navi Mumbai	77.2	71.0
			Vaishno Logistics CFS, Navi Mumbai	75.1	77.5

CFS – DWELL OVERVIEW – JAN'19 (in hrs)

Average: 81.6 hrs.
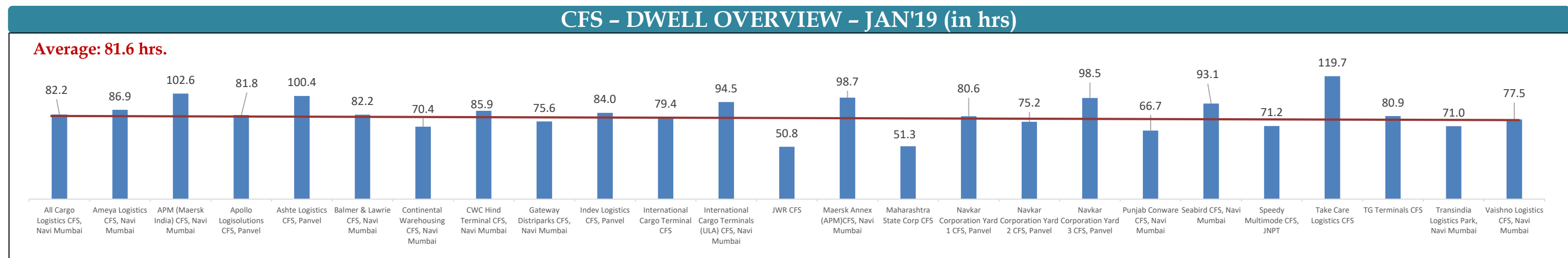
ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs for the month of Jan'19

ICD Dwell Time (in Hrs)		
ICD	Dec'18	Jan'19
ACTL ICD, Faridabad	119.0	118.3
Adani Logistics Park ICD, Gurgaon	176.8	147.2
Albatross Inland Ports ICD, Dadri	136.7	124.3
Allcargo Logistics Park ICD, Dadri	143.8	144.8
APM Terminals ICD, Dadri	132.3	145.4
CMA CGM Logistics Park, Dadri	123.3	134.4
Gateway Rail Freight ICD, Gurgaon	102.2	115.8

ICD – DWELL OVERVIEW (Jan'19) (In Hrs)

Avg. 141.6 hrs.

ACTL ICD, Faridabad	Adani Logistics Park ICD, Gurgaon	Albatross Inland Ports ICD, Dadri	Allcargo Logistics Park ICD, Dadri	APM Terminals ICD, Dadri	CMA CGM Logistics Park, Dadri	Gateway Rail Freight ICD, Gurgaon
118.3	147.2	124.3	144.8	145.4	134.4	115.8

Trend Analysis
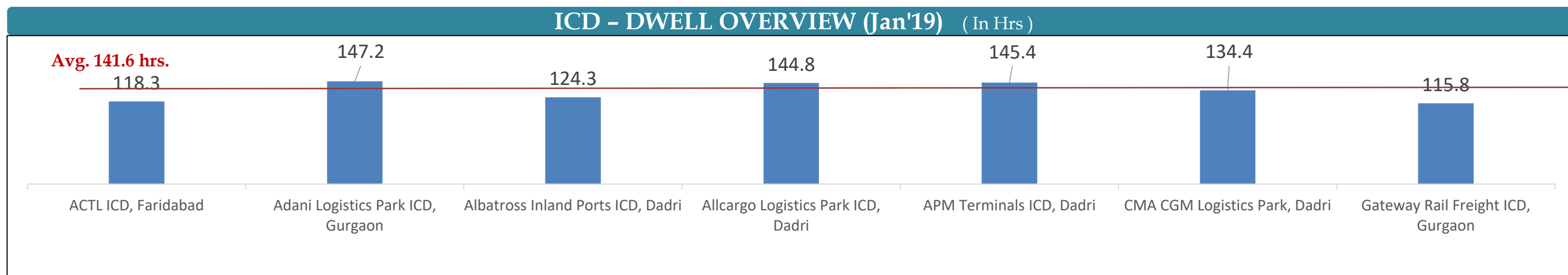
Western Corridor Port – Yearly Analysis

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

Import Cycle

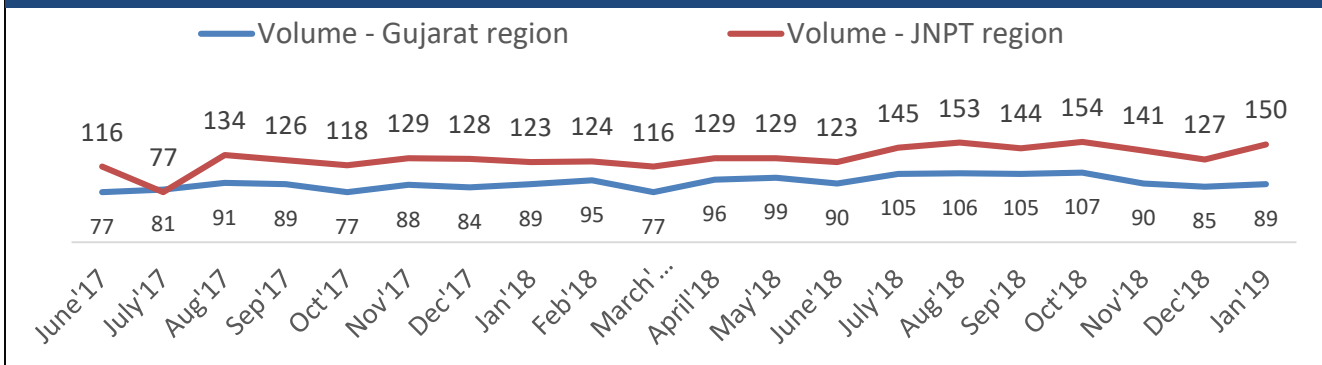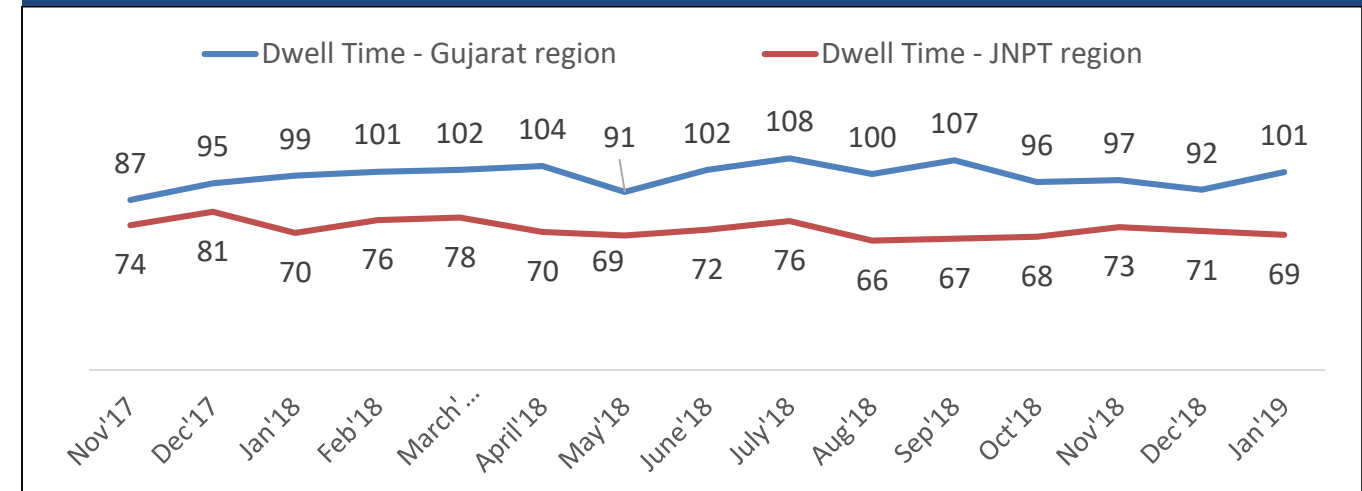**Dwell Time** – Gujarat Region Vs JNPT Region
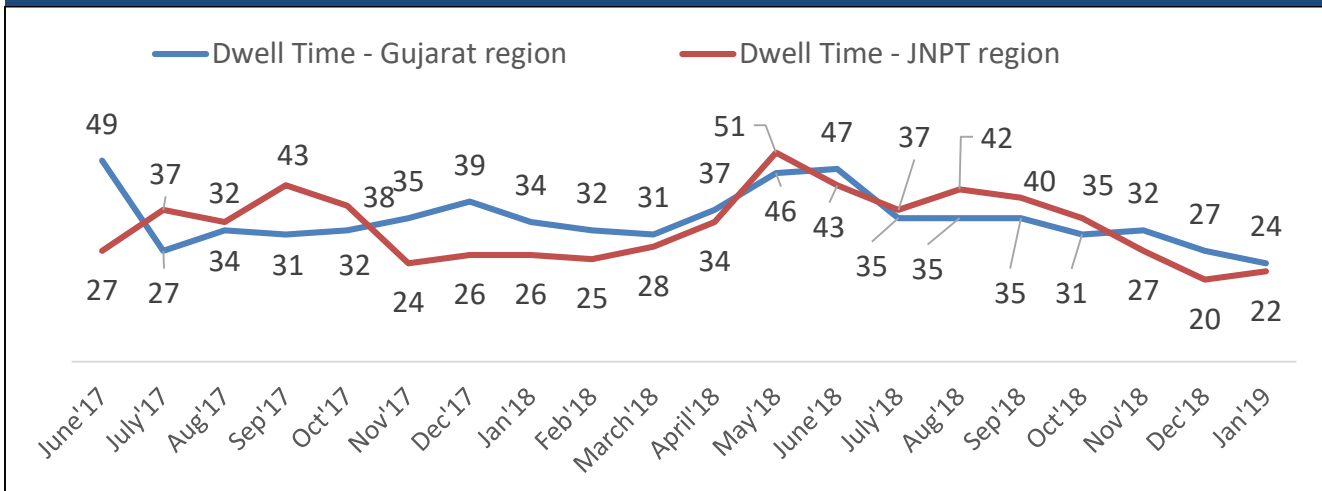
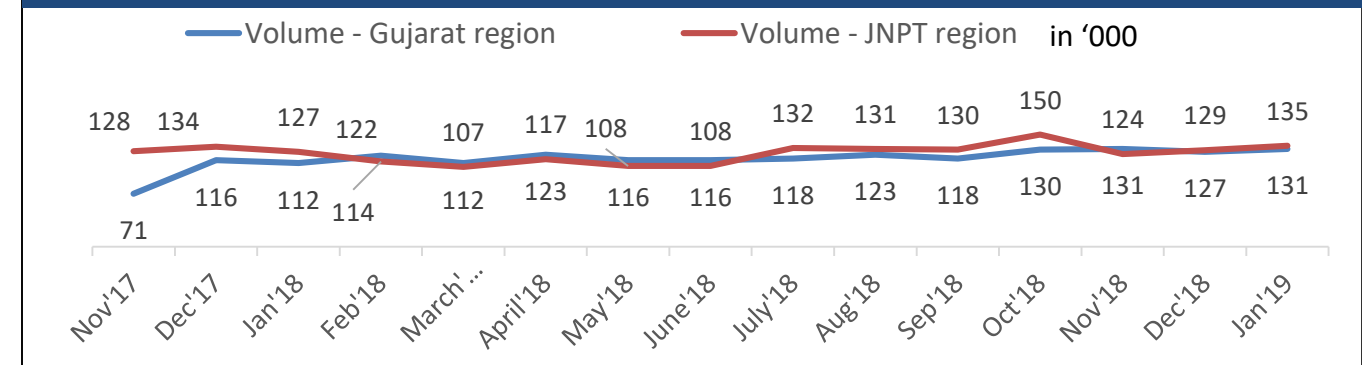in '000

Volume – Gujarat Region Vs JNPT Region

Export Cycle

Dwell Time – Gujarat Region Vs JNPT Region

Volume – Gujarat Region Vs JNPT Region   in '000

In Import cycle, for the month of Jan'19 JNPT port has catered 68% **more volume** than APSEZ Port, and has maintained 8% **lower dwell time** than APSEZ Port
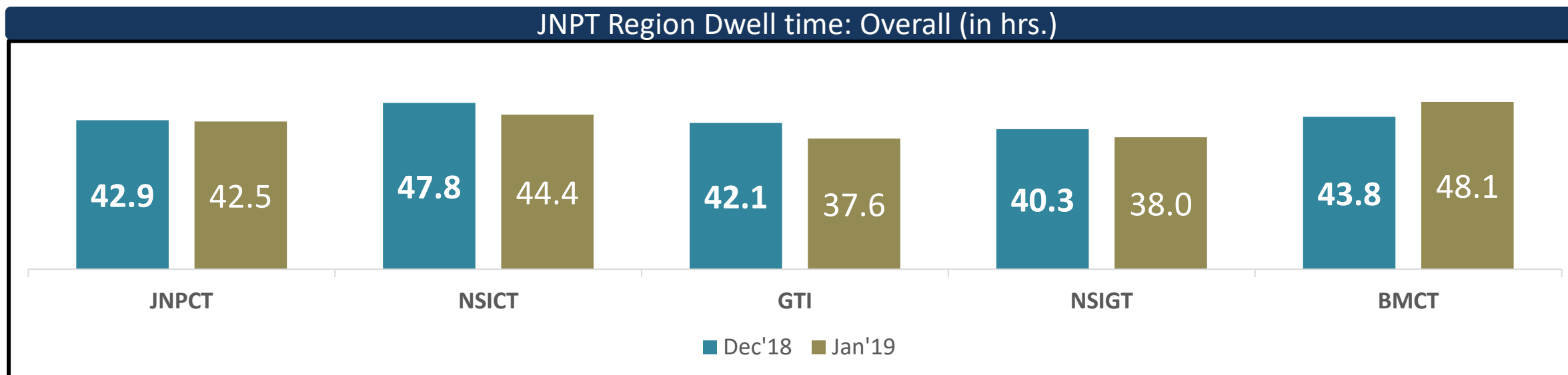
In Export cycle, for the month Jan'19 APSEZ port cater **3% more volume** then JNPT Port, but their dwell time is **31% higher** than JNPT Port

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
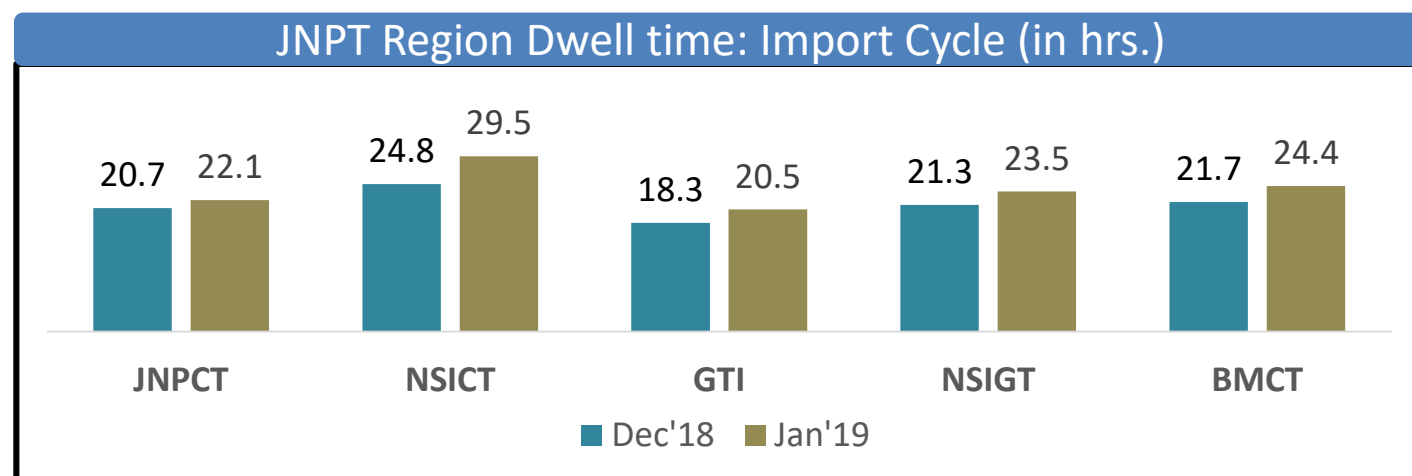
JNPT Region Dwell time: Overall (in hrs.)

	JNPCT	NSICT	GTI	NSIGT	BMCT
Dec'18	42.9	47.8	42.1	40.3	43.8
Jan'19	42.5	44.4	37.6	38.0	48.1

The overall JNPT region average dwell time for Jan'19 is 40.3 hrs as compared to 42.7 hrs in Dec'18

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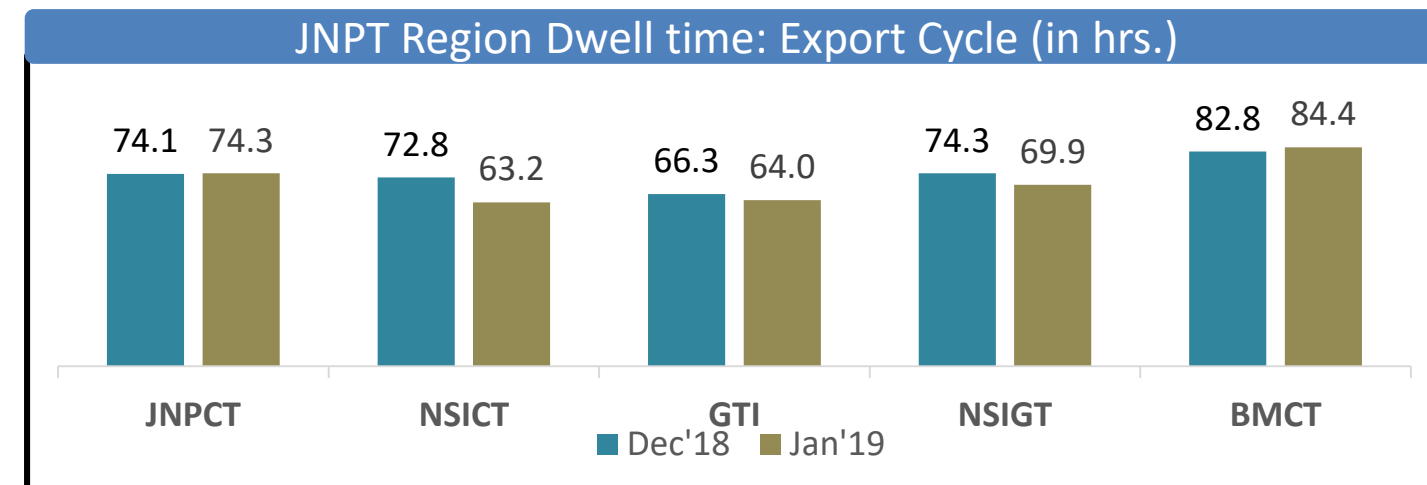
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for Jan'19 is 22.6 hrs.

JNPT Region Dwell time: Import Cycle (in hrs.)

	JNPCT	NSICT	GTI	NSIGT	BMCT
Dec'18	20.7	24.8	18.3	21.3	21.7
Jan'19	22.1	29.5	20.5	23.5	24.4

JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for Jan'19is 69.6 hrs.

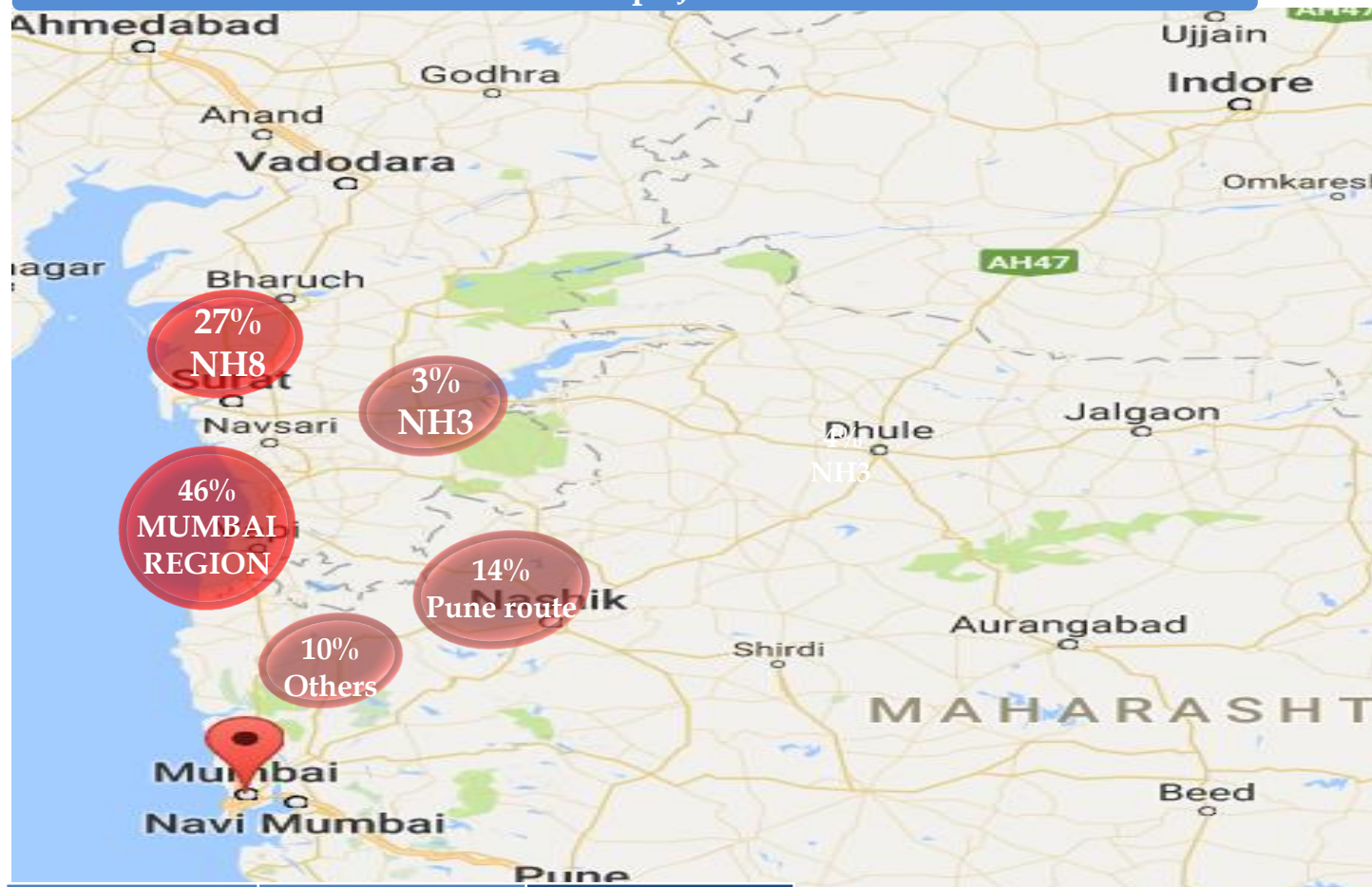#### JNPT Region Dwell time: Export Cycle (in hrs.)

	JNPCT	NSICT	GTI	NSIGT	BMCT
Dec'18	74.1	72.8	66.3	74.3	82.8
Jan'19	74.3	63.2	64.0	69.9	84.4

ANNEXURE

Container Movement Around JNPT Port Terminal Region Via Truck

DLDS
Logistics Redefined
DMICDC LOGISTICS DATA SERVICES LTD

HEAT MAP : JNPCT Port Terminal

Heat Map : Jan'19

27%
NH8

3%
NH3

46%
MUMBAI
REGION

14%
Pune route

10%
Others

Region	Dec'18	Jan'19
Mumbai region	52%	46%
NH3	3%	3%
Pune	13%	14%
NH8	22%	27%
others	10%	10%

HEAT MAP : GTI Port Terminal

Heat Map : Jan'19

28%
NH8

5%
NH3

34%
MUMBAI
REGION

23%
Pune route

10%
Others
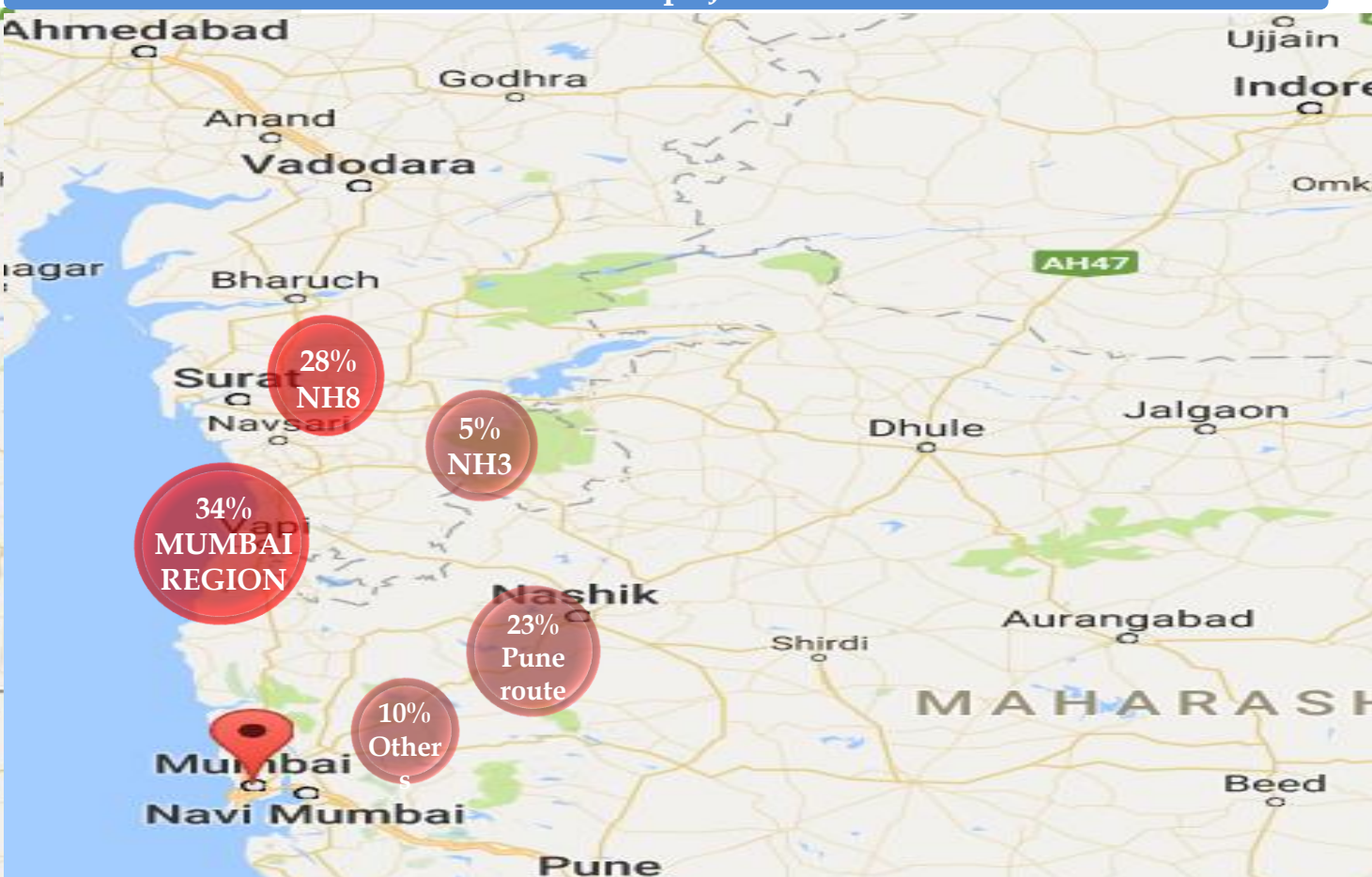
Region	Dec'18	Jan'19
Mumbai region	37%	34%
NH3	6%	5%
Pune	23%	23%
NH8	24%	28%
others	10%	10%

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

Container Movement Around JNPT Port Terminal Region Via Truck

DLDS Logistics Redefined
DMICDC LOGISTICS DATA SERVICES LTD

HEAT MAP : NSIGT Port Terminal

Heat Map : Jan'19

Region	Dec'18	Jan'19
Mumbai region	48%	30%
NH3	6%	4%
Pune	12%	26%
NH8	24%	30%
others	10%	10%

HEAT MAP : NSICT Port Terminal

Heat Map : Jan'19

Region	Dec'18	Jan'19
Mumbai region	43%	41%
NH3	4%	4%
Pune	22%	17%
NH8	21%	28%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal

Heat Map : Jan'19
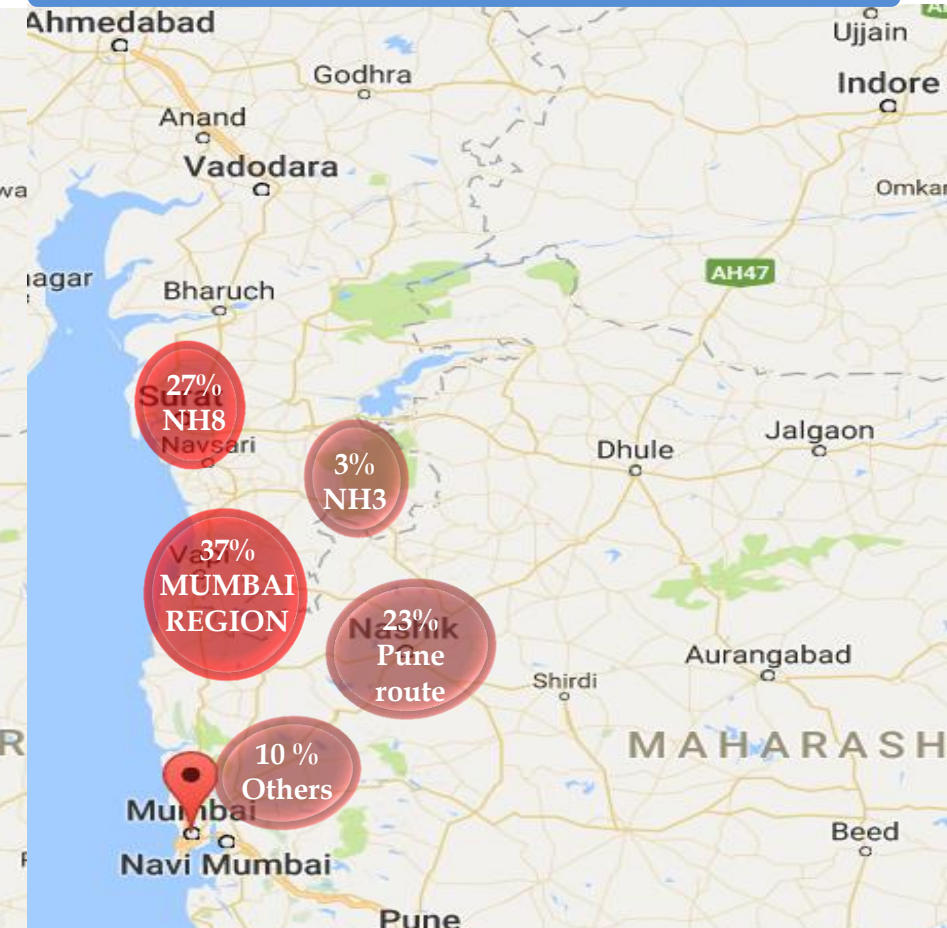
Region	Dec'18	Jan'19
Mumbai region	52%	37%
NH3	3%	3%
Pune	17%	23%
NH8	18%	27%
others	10%	10%

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 Jan'19					
CFS Out Port in (Export Cycle in Hrs)					
CFS	**JNPCT**	**GTI**	**NSICT**	**NSIGT**	**BMCT**
Apollo Logisolutions Ltd.	6.3	9.2	9.1	10.7	4.9
All Cargo Logistics Ltd., CFS	5.5	9.0	10.8	9.6	8.6
Apollo Logisolutions Ltd.	6.3	9.2	9.1	10.7	4.9
Gateway Distriparks Ltd	3.4	6.2	6.0	6.8	3.9
CWC LOGISTIC PARK - Opr.Hind Trmnl.	2.5	6.4	5.9	5.3	4.7
PUNJAB CONWARE (PW)	2.1	5.4	6.6	6.7	3.1
APM (Maersk India Pvt. Ltd)CFS	2.1	4.5	6.5	3.4	2.5
Jawaharlal Nehru Port CFS (Speedy Multimode Ltd CFS)	2.9	6.1	4.5	4.8	2.5
Ameya Logistics Pvt. Ltd.	3.9	7.4	9.6	8.5	7.9
Balmer & Lawrie & Co. Ltd.,CFS	4.2	5.8	10.3	8.8	3.5
DRONAGIRI RAIL TERMINAL	2.3	5.7	5.5	5.2	4.2
NAVKAR CORPORATION LTD.YARD-III CFS	6.2	9.2	12.0	12.4	7.3
MAHARASHTRA STATE WARE. CORP. CFS	2.3	5.5	9.0	7.6	3.0
NAVKAR CORPORATION LTD.,YARD-II CFS	8.0	11.3	8.8	11.3	10.0
Seabird Marine Services Pvt Ltd.	4.0	3.6	3.4	6.9	2.6
Transindia Logistics Park Pvt, Ltd CFS	2.3	5.0	6.9	10.5	4.7
Ashte Logistics Pvt. Ltd.	4.1	6.3	7.7	4.2	5.9
Vaishno Logistics Yard CFS	2.6	6.8	8.3	7.8	6.5
SBW Logistics CFS , Navi Mumbai	5.4	11.3	-	8.5	11.0
Indev Logistics Pvt. Ltd.CFS	2.8	5.4	8.4	6.9	4.9
International Cargo Terminals & Infrastructure Private Limited-CFS	4.3	5.1	14.1	5.2	4.9
Ocean Gate Container Terminals Pvt. Ltd.CFS	3.4	7.7	6.8	6.5	8.9
Continental Warehousing (Nhava Sheva) Ltd.	2.6	6.0	2.8	5.1	4.6
International Cargo Terminal CFS	4.1	6.1	6.6	6.5	3.9
CWC Dronagiri CFS	1.8	6.1	7.6	9.2	3.1
JWC Logistics Park Ltd CFS	2.6	16.1	-	-	-
Maersk Annex (APM)CFS	2.4	5.1	-	-	-
NAVAKAR CORPORATION LTD.,YARD-1 CFS	13.0	39.0	-	10.8	-

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	**Jan'19 (in hrs)**
All Cargo Logistics CFS, Navi Mumbai	2.2
Ameya Logistics CFS, Navi Mumbai	3.0
APM (Maersk India) CFS, Navi Mumbai	2.3
Apollo Logisolutions CFS, Panvel	5.7
Ashte Logistics CFS, Panvel	3.9
Balmer & Lawrie CFS, Navi Mumbai	2.9
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Dronagiri CFS, Navi Mumbai	17.8
CWC Hind Terminal CFS, Navi Mumbai	2.1
Dronagiri Rail Terminal CFS, Navi Mumbai	2.0
Gateway Distriparks CFS, Navi Mumbai	2.7
Indev Logistics CFS, Panvel	5.0
International Cargo Terminal CFS	2.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.2
JWC Logistics Park CFS	4.2
JWR CFS	3.2
Maersk Annex (APM)CFS, Navi Mumbai	3.6
Maharashtra State Corp CFS	2.2
Navkar Corporation Yard 1 CFS, Panvel	3.8
Navkar Corporation Yard 2 CFS, Panvel	4.8
Navkar Corporation Yard 3 CFS, Panvel	4.0
Ocean Gate CFS, Panvel	3.7
Punjab Conware CFS, Navi Mumbai	2.3
SBW Logistics CFS, Navi Mumbai	4.2
Seabird CFS, Navi Mumbai	2.4
Speedy Multimode CFS, JNPT	1.9
TG Terminals CFS	2.6
Transindia Logistics Park, Navi Mumbai	2.8
Vaishno Logistics CFS, Navi Mumbai	2.9

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	**Jan'19 (in hrs)**
All Cargo Logistics CFS, Navi Mumbai	1.8
Ameya Logistics CFS, Navi Mumbai	2.4
APM (Maersk India) CFS, Navi Mumbai	2.3
Apollo Logisolutions CFS, Panvel	4.6
Ashte Logistics CFS, Panvel	2.9
Balmer & Lawrie CFS, Navi Mumbai	2.2
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Dronagiri CFS, Navi Mumbai	
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronagiri Rail Terminal CFS, Navi Mumbai	1.4
Gateway Distriparks CFS, Navi Mumbai	2.6
Indev Logistics CFS, Panvel	4.2
International Cargo Terminal CFS	2.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.4
JWC Logistics Park CFS	4.1
JWR CFS	2.3
Maersk Annex (APM)CFS, Navi Mumbai	2.7
Maharashtra State Corp CFS	2.8
Navkar Corporation Yard 1 CFS, Panvel	3.2
Navkar Corporation Yard 2 CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	3.1
Ocean Gate CFS, Panvel	3.4
Punjab Conware CFS, Navi Mumbai	2.0
SBW Logistics CFS, Navi Mumbai	5.2
Seabird CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	1.8
TG Terminals CFS	2.0
Transindia Logistics Park, Navi Mumbai	2.8
Vaishno Logistics CFS, Navi Mumbai	2.2

CFS Delivery Time Analysis

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

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

AVERAGE DELIVERY TIME (In Hrs)- NSICT TO ALL CFS IN MUMBAI	
CFS	Jan'19 (in hrs)
All Cargo Logistics CFS, Navi Mumbai	2.3
Ameya Logistics CFS, Navi Mumbai	3.2
APM (Maersk India) CFS, Navi Mumbai	2.1
Apollo Logisolutions CFS, Panvel	3.5
Ashte Logistics CFS, Panvel	4.2
Balmer & Lawrie CFS, Navi Mumbai	1.7
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Dronagiri CFS, Navi Mumbai	
CWC Hind Terminal CFS, Navi Mumbai	2.1
Dronagiri Rail Terminal CFS, Navi Mumbai	
Gateway Distriparks CFS, Navi Mumbai	3.2
Indev Logistics CFS, Panvel	5.7
International Cargo Terminal CFS	2.1
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9
JWC Logistics Park CFS	4.9
JWR CFS	32.0
Maersk Annex (APM)CFS, Navi Mumbai	3.7
Maharashtra State Corp CFS	6.8
Navkar Corporation Yard 1 CFS, Panvel	4.2
Navkar Corporation Yard 2 CFS, Panvel	4.7
Navkar Corporation Yard 3 CFS, Panvel	4.4
Ocean Gate CFS, Panvel	15.4
Punjab Conware CFS, Navi Mumbai	2.8
SBW Logistics CFS, Navi Mumbai	40.9
Seabird CFS, Navi Mumbai	2.4
Speedy Multimode CFS, JNPT	1.4
TG Terminals CFS	2.0
Transindia Logistics Park, Navi Mumbai	4.6
Vaishno Logistics CFS, Navi Mumbai	2.9

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

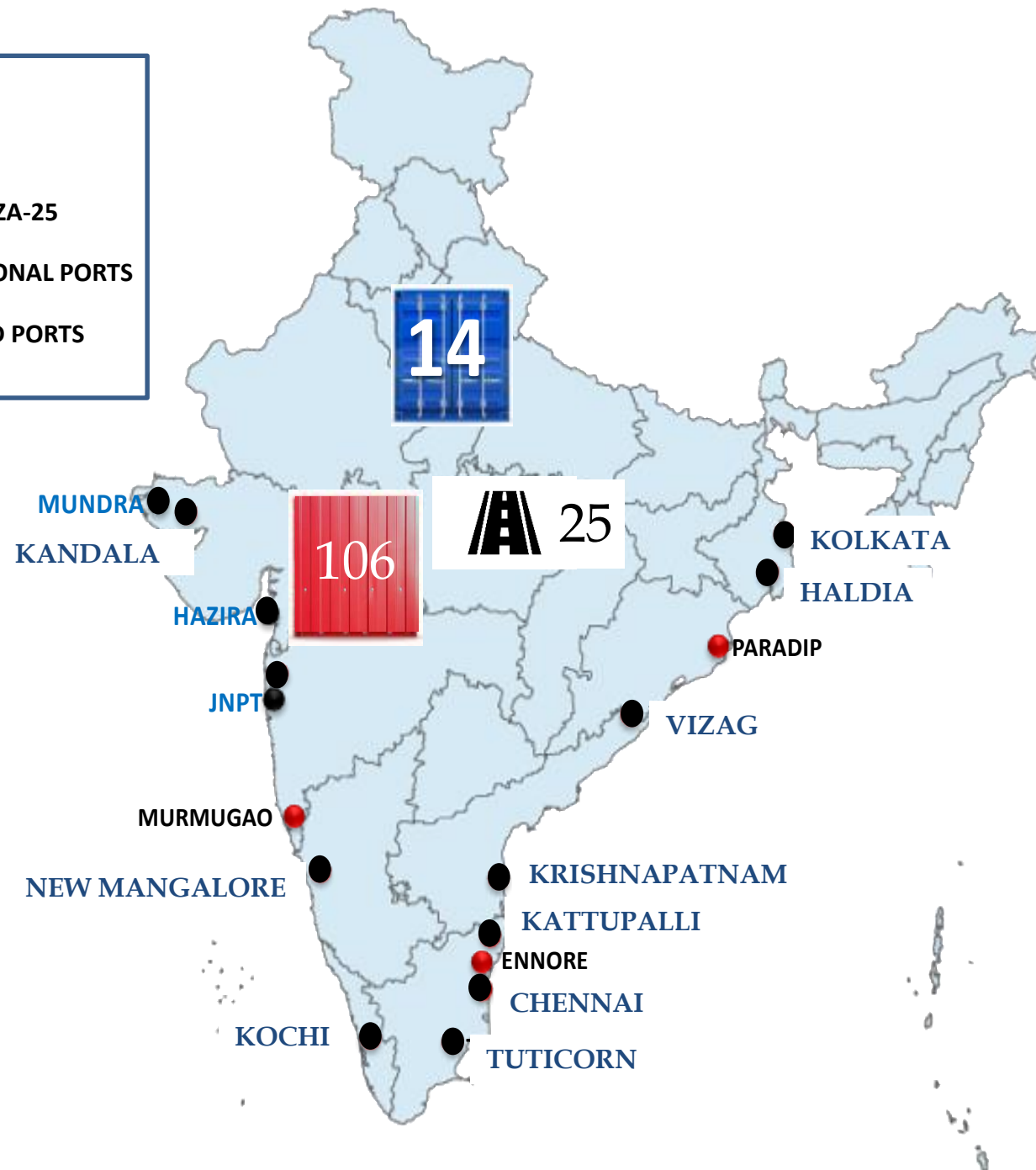| AVERAGE DELIVERY TIME (In Hrs)- NSIGT TO ALL CFS IN MUMBAI	
CFS	Jan'19 (in hrs)
All Cargo Logistics CFS, Navi Mumbai	2.3
Ameya Logistics CFS, Navi Mumbai	2.4
APM (Maersk India) CFS, Navi Mumbai	2.1
Apollo Logisolutions CFS, Panvel	6.9
Ashte Logistics CFS, Panvel	5.0
Balmer & Lawrie CFS, Navi Mumbai	2.1
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Dronagiri CFS, Navi Mumbai	
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronagiri Rail Terminal CFS, Navi Mumbai	2.3
Gateway Distriparks CFS, Navi Mumbai	2.6
Indev Logistics CFS, Panvel	5.5
International Cargo Terminal CFS	2.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.4
JWC Logistics Park CFS	4.4
JWR CFS	2.6
Maersk Annex (APM)CFS, Navi Mumbai	3.5
Maharashtra State Corp CFS	1.7
Navkar Corporation Yard 1 CFS, Panvel	3.5
Navkar Corporation Yard 2 CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	3.0
Ocean Gate CFS, Panvel	4.2
Punjab Conware CFS, Navi Mumbai	2.1
SBW Logistics CFS, Navi Mumbai	7.2
Seabird CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	2.4
TG Terminals CFS	2.0
Transindia Logistics Park, Navi Mumbai	3.3
Vaishno Logistics CFS, Navi Mumbai	2.9

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	Jan'19 (in hrs)
All Cargo Logistics CFS, Navi Mumbai	2.4
Ameya Logistics CFS, Navi Mumbai	3.1
APM (Maersk India) CFS, Navi Mumbai	2.5
Apollo Logisolutions CFS, Panvel	4.2
Ashte Logistics CFS, Panvel	4.8
Balmer & Lawrie CFS, Navi Mumbai	2.1
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Dronagiri CFS, Navi Mumbai	29.5
CWC Hind Terminal CFS, Navi Mumbai	2.1
Dronagiri Rail Terminal CFS, Navi Mumbai	2.4
Gateway Distriparks CFS, Navi Mumbai	3.2
Indev Logistics CFS, Panvel	4.9
International Cargo Terminal CFS	2.5
International Cargo Terminals (ULA) CFS, Navi Mumbai	3.3
JWC Logistics Park CFS	4.3
JWR CFS	4.2
Maersk Annex (APM)CFS, Navi Mumbai	3.2
Maharashtra State Corp CFS	2.7
Navkar Corporation Yard 1 CFS, Panvel	4.4
Navkar Corporation Yard 2 CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	3.6
Ocean Gate CFS, Panvel	5.3
Punjab Conware CFS, Navi Mumbai	2.5
SBW Logistics CFS, Navi Mumbai	4.7
Seabird CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	1.6
TG Terminals CFS	2.3
Transindia Logistics Park, Navi Mumbai	3.3
Vaishno Logistics CFS, Navi Mumbai	2.2

LDB Operations Snapshot

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

Map labels: MUNDRA, KANDALA, HAZIRA, JNPT, MURMUGAO, NEW MANGALORE, KOCHI, TUTICORN, CHENNAI, ENNORE, KATTUPALLI, KRISHNAPATNAM, VIZAG, PARADIP, HALDIA, KOLKATA

Below mentioned are all the CFS in the respective Clusters :

Cluster 1
(JNPT Area)

- Speedy Multimode CFS,JNPT

Cluster 2
(Bhendkhal area, Khopate road)

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

Cluster 3
Sonari area,JNPT road

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

Cluster 4
(Chirle area , JNPT road)
- Vaishno Logistics CFS, Navi Mumbai

Cluster 5
(Plaspa area, Coachi kanyakumari Highway)
- JWC Logistics Park CFS
- Ocean Gate CFS, Panvel

Cluster 6
(Salva apta rd area, Bangalore highway)

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

Cluster 7
(Patilpada area, Khopate JNPT road)

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

Cluster 8
SBW

Annexure

List of CFS name used in CFS Performance Index

1	All Cargo Logistics CFS, Navi Mumbai
2	Ameya Logistics CFS, Navi Mumbai
3	APM (Maersk India) CFS, Navi Mumbai
4	Apollo Logisolutions CFS, Panvel
5	Ashte Logistics CFS, Panvel
6	Balmer & Lawrie CFS, Navi Mumbai
7	Continental Warehousing CFS, Navi Mumbai
8	CWC Dronagiri CFS, Navi Mumbai
9	Gateway Distriparks CFS, Navi Mumbai
10	Indev Logistics CFS, Panvel
11	International Cargo Terminal CFS
12	International Cargo Terminals (ULA) CFS, Navi Mumbai
13	JWR CFS
14	Maersk Annex (APM)CFS, Navi Mumbai
15	Maharashtra State Corp CFS
16	Navkar Corporation Yard 1 CFS, Panvel
17	Navkar Corporation Yard 2 CFS, Panvel
18	Navkar Corporation Yard 3 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

List of ICD name used in ICD Performance Index

1	ACTL ICD, Faridabad
2	Adani Logistics Park ICD, Gurgaon
3	Albatross Inland Ports ICD, Dadri
4	Allcargo Logistics Park ICD, Dadri
5	APM Terminals ICD, Dadri
6	CMA CGM Logistics Park, Dadri
7	Gateway Rail Freight ICD, Gurgaon

THANK YOU