Terminal wise Dwell Time Performance – Snapshot

Import Cycle		
Port	**Dec'23 (in hrs)**	**Jan'24 (in hrs)**
NSFT	20.5	16.0
NSICT	19.4	17.4
GTI	15.0	14.3
NSIGT	19.9	24.0
BMCT	20.2	22.2

Export Cycle		
Port	**Dec'23 (in hrs)**	**Jan'24 (in hrs)**
NSFT	73.3	71.9
NSICT	54.5	46.3
GTI	73.4	64.6
NSIGT	77.4	77.6
BMCT	69.5	72.6

Critical Incident Summary

Jawaharlal Nehru Port Authority

- Overall container handling performance (Port Dwell Time) in Import cycle has declined and Export Cycle has improved. CFS Dwell Time in Import cycle has reduced. ICD Dwell Time in both Export and Import cycle has improved.

Month	Port Dwell Time Import	Port Dwell Time Export	CFS Dwell Time Import	CFS Dwell Time Export	ICD Dwell Time Import	ICD Dwell Time Export
Jan'24	**18.6 hrs**	**68.1 hrs**	**92.2 hrs**	-	**143.2 hrs**	**103.6 hrs**
	1.1%	3.3%	8.9%		9.6%	8.2%
Dec'23	**18.4 hrs**	**70.4 hrs**	**84.7 hrs**	-	**158.4 hrs**	**112.9 hrs**

Container Transportation Performance - Western Corridor

Port Dwell Time

IMPORT

Mode	Dec'23 (in hrs)	Jan'24 (in hrs)
Overall	23.0	21.4
Truck	18.0	16.6
Train	75.4	56.8

EXPORT

Mode	Dec'23 (in hrs)	Jan'24 (in hrs)
Overall	85.1	87.3
Truck	81.2	81.2
Train	107.9	117.2

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

Inland Container Depot (ICD)

Container Freight Stations (CFS)

Entity	Dec'23 (in hrs)	Jan'24 (in hrs)
CFS Import	94.6	96.3
ICD Import	158.4	143.2

Entity	Dec'23 (in hrs)	Jan'24 (in hrs)
CFS Export	-	-
ICD Export	112.9	103.6

The marked entries showcase increase in performance in comparison to Dec'23

The marked entries showcase Decrease in performance in comparison to Dec'23

NLDS
NICDC LOGISTICS DATA SERVICES LTD
Logistics Redefined

Performance Benchmarking - Port Terminals

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

Performance Index – Jan'24
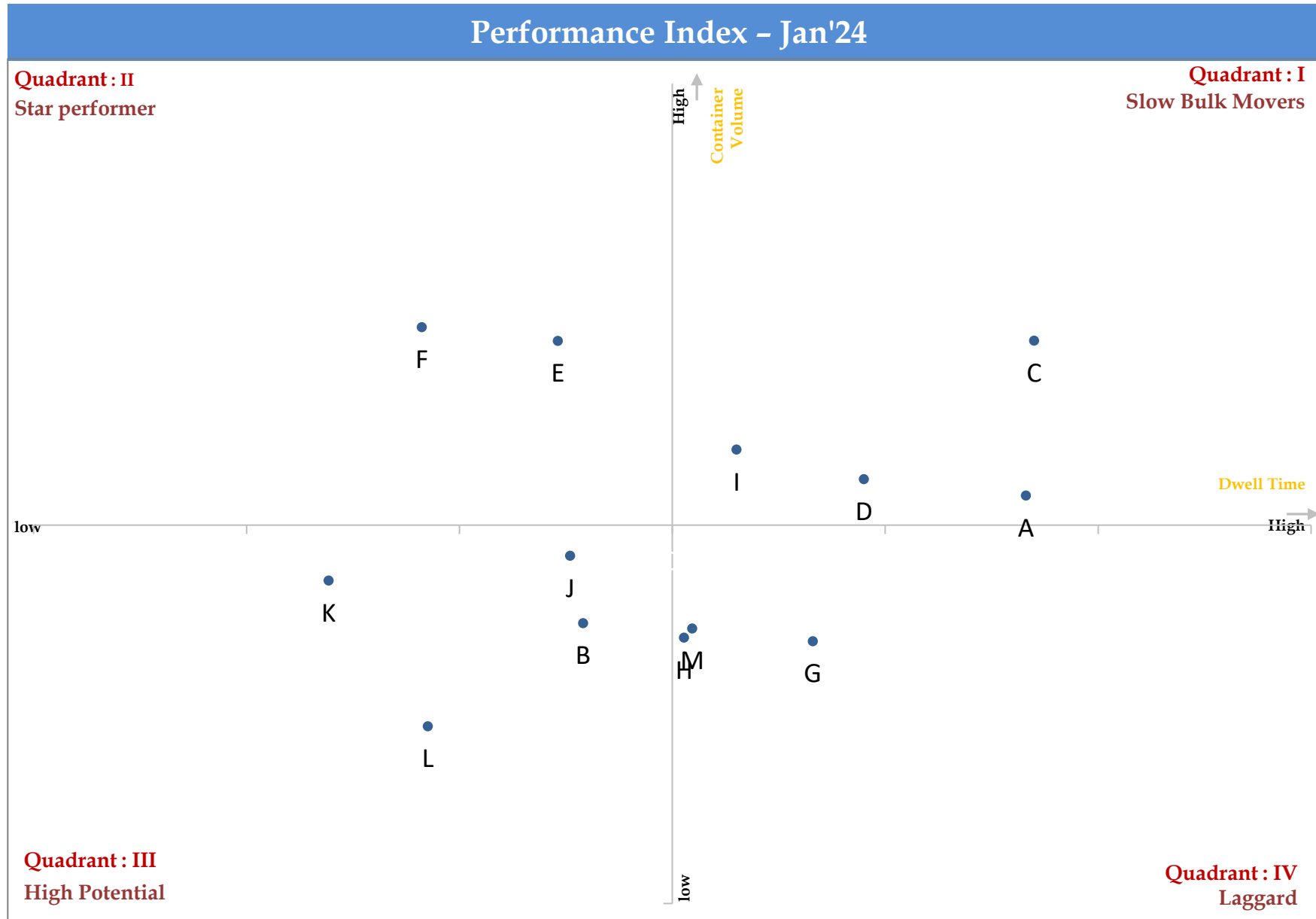

Quadrant : II
Star performer

Quadrant : I
Slow Bulk Movers

Container Volume — High

Dwell Time

low — High

Quadrant : III
High Potential

Quadrant : IV
Laggard

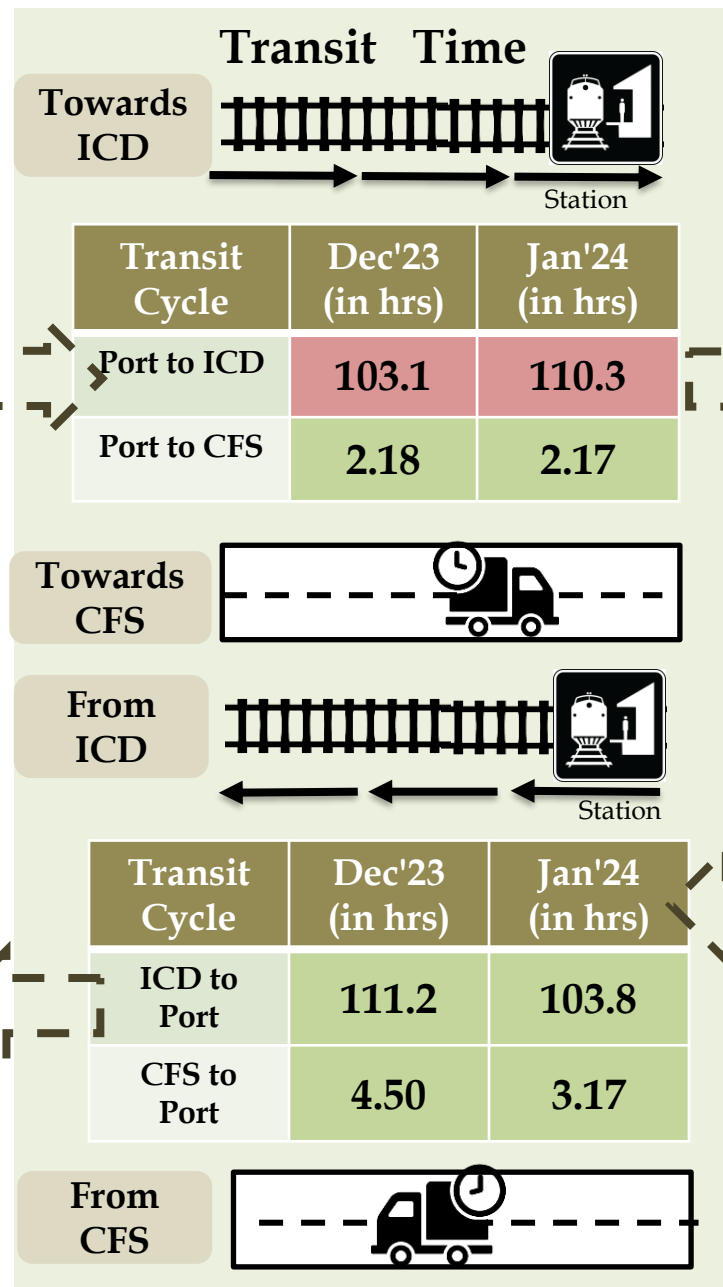| Abb.	Name of Terminal
A	Adani CMA Mundra Terminal (ACMTPL)
B	Adani Hazira Port Private Limited (AHPPL)
C	Adani International Container Terminal (AICTPL)
D	Adani Mundra Container Terminal (AMCT)
E	Bharat Mumbai Container Terminals(PSA)
F	Gateway Terminals India (GTI)
G	APM Terminals Pipavav, Gujarat
H	Nhava Sheva Freeport Terminal (NSFT)
I	Mundra International Container Terminal (MICT)
J	Nhava Sheva India Gateway Terminal (NSIGT)
K	Nhava Sheva International Container Terminal (NSICT)
L	Kandla International Container Terminal (KICT)
M	Adani Mundra Container Terminal-2 (AMCT-2)

Container Transportation- JNPA Port Terminals

NLDS NICDC LOGISTICS DATA SERVICES LTD — Logistics Redefined

Container Lifecycle (Import Cycle) →

IMPORT

Port Dwell Time

Mode	Dec'23 (in hrs)	Jan'24 (in hrs)
Overall	18.4	18.6
Truck	15.5	15.7
Train	62.2	43.6

EXPORT

Mode	Dec'23 (in hrs)	Jan'24 (in hrs)
Overall	70.4	68.1
Truck	68.7	66.3
Train	82.6	79.6

Transit Time

Towards ICD — Station

Transit Cycle	Dec'23 (in hrs)	Jan'24 (in hrs)
Port to ICD	103.1	110.3
Port to CFS	2.18	2.17

Towards CFS

From ICD — Station

Transit Cycle	Dec'23 (in hrs)	Jan'24 (in hrs)
ICD to Port	111.2	103.8
CFS to Port	4.50	3.17

From CFS

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

ICD   CFS

Entity	Dec'23 (in hrs)	Jan'24 (in hrs)
CFS Import	84.7	92.2
ICD Import	158.4	143.2

Entity	Dec'23 (in hrs)	Jan'24 (in hrs)
CFS Export	-	-
ICD Export	112.9	103.6

Volume distribution at port terminal – Truck/Rail

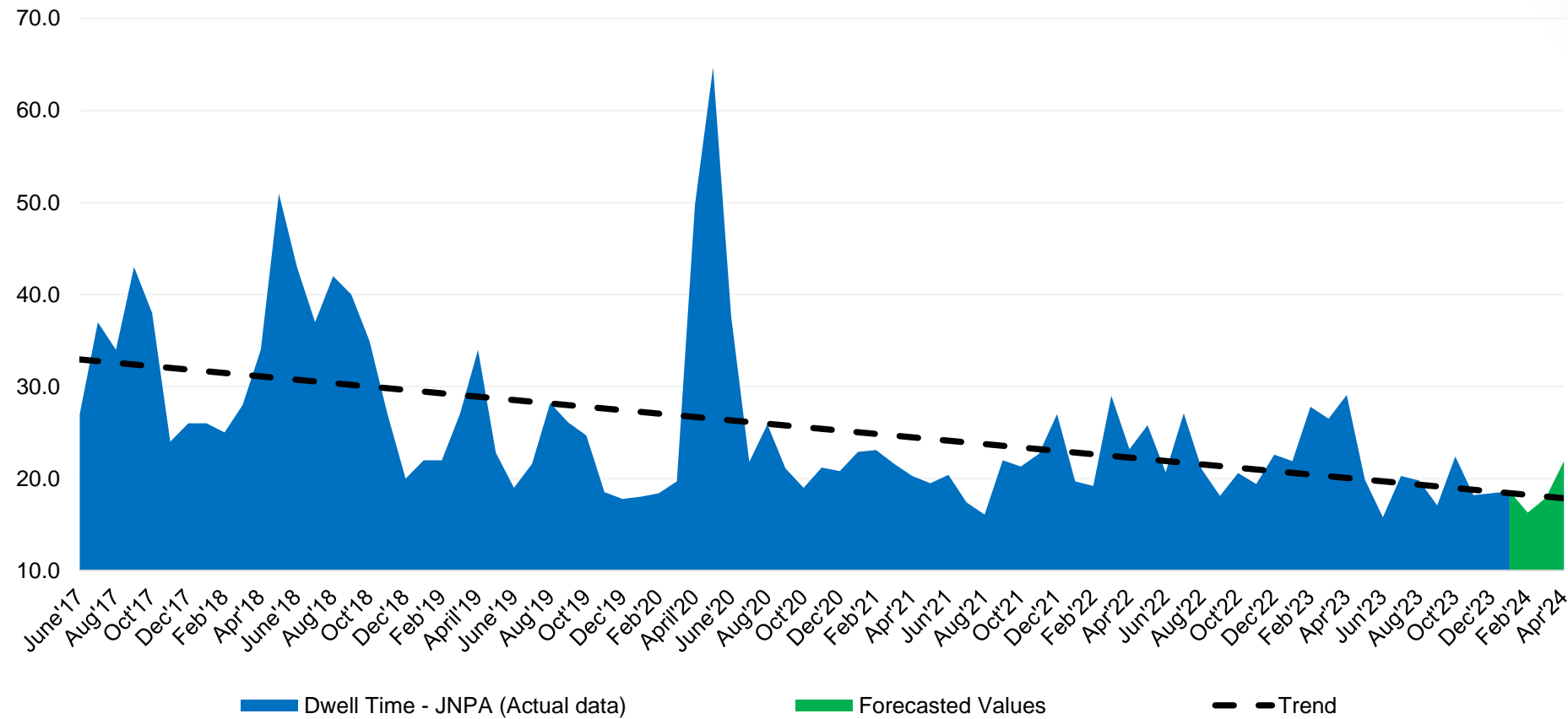|	Truck	Rail
Import	80%	20%
Export	80%	20%

The marked entries showcase the increase in performance as compared to Dec'23

The marked entries showcase the decrease in performance as compared to Dec'23

Container Lifecycle (Export Cycle) ←

Container Transportation- JNPA Port Terminals

Import Cycle

Particulars		Dec'23 (in hrs)	Jan'24 (in hrs)
Dwell Time	Overall Dwell Time	18.4	18.6
	Truck Bound Containers	15.5	15.7
	Train Bound Containers	62.2	43.6
	Direct Port Entry (DPE) containers	23.7	20.5
	Containers bound for CFS	15.1	15.0
	Empty Containers	22.6	27.1
	Laden Containers	18.0	17.7
Transit Time	Port to CFS	103.1	110.3
	Port to ICD	2.18	2.17

Export Cycle

Particulars		Dec'23 (in hrs)	Jan'24 (in hrs)
Dwell Time	Overall Dwell Time	70.4	68.1
	Truck Bound Containers	68.7	66.3
	Train Bound Containers	82.6	79.6
	Direct Port Entry (DPE) containers	76.6	70.5
	Containers bound for CFS	64.9	66.2
	Empty Containers	65.0	62.4
	Laden Containers	74.4	72.3
Transit Time	CFS to Port	111.2	103.8
	ICD to Port	4.50	3.17

Container Transportation- JNPA Port Terminals

JNPA Port – Import Cycle

Legend:
- ▬ Dwell Time - JNPA (Actual data)
- ▬ Forecasted Values
- --- Trend

Import Cycle

■ JNPA dwell time prediction is based on import dwell time i.e. for import bound containers.

■ It has been observed that the overall trend of dwell time is decreasing.

■ Due to the cyclic variations in the monthly data it is expected to reach a local maxima in Apr'24.

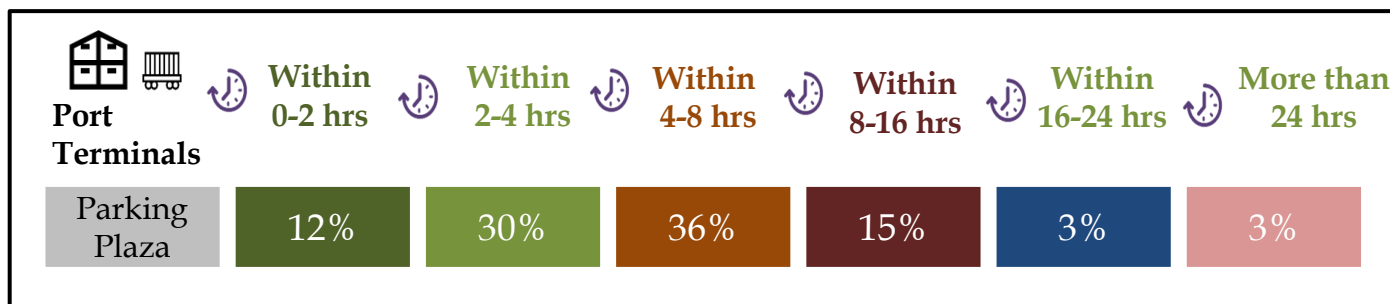|	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24	Apr'24
Actual Dwell Time (in hours)	18.2	18.4	18.6	-	-	-
Forecasted Dwell Time (in hours)	15.8	16.2	15.6	16.3	17.9	21.9

JNPA Region: Parking Plaza Dwell Time Analysis

The below table depicts the Parking Plaza & Parking Plaza to Port Transit Performance at JNPA Port Terminals and their volume bifurcation in export cycle

Parking Plaza Gate In – Gate Out

Mode	Dec'23 (in hrs)	Jan'24 (in hrs)
Overall Parking Plaza	4.32	5.10

Container Handled: Day wise (Jan'24)

Port Terminals	Within 0-2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
Parking Plaza	12%	30%	36%	15%	3%	3%

Parking Plaza Gate Out – Terminal In

Mode	Dec'23 (in hrs)	Jan'24 (in hrs)
Overall Parking Plaza to JNPA Port	0.97	0.57

Port	Dec'23 (in hrs)	Jan'24 (in hrs)
NSFT	0.6	-
NSICT	2.0	2.8
GTI	0.7	0.5
NSIGT	1.5	1.1
BMCT	6.2	2.2

Container Handled: Day wise (Jan'24)

Port Terminals	Within 0-2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
NSFT	-	-	-	-	-	-
NSICT	47%	24%	24%	6%	0%	0%
GTI	99%	1%	0%	0%	0%	0%
NSIGT	72%	18%	7%	2%	0%	1%
BMCT	42%	41%	16%	1%	0%	0%

CFS/ICD Performance Benchmarking & Performance Index - Western Corridor
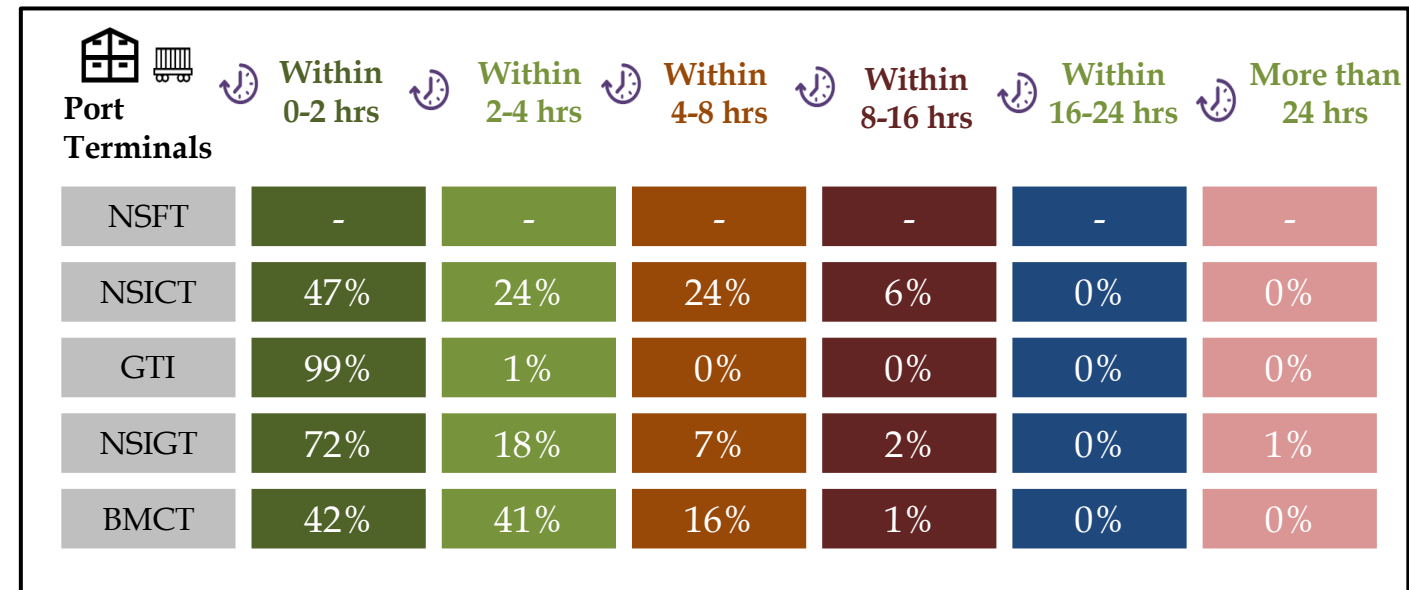
CFS | **Performance Benchmarking** | **ICD**

Top Performing CFS	Top Performing ICD
CWC CFS, Mundra	**Continental Warehousing Corporation Nhava Sheva pvt.**

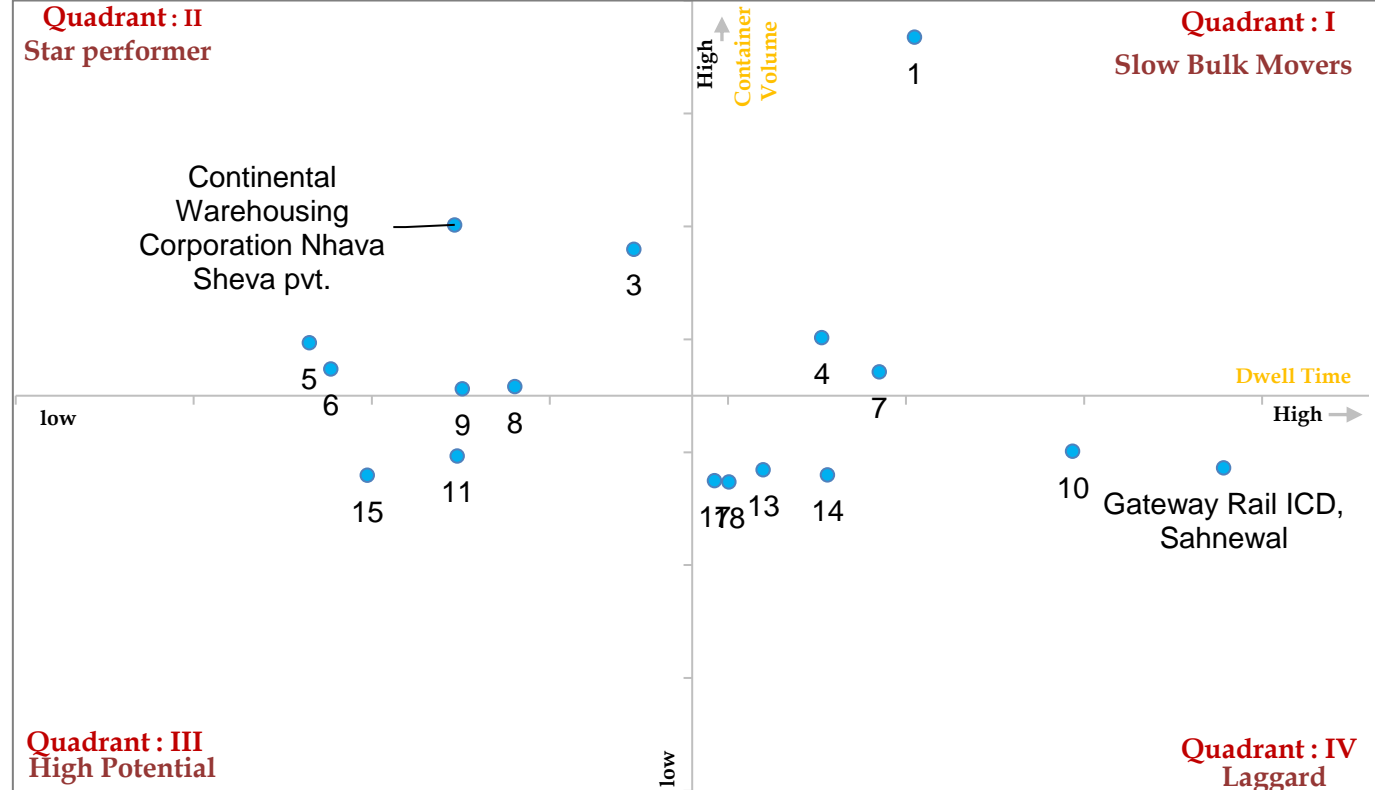| Low Performing CFS	Low Performing ICD
Navkar Corporation Yard 1 CFS, Panvel	**Gateway Rail ICD, Sahnewal**

Performance Index: Western Corridor CFS
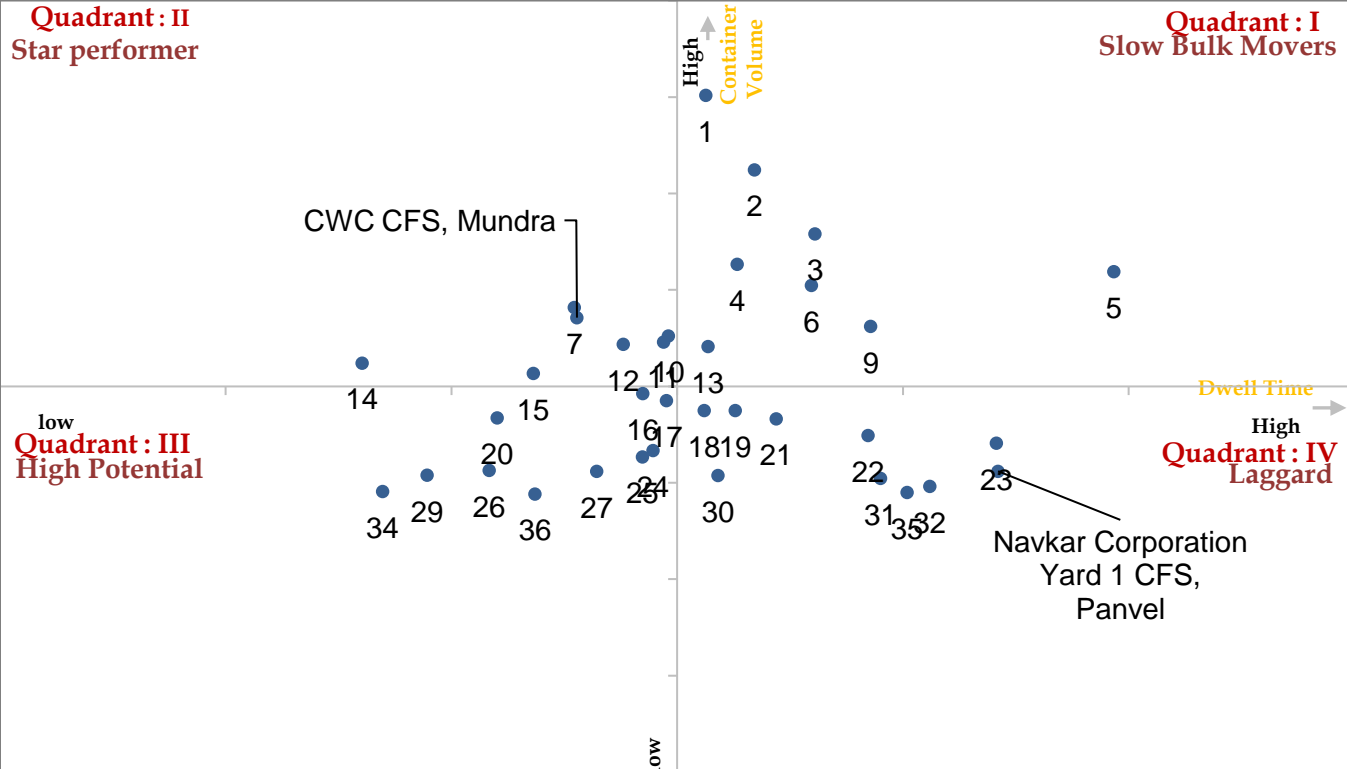
Performance Index: ICD

Kindly refer to Annexure section for the names of CFS

Import Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the port dwell time performance at JNPA ports (covered under LDB) for truck and train bound containers in import cycle via Truck and Train

PORT IMPORT via TRAIN
(20% of total import container volume)

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'23 (in hrs)	Jan'24 (in hrs)
NSFT	52.3	29.5
NSICT	54.1	36.4
GTI	47.5	37.6
NSIGT	63.2	42.3
BMCT	80.7	58.1

Container Handled: Day wise (Jan'24)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	42%	31%	12%	7%	3%	4%
NSICT	31%	31%	17%	5%	6%	11%
GTI	30%	30%	17%	10%	8%	4%
NSIGT	22%	32%	16%	10%	11%	9%
BMCT	20%	23%	16%	14%	14%	13%

PORT IMPORT via TRUCK
(80% of total import container volume)

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'23 (in hrs)	Jan'24 (in hrs)
NSFT	17.4	14.0
NSICT	16.9	15.6
GTI	13.0	12.3
NSIGT	16.5	20.0
BMCT	16.6	18.7

Container Handled: Day wise (Jan'24)

| Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	76%	17%	4%	2%	0%	0%
NSICT	69%	21%	6%	2%	1%	0%
GTI	77%	14%	5%	2%	1%	1%
NSIGT	58%	25%	9%	4%	3%	1%
BMCT	63%	23%	8%	4%	2%	0%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jan'24

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	Direct Port Delivery (DPD) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	16.0	16.1	23.5	14.2
NSICT	55.3	12.8	28.9	14.8
GTI	34.8	12.7	23.5	13.9
NSIGT	50.9	18.5	27.0	23.2
BMCT	31.4	17.9	27.3	21.8

JNPA Region: Congestion Analysis (Import Cycle)

The Below map indicate congestion around JNPA region in Import Cycle in month of Jan'24
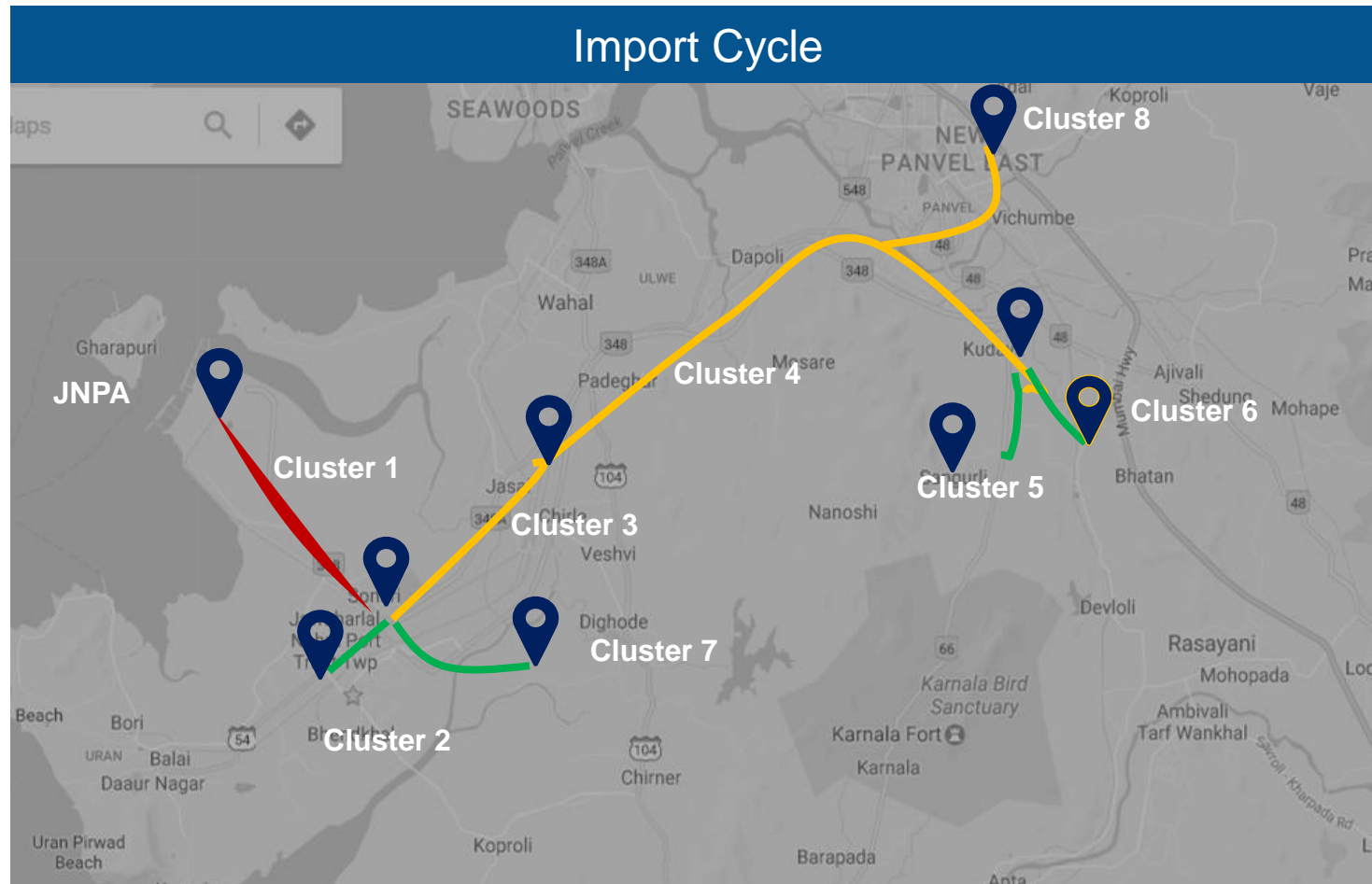
Import Cycle

Serial	Cluster Name	Congestion
Cluster 1	JNPA area	High
Cluster 2	Bhendkhal area, khopate road	Low
Cluster 3	Sonari area,JNPA road	Medium
Cluster 4	Chirle area, JNPA road	Medium
Cluster 5	Plaspa area, coach kanyakumari highway	Low
Cluster 6	Salva apta rd area, bangalore highway	Low
Cluster 7	Patilpada area, khopate JNPA road	Medium
Cluster 8	Taloja, navi mumbai	Medium

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

GTI Terminal

Congestion Level
Import Cycle :-

NSFT Terminal

Congestion Level
Import Cycle :-

NSICT Terminal

Congestion Level
Import Cycle :-

NSIGT Terminal

Congestion Level
Import Cycle :-

BMCT Terminal

Congestion Level
Import 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

JNPA Region Import Cycle: Container Movement

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

Truck
HEAT MAP : OVERALL MUMBAI REGION

Region	Jan'24
Mumbai region	86%
NH3	1%
Pune	3%
NH48	0%
Others	10%

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

Heat Map via Truck: Jan'24
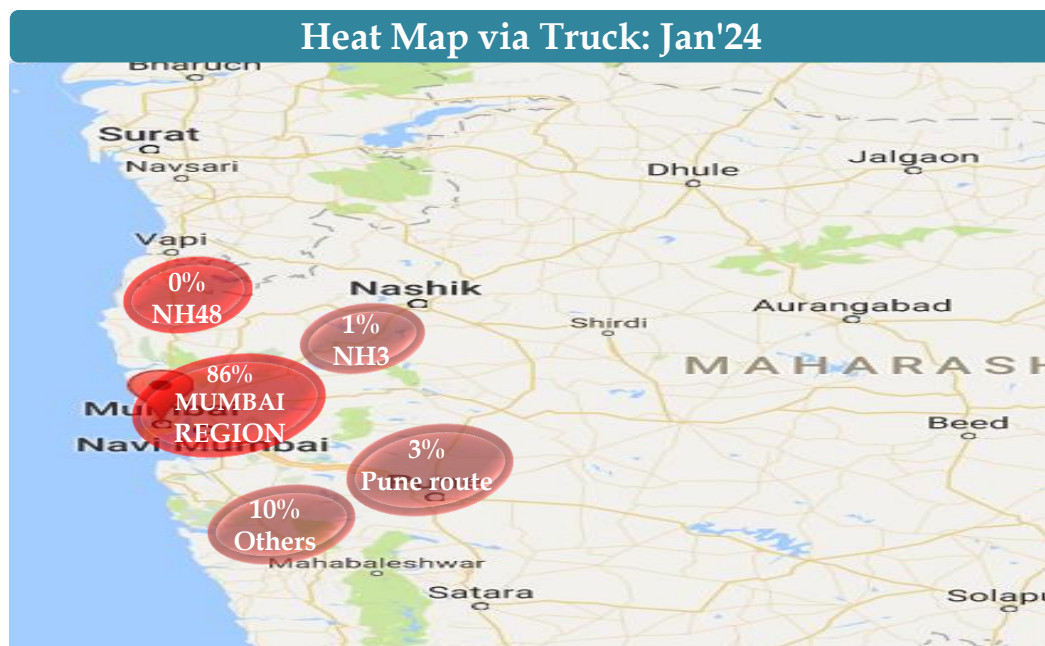
Train
VOLUME WISE CONTAINER MOVEMENT

Region	Jan'24
Vadodra Route	26%
Ratlam Route	20%
Wardha Route	31%
Kota Route	9%
Bhopal Route	14%

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

Container movement via Rail – Jan'24

Western Corridor Toll Plaza Analysis
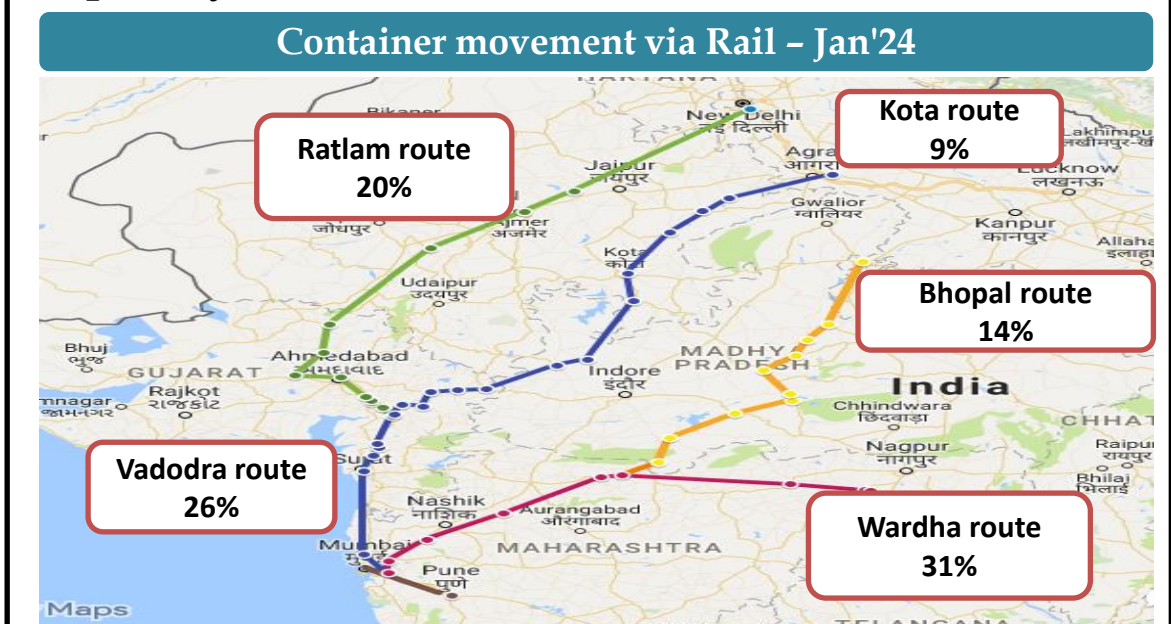
Avg. Speed between Toll to Toll Plazas					
	Source	Destination Toll Plaza	Inter Distance (Km)	Dec'23 (in km/hrs)	Jan'24 (in km/hrs)
JNPA	JNPA	Khaniwade	94	13.0	-
	JNPA	Khalapur	60	13.7	13.1
	Khaniwade	Charoti	50	32.7	-
	Charoti	Boriach	126	22.0	32.1
	Boriach	Bharthan	142	32.5	31.9
	Bharthan	Vasad	60	29.7	36.6
	Khalalpur	Khedshivpur	105	25.9	33.5

Toll Plaza - JNPA Port
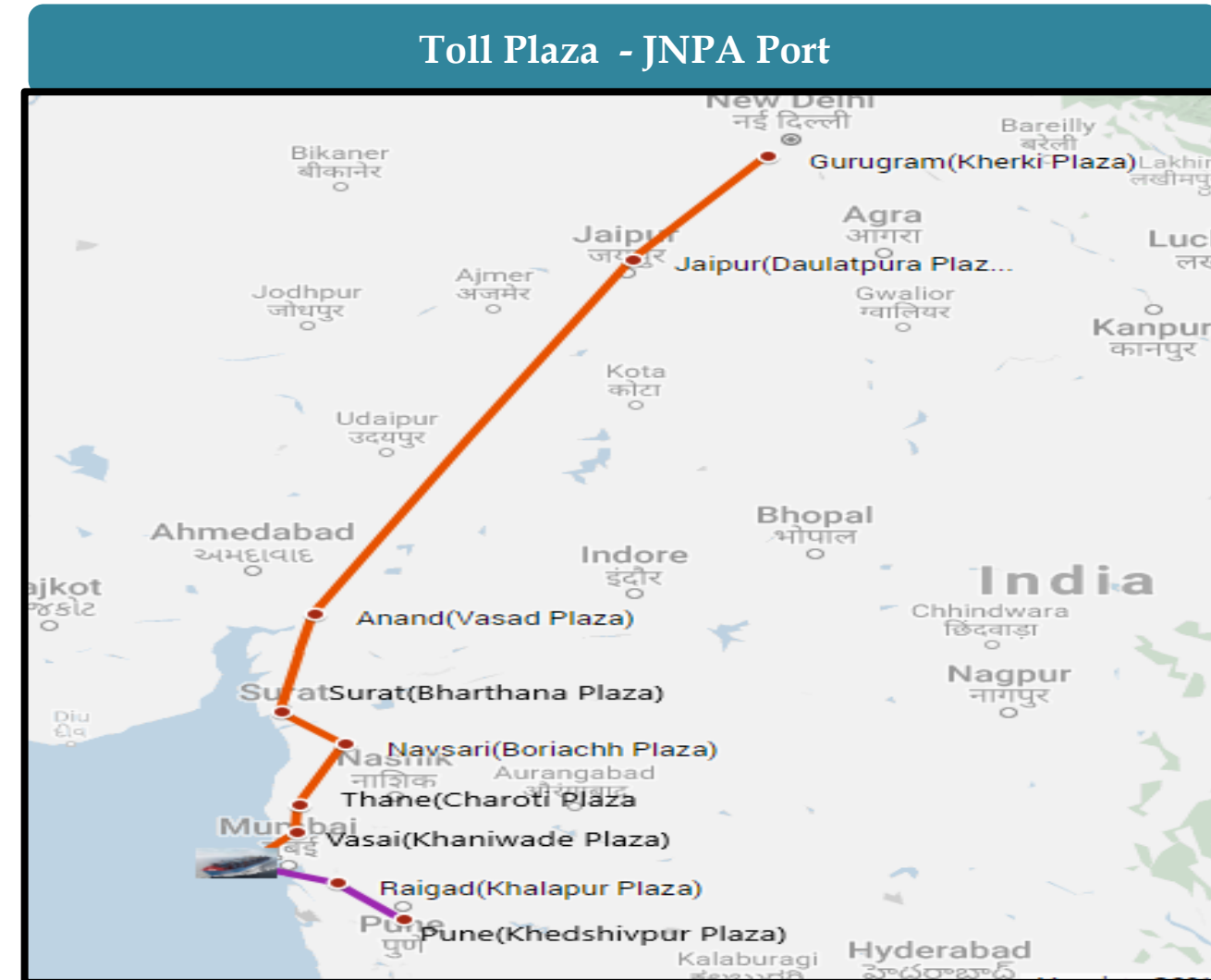
Export Cycle Analysis

JNPA Port Terminal: Dwell Time Performance (Export Cycle)

The below tables depict the port dwell time performance at JNPA ports (covered under LDB) for truck and train bound containers in export cycle via Truck and Train

PORT EXPORT via TRAIN
(20% of total export container volume)

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'23 (in hrs)	Jan'24 (in hrs)
NSFT	90.0	85.7
NSICT	24.7	9.7
GTI	102.3	79.5
NSIGT	94.9	106.3
BMCT	87.3	95.9

Container Handled: Day wise (Jan'24)

Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	1%	11%	22%	26%	19%	21%
NSICT	60%	8%	5%	8%	10%	10%
GTI	10%	17%	16%	16%	21%	21%
NSIGT	2%	10%	14%	17%	27%	29%
BMCT	4%	12%	20%	15%	19%	31%

PORT EXPORT via TRUCK
(80% of total export container volume)

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'23 (in hrs)	Jan'24 (in hrs)
NSFT	70.0	68.6
NSICT	60.0	56.0
GTI	70.1	62.6
NSIGT	75.4	72.6
BMCT	66.9	69.4

Container Handled: Day wise (Jan'24)

| Port Terminals	Within 0-24 hrs	Within 24-48 hrs	Within 48-72 hrs	Within 72-96 hrs	Within 96-144 hrs	More than 144 hrs
NSFT	8%	20%	26%	20%	21%	5%
NSICT	16%	27%	24%	20%	13%	1%
GTI	7%	26%	26%	20%	17%	4%
NSIGT	4%	20%	26%	21%	27%	2%
BMCT	6%	23%	24%	27%	17%	3%

JNPA Port Terminal: Dwell Time Performance (Import Cycle)

The below tables depict the detailed JNPA region port performance in the month of Jan'24

Port Dwell Time (in Hours) - Based on Transit Type				
Port Terminals	Direct Port Delivery (DPD) Containers	Containers bound for CFS	Empty Containers	Laden Containers
NSFT	70.0	65.8	69.0	75.0
NSICT	57.0	64.1	39.7	49.9
GTI	69.5	62.5	59.0	69.0
NSIGT	82.4	77.4	59.3	82.5
BMCT	-	66.0	67.3	78.5

JNPA Region: Congestion Analysis (Export Cycle)

The Below map indicate congestion around JNPA region in Export Cycle in month of Jan'24
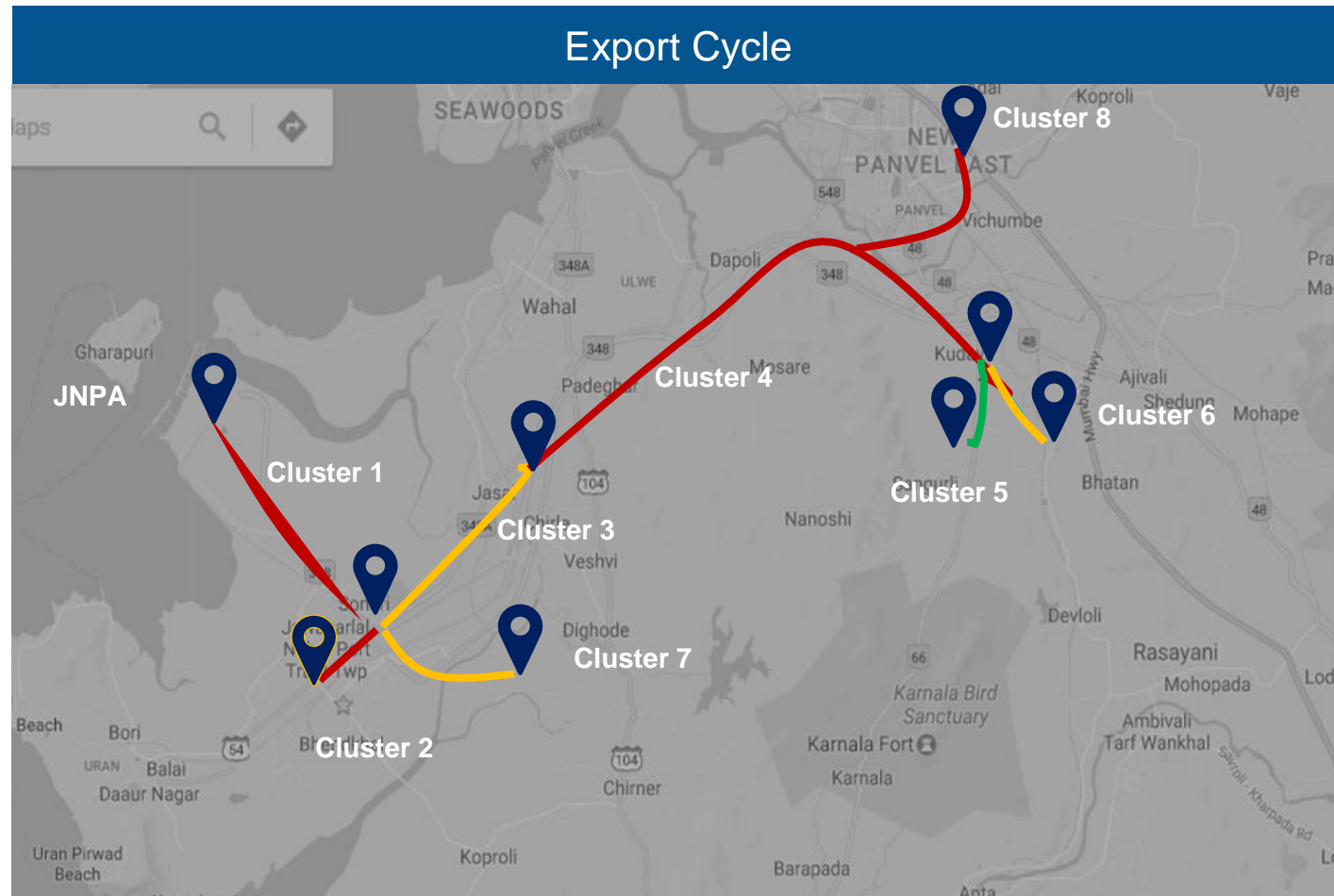
Serial	Cluster Name	Congestion
Cluster 1	JNPA area	High
Cluster 2	Bhendkhal area, khopate road	High
Cluster 3	Sonari area, JNPA road	Medium
Cluster 4	Chirle area, JNPA road	High
Cluster 5	Plaspa area, coach kanyakumari highway	Low
Cluster 6	Salva apta rd area, bangalore highway	Medium
Cluster 7	Patilpada area, khopate JNPA road	Medium
Cluster 8	Taloja, navi mumbai	High

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

GTI Terminal

Congestion Level
Export Cycle :-

NSFT 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

JNPA Port	
Route	**Percentage of Container Movement**
Vadodra Route	36%
Ratlam Route	31%
Wardha Route	9%
Kota Route	19%
Bhopal Route	6%

The map shows the volume wise container movement through different railway routes in export cycle for Jan'24

Container movement via Rail – Oct'23
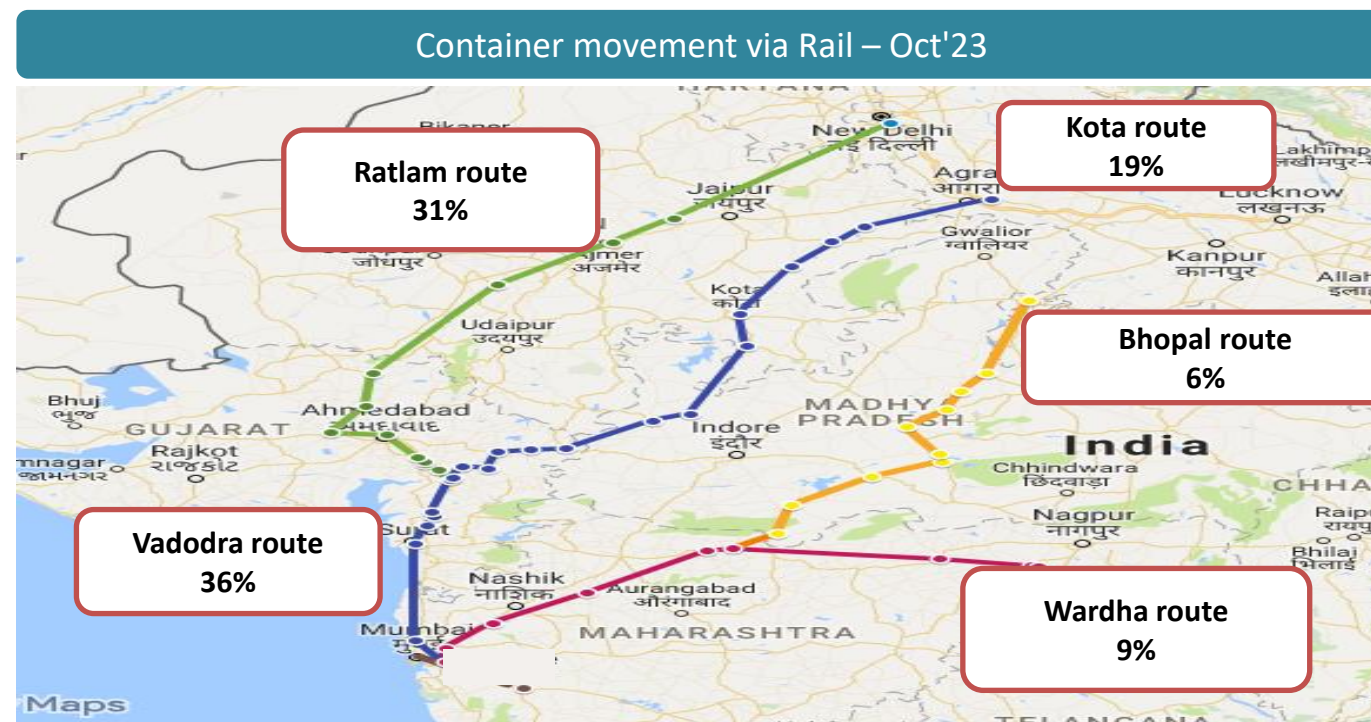
CFS and ICD Performance

JNPA region CFS : CFS DWELL TIME ANALYSIS
Below table and graphs show the dwell time of the respective CFSs for the month of Jan'24
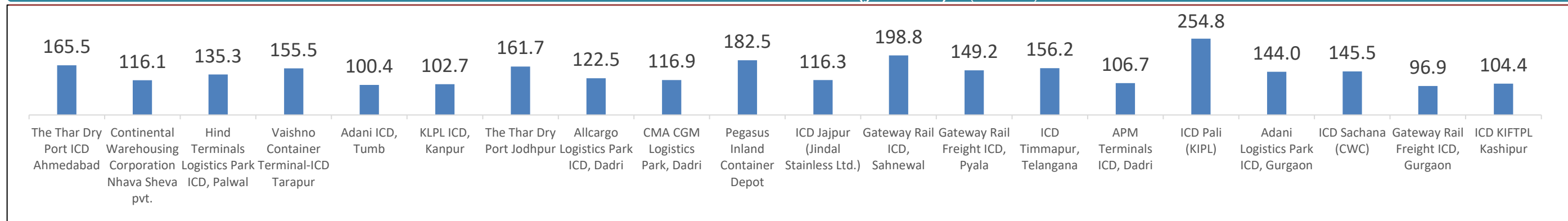
CFS Dwell Time (in hrs.)

CFS	Dec'23 (in hrs)	Jan'24 (in hrs)	CFS	Dec'23 (in hrs)	Jan'24 (in hrs)
Punjab Conware CFS, Navi Mumbai	97.8	100.2	Seabird CFS, Navi Mumbai	83.1	74.0
Speedy Multimode CFS, JNPT	87.0	99.9	Navkar Corporation Yard 2 CFS, Panvel	81.5	104.5
CWC Conex Terminal CFS	86.4	80.4	Ameya Logistics CFS, Navi Mumbai	82.5	86.8
JWC Logistics Park CFS	80.6	104.8	Vaishno Logistics CFS, Navi Mumbai	93.8	86.0
Sarveshwar CFS	97.6	87.7	TG Terminals CFS	79.7	73.3
EFC Logistics India	87.6	91.4	Navkar Corporation Yard 1 CFS, Panvel	96.0	115.2
JWR CFS	55.7	62.9	Dronagiri Rail Terminal CFS, Navi Mumbai	71.5	68.2
Apollo Logisolutions CFS, Panvel	78.8	77.0	APM (Maersk India) CFS, Navi Mumbai	91.8	92.2
Navkar Corporation Yard 3 CFS, Panvel	72.0	86.0	Gateway Distriparks CFS, Navi Mumbai	92.9	105.6
CWC Impex Park CFS, Navi Mumbai	76.9	87.9	CWC Polaris logistics park	19.5	17.4
Ashte Logistics CFS, Panvel	86.3	93.6	Kerry Indev Logistics Pvt Ltd CFS	59.2	107.7

CFS – DWELL OVERVIEW – JAN'24 (IN HRS)

ICD Performance
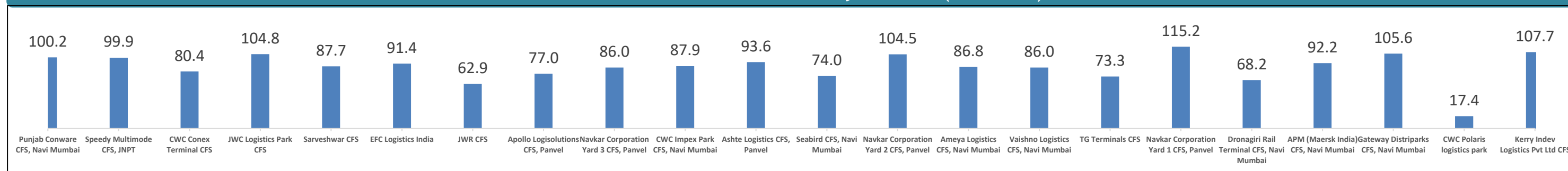
ICD	Dec'23 (in hrs)	Jan'24 (in hrs)
The Thar Dry Port ICD Ahmedabad	164.2	165.5
Continental Warehousing Corporation Nhava Sheva pvt.	101.2	116.1
Hind Terminals Logistics Park ICD, Palwal	155.4	135.3
Vaishno Container Terminal-ICD Tarapur	134.8	155.5
Adani ICD, Tumb	149.1	100.4
KLPL ICD, Kanpur	90.4	102.7
The Thar Dry Port Jodhpur	155.8	161.7
Allcargo Logistics Park ICD, Dadri	107.1	122.5
CMA CGM Logistics Park, Dadri	108.2	116.9
Pegasus Inland Container Depot	161.4	182.5
ICD Jajpur (Jindal Stainless Ltd.)	127.1	116.3
Gateway Rail ICD, Sahnewal	156.1	198.8
Gateway Rail Freight ICD, Pyala	139.3	149.2
ICD Timmapur, Telangana	156.9	156.2
APM Terminals ICD, Dadri	136.3	106.7
ICD Pali (KIPL)	167.7	254.8
Adani Logistics Park ICD, Gurgaon	137.8	144.0
ICD Sachana (CWC)	-	145.5
Gateway Rail Freight ICD, Gurgaon	116.4	96.9
ICD KIFTPL Kashipur	99.7	104.4

ICD – DWELL OVERVIEW (JAN'24) (In Hrs)

| ICD	Jan'24 (In Hrs)
The Thar Dry Port ICD Ahmedabad	165.5
Continental Warehousing Corporation Nhava Sheva pvt.	116.1
Hind Terminals Logistics Park ICD, Palwal	135.3
Vaishno Container Terminal-ICD Tarapur	155.5
Adani ICD, Tumb	100.4
KLPL ICD, Kanpur	102.7
The Thar Dry Port Jodhpur	161.7
Allcargo Logistics Park ICD, Dadri	122.5
CMA CGM Logistics Park, Dadri	116.9
Pegasus Inland Container Depot	182.5
ICD Jajpur (Jindal Stainless Ltd.)	116.3
Gateway Rail ICD, Sahnewal	198.8
Gateway Rail Freight ICD, Pyala	149.2
ICD Timmapur, Telangana	156.2
APM Terminals ICD, Dadri	106.7
ICD Pali (KIPL)	254.8
Adani Logistics Park ICD, Gurgaon	144.0
ICD Sachana (CWC)	145.5
Gateway Rail Freight ICD, Gurgaon	96.9
ICD KIFTPL Kashipur	104.4

Trend Analysis

Western Corridor Port – Yearly Analysis

Container Volume and Dwell time of all the terminals in JNPA and Mundra Port has been analysed until Jan'24
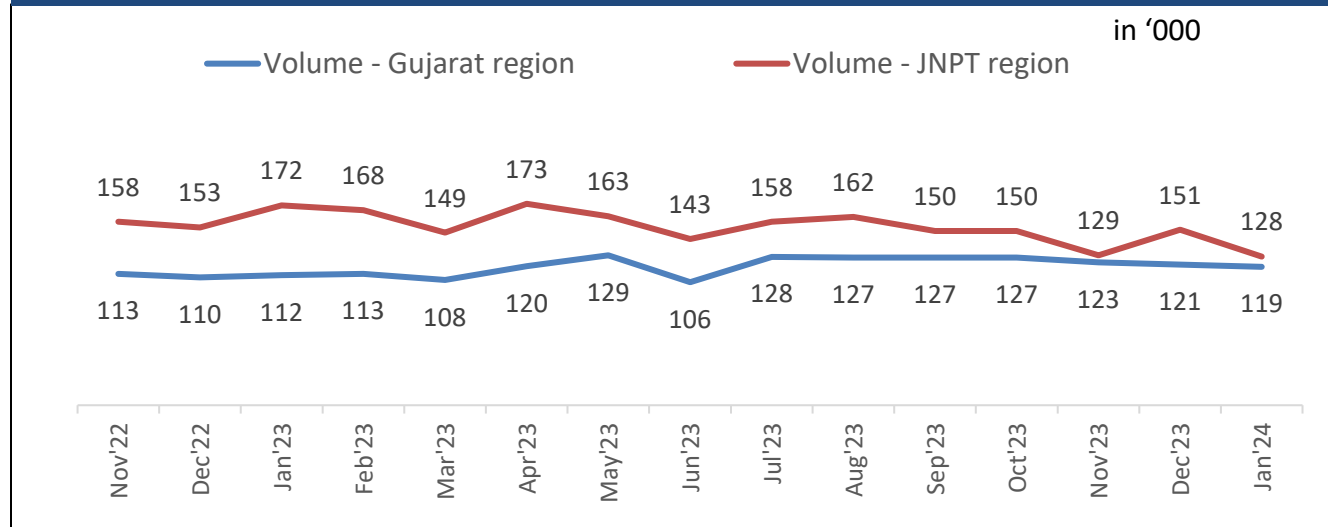

Dwell Time – Mundra Region Vs JNPA Region
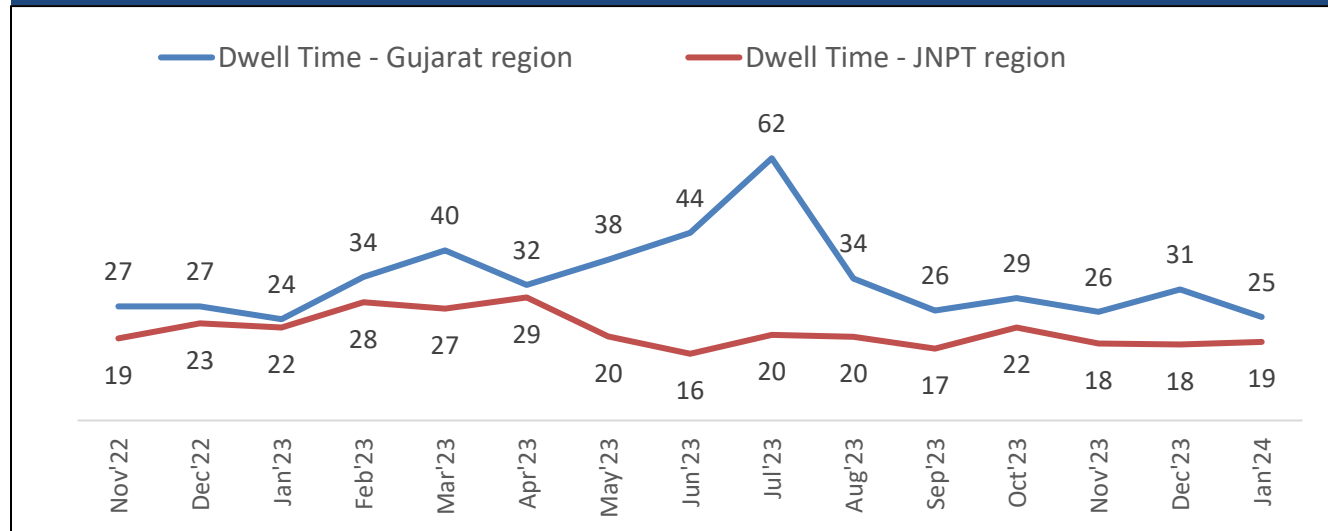
Dwell Time – Mundra Region Vs JNPA Region
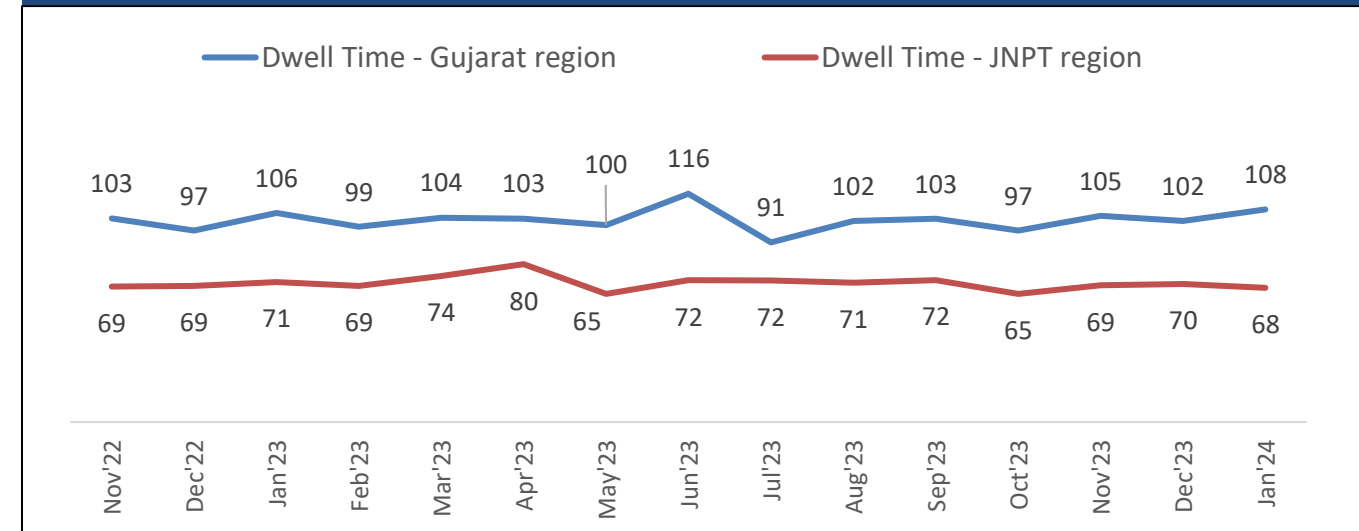
Volume – Mundra Region Vs JNPA Region

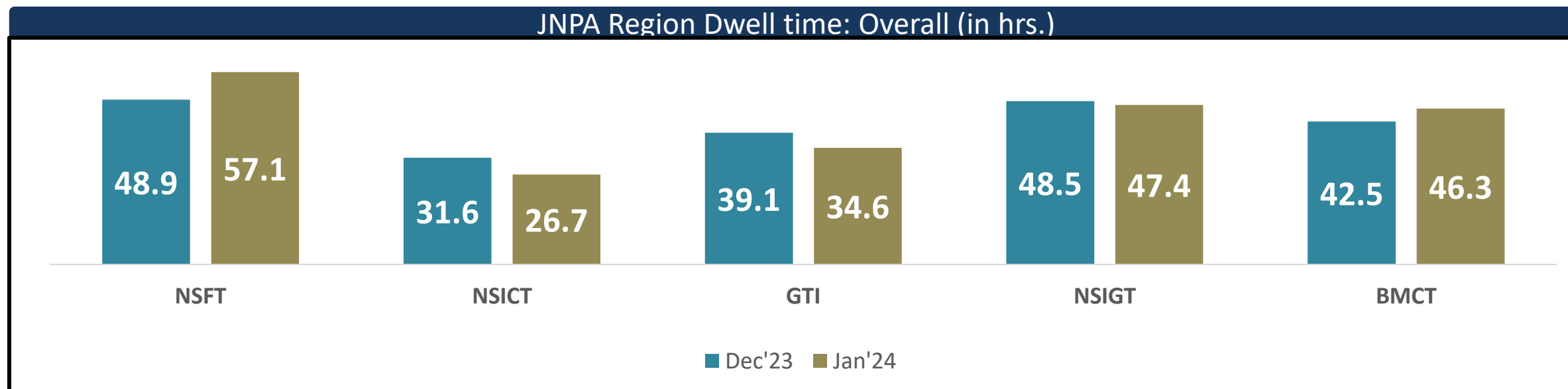**Volume** – Mundra Region Vs JNPA Region
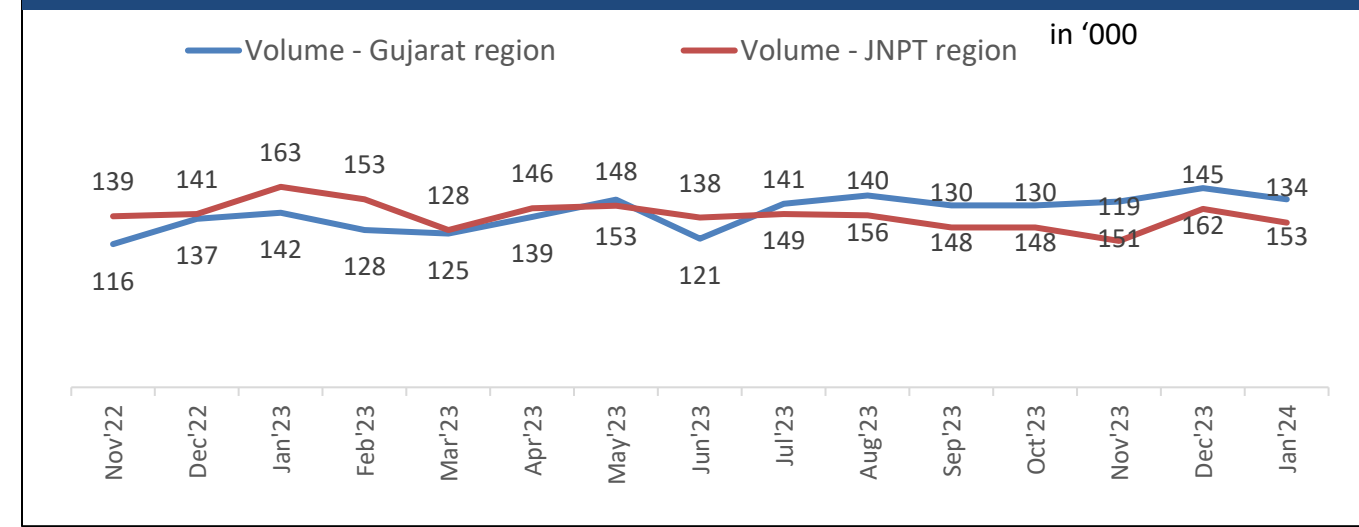
In Import cycle, for the month of Jan'24 Mundra port has catered 7.0% **less volume** than JNPA Port, and has performed with 32.0% **higher dwell time** than JNPA Port.

In Export cycle, for the month Jan'24 JNPA port catered 12.4**% lower volume** than Mundra Port, and has maintained 36.8% **lower dwell time** than Mundra Port

JNPA 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 JNPA 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

JNPA Region Dwell time: Overall (in hrs.)

	NSFT	NSICT	GTI	NSIGT	BMCT
Dec'23	48.9	31.6	39.1	48.5	42.5
Jan'24	57.1	26.7	34.6	47.4	46.3

The overall JNPA region average dwell time for Jan'24 is **41.0** hrs.

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of Jan'24

JNPA Import cycle Trend

The average import cycle dwell time of JNPA region port terminals for Jan'24 is **18.6 hrs.**

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

	NSFT	NSICT	GTI	NSIGT	BMCT
Dec'23	20.5	19.4	15.0	19.9	20.2
Jan'24	16.0	17.4	14.3	24.0	22.2
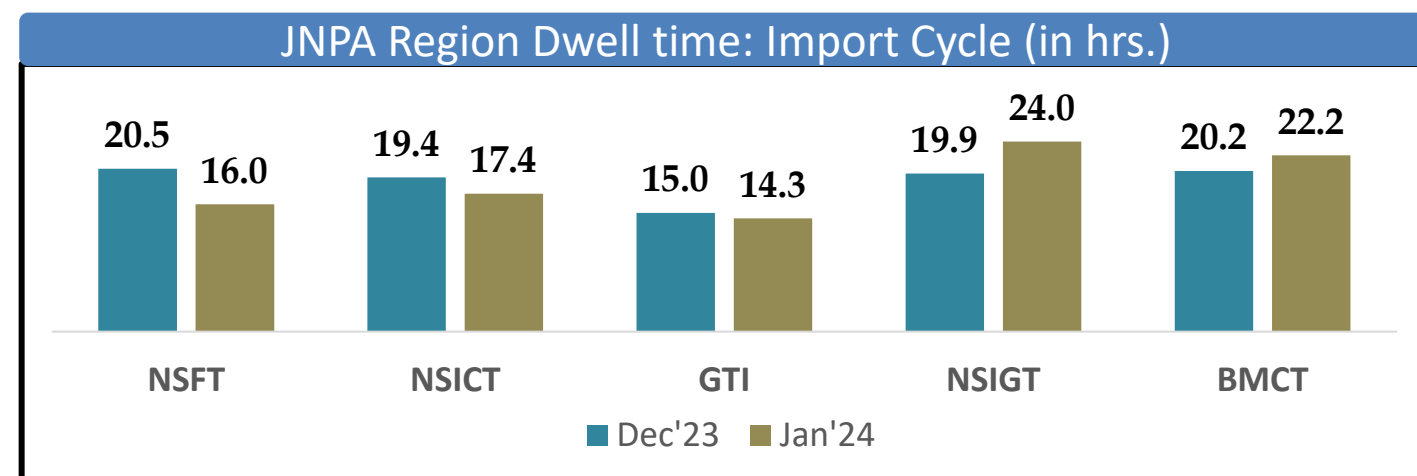
JNPA Export cycle Trend

The average export cycle dwell time of JNPA region port terminals for Jan'24 is **68.1 hrs.**

JNPA Region Dwell time: Export Cycle (in hrs.)

	NSFT	NSICT	GTI	NSIGT	BMCT
Dec'23	73.3	54.5	73.4	77.4	69.5
Jan'23	71.9	46.3	64.6	77.6	72.6

© NICDC Logistics Data Services Limited

ANNEXURE

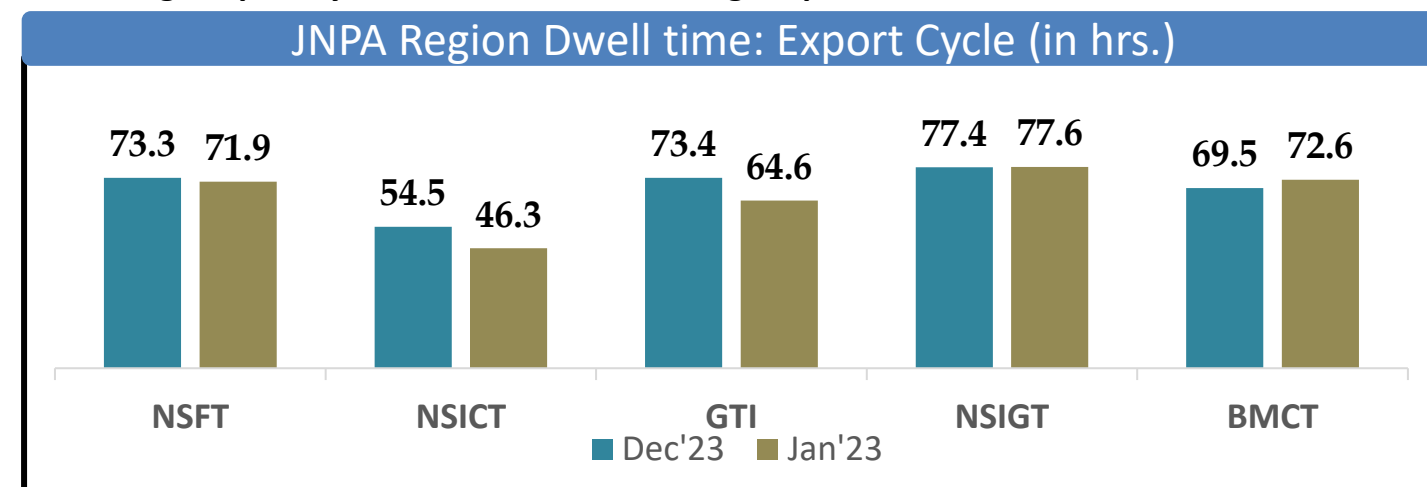# Container movement around JNPA Port terminal region via Truck

HEAT MAP : GTI Port Terminal
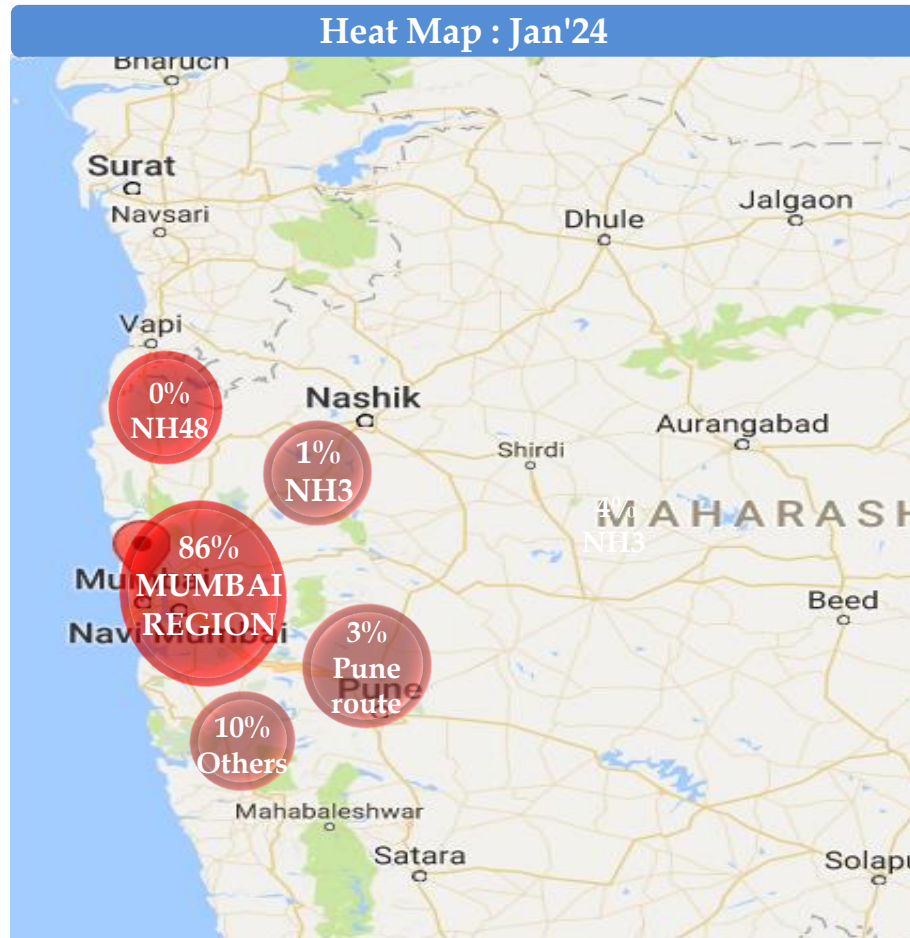
Region	Dec'23	Jan'24
Mumbai region	87%	86%
NH3	1%	1%
Pune	2%	3%
NH48	0%	0%
others	10%	10%

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

HEAT MAP : NSFT Port Terminal
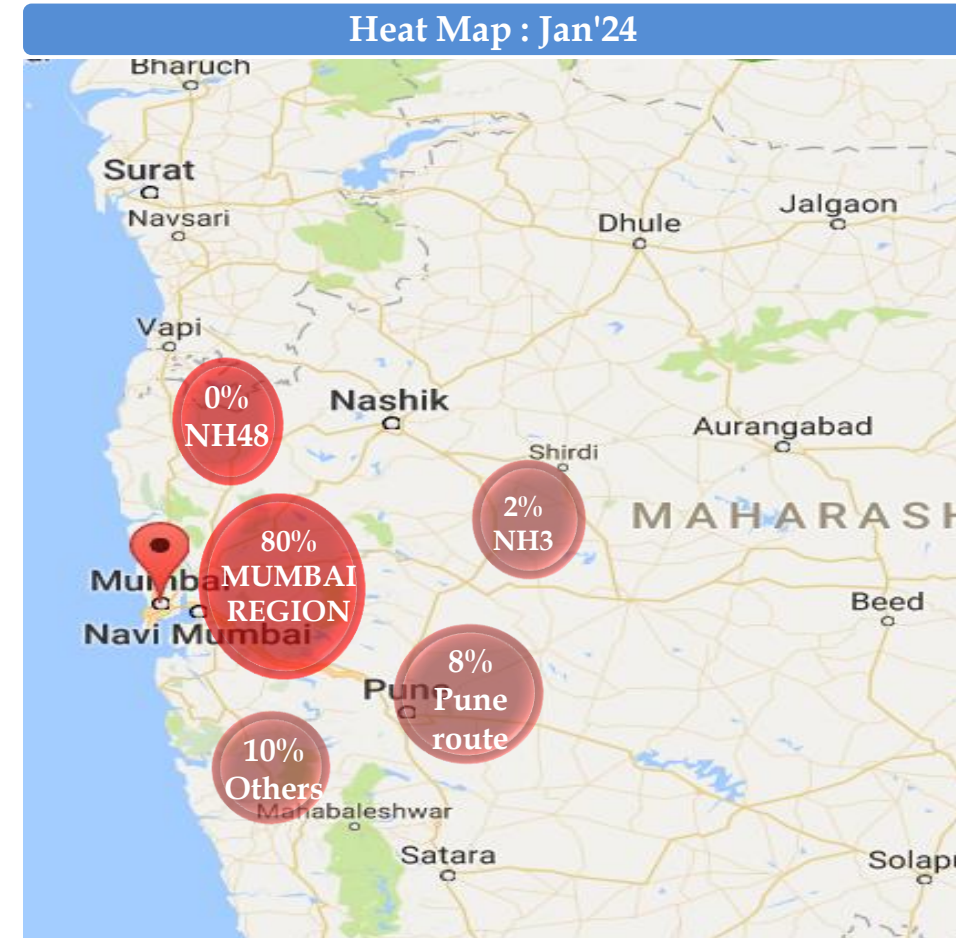
Region	Dec'23	Jan'24
Mumbai region	87%	80%
NH3	1%	2%
Pune	2%	8%
NH48	0%	0%
others	10%	10%

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

Container movement around JNPA Port terminal region via Truck

HEAT MAP : NSIGT Port Terminal

Heat Map : Jan'24

Region	Dec'23	Jan'24
Mumbai region	87%	86%
NH3	1%	1%
Pune	2%	3%
NH48	0%	0%
others	10%	10%

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

HEAT MAP : NSICT Port Terminal
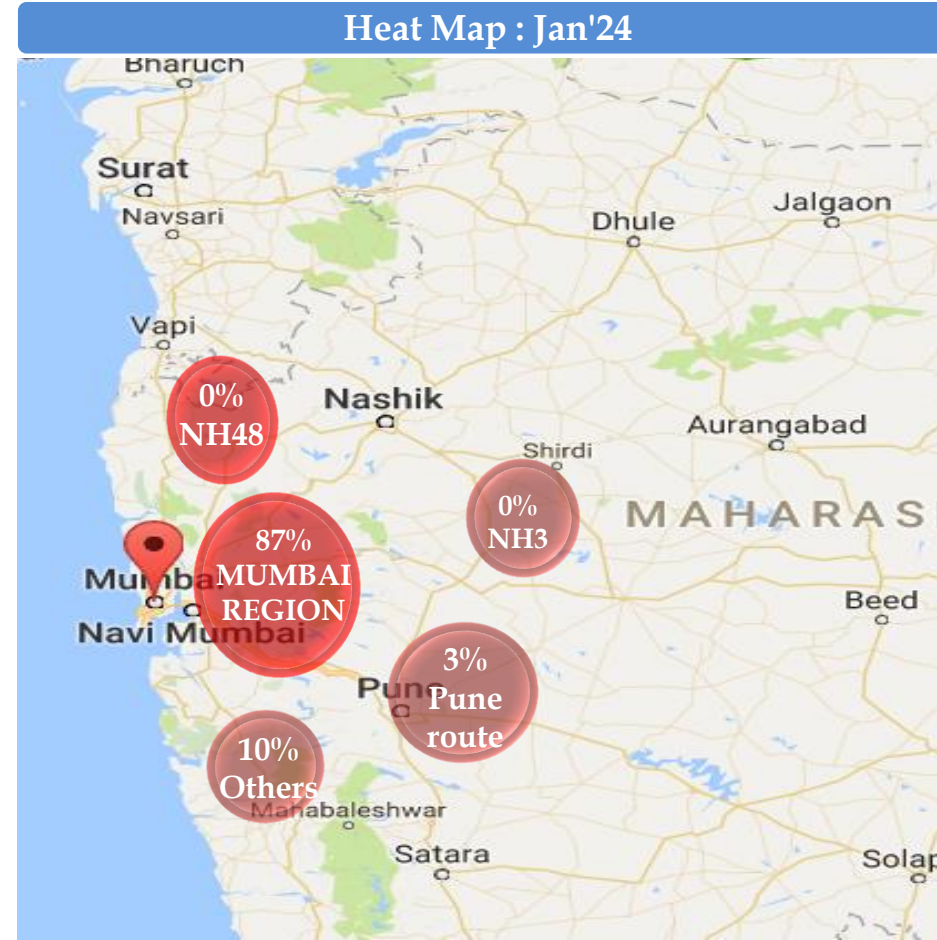
Heat Map : Jan'24

Region	Dec'23	Jan'24
Mumbai region	87%	87%
NH3	0%	0%
Pune	2%	3%
NH48	0%	0%
others	10%	10%

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

HEAT MAP : BMCT Port Terminal
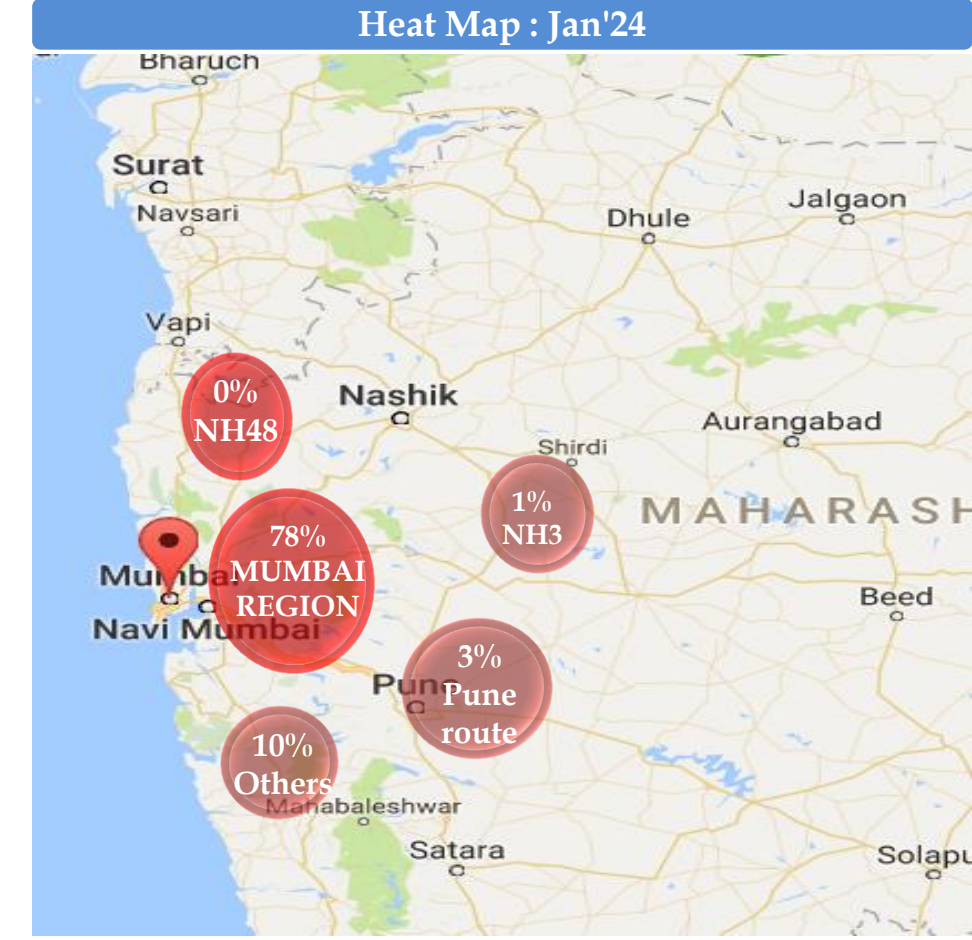
Heat Map : Jan'24
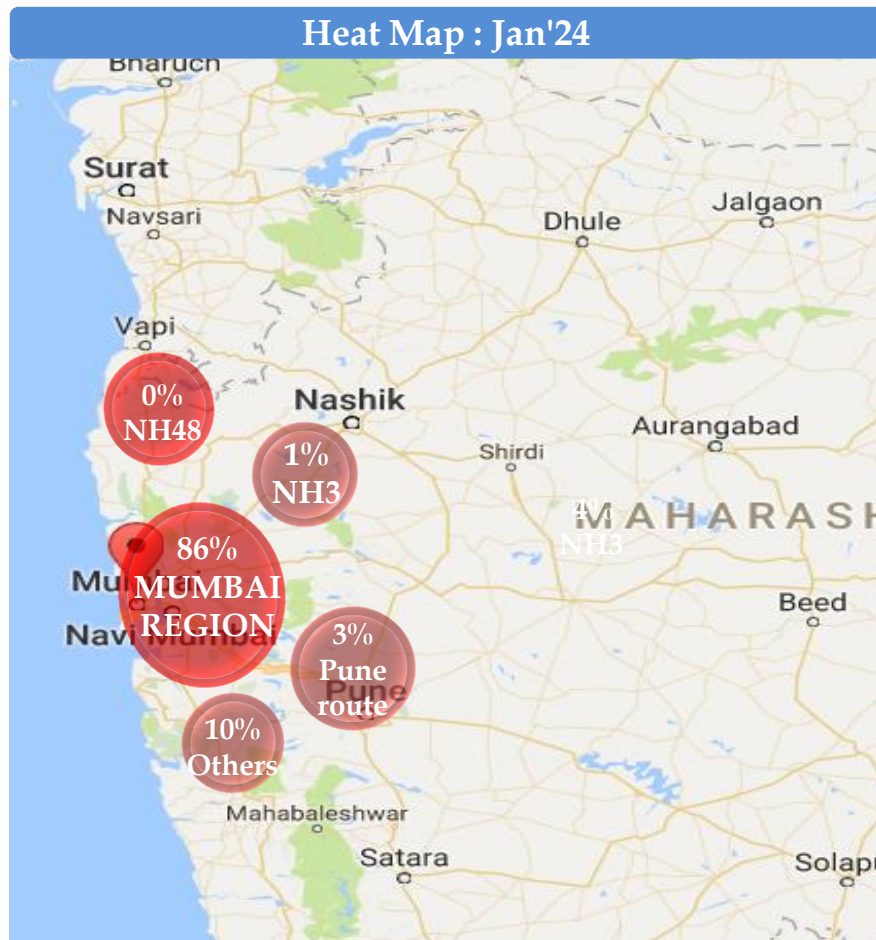
Region	Dec'23	Jan'24
Mumbai region	88%	87%
NH3	0%	1%
Pune	1%	3%
NH48	0%	0%
others	10%	10%

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

CFS Delivery Time Analysis – All CFS in Mumbai to JNPA Port

Below table shows the delivery time in export cycle from the CFS's to PORT terminals

CFS Out – Port In (Export Cycle) – Jan'24 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	-	2.4	5.3	3.0	4.2
Punjab Conware CFS, Navi Mumbai	1.2	2.4	4.6	3.8	5.8
JWC Logistics Park CFS	-	2.6	5.7	3.9	7.1
Dronagiri Rail Terminal CFS, Navi Mumbai	1.5	2.0	1.8	3.0	5.0
Navkar Corporation Yard 2 CFS, Panvel	1.6	2.4	5.0	5.0	7.8
Vaishno Logistics CFS, Navi Mumbai	2.6	3.4	5.9	4.6	6.2
Speedy Multimode CFS, JNPT	1.5	2.0	2.8	3.8	4.8
Balmer & Lawrie CFS, Navi Mumbai	-	1.9	6.8	8.2	5.4
Navkar Corporation Yard 3 CFS, Panvel	-	3.2	2.2	1.9	4.5
Ashte Logistics CFS, Panvel	2.5	6.2	6.2	3.9	7.2
Continental Warehousing CFS, Navi Mumbai	-	3.3	2.2	2.2	6.3
SBW Logistics CFS, Navi Mumbai	-	5.6	13.2	-	11.2
International Cargo Terminal CFS	-	-	6.1	4.3	3.5
Seabird CFS, Navi Mumbai	2.3	10.5	2.0	3.9	4.7
Apollo Logisolutions CFS, Panvel	4.9	4.5	3.6	2.4	6.6
Ameya Logistics CFS, Navi Mumbai	2.4	2.7	3.5	3.4	6.8
AllCargo Logistics	-	2.9	2.4	4.0	4.1
Ocean Gate CFS, Panvel	-	1.9	1.8	2.1	4.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	40.4	17.8	2.4	-
Kerry Indev Logistics Pvt Ltd CFS	-	3.6	5.2	2.6	7.0
APM (Maersk India) CFS, Navi Mumbai	4.3	1.6	6.3	4.9	5.6

CFS Delivery Time Analysis – JNPA Terminals to CFS

Below table shows the delivery time in import cycle from the PORT terminals to CFS's

Port Out – CFS In (Import Cycle) – Jan'24 (in hrs)

CFS	NSFT	GTI	NSICT	NSIGT	BMCT
Gateway Distriparks CFS, Navi Mumbai	1.9	2.2	2.1	1.9	1.8
APM (Maersk India) CFS, Navi Mumbai	1.7	1.6	1.6	3.3	1.9
International Cargo Terminal CFS	3.2	2.9	2.0	3.0	2.1
Ameya Logistics CFS, Navi Mumbai	2.3	2.5	2.2	2.0	2.1
AllCargo Logistics	3.0	3.9	4.3	2.9	2.9
Kerry Indev Logistics Pvt Ltd CFS	5.2	3.7	3.2	3.3	4.4
Navkar Corporation Yard 3 CFS, Panvel	2.6	2.6	2.8	2.9	2.7
Seabird CFS, Navi Mumbai	2.7	4.0	3.4	4.4	3.1
Balmer & Lawrie CFS, Navi Mumbai	1.7	2.0	1.7	1.9	1.8
Ashte Logistics CFS, Panvel	2.5	7.2	2.1	3.1	2.3
Continental Warehousing CFS, Navi Mumbai	2.0	1.8	1.6	1.5	1.5
Dronagiri Rail Terminal CFS, Navi Mumbai	2.4	4.6	13.5	7.3	1.7
Navkar Corporation Yard 1 CFS, Panvel	2.0	3.0	2.7	2.6	3.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.1	2.1	2.0	1.8	1.8
Maersk Annex (APM)CFS, Navi Mumbai	-	2.3	2.6	-	-
Speedy Multimode CFS, JNPT	1.3	1.6	1.5	1.7	1.5
Apollo Logisolutions CFS, Panvel	2.9	3.0	3.5	3.1	3.0
Navkar Corporation Yard 2 CFS, Panvel	2.2	2.8	2.9	2.4	2.7
Punjab Conware CFS, Navi Mumbai	2.6	2.2	2.0	1.9	1.7
Vaishno Logistics CFS, Navi Mumbai	2.5	2.7	2.4	3.3	1.6
JWC Logistics Park CFS	2.3	2.2	2.0	2.0	2.0
SBW Logistics CFS, Navi Mumbai	5.0	3.5	4.4	3.8	3.5
Ocean Gate CFS, Panvel	2.3	2.7	2.9	2.4	2.4
Maharashtra State Corp CFS	1.9	2.7	2.6	2.4	1.7

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 NSFT terminal

CFS Cluster : GTI Terminal

GTI terminal for month of Jan'24				
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	2.0
Cluster 2	6	13	2.1	-
Cluster 3	6	11	3.3	-
Cluster 4	1	13	2.7	3.4
Cluster 5	2	25	2.4	2.2
Cluster 6	6	25	3.0	3.6
Cluster 7	4	12	2.5	2.9
Cluster 8	1	34	3.5	5.6

CFS Cluster : NSFT Terminal

NSFT terminal for month of Jan'24				
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	1.3	1.5
Cluster 2	6	13	-	-
Cluster 3	6	11	2.5	-
Cluster 4	1	13	2.5	2.6
Cluster 5	2	25	2.3	-
Cluster 6	6	25	2.6	-
Cluster 7	4	12	2.3	-
Cluster 8	1	34	5.0	-

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 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

NSICT terminal for month of Jan'24			
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	1.5	2.8
Cluster 2	6	13	2.0	6.3
Cluster 3	6	11	3.0	-
Cluster 4	1	13	2.4	5.9
Cluster 5	2	25	2.5	3.7
Cluster 6	6	25	2.9	5.0
Cluster 7	4	12	2.2	2.4
Cluster 8	1	34	4.4	13.2

CFS Cluster : NSIGT Terminal

NSIGT terminal for month of Jan'24			
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	3.8
Cluster 2	6	13	-	4.3
Cluster 3	6	11	2.0	-
Cluster 4	1	13	3.3	4.6
Cluster 5	2	25	2.2	3.0
Cluster 6	6	25	3.0	2.6
Cluster 7	4	12	2.0	3.4
Cluster 8	1	34	3.8	-

CFS Cluster : BMCT Terminal

BMCT terminal for month of Jan'24			
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	1.5	4.8
Cluster 2	6	13	-	-
Cluster 3	6	11	2.0	-
Cluster 4	1	13	1.6	6.2
Cluster 5	2	25	2.2	5.9
Cluster 6	6	25	2.8	7.0
Cluster 7	4	12	2.1	6.3
Cluster 8	1	34	3.5	11.2

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**

JNPA Region : Destination-wise Dwell Time – Import

The below tables depict the Port Dwell Time Performance at JNPA Port for Train bound containers in Import Cycle based on the next destination city:

Destination-wise Dwell Time (in hrs) – Train

City	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
Agra	98.6	70.3	39.9	39.9	-	85.1
Ankaleshwar	78.9	96.4	15.1	15.1	-	83.7
Boisar	101.0	-	160.5	160.5	157.1	147.8
Dadri	35.7	-	61.9	61.9	41.1	37.9
Daulatabad	47.2	36.0	48.6	48.6	108.8	45.8
Faridabad	120.0	81.5	196.4	196.4	192.7	87.2
Guhati	163.3	117.0	159.1	159.1	162.7	128.3
Indore	62.0	-	44.1	44.1	90.6	51.7
Jaipur	181.8	27.4	38.8	38.8	62.2	40.8
Kanpur	43.6	50.4	47.1	47.1	57.5	48.0
Khodiyar	82.2	33.4	33.0	33.0	27.8	51.4
Khopate	16.2	46.7	-	-	-	16.2
Ludhiana	33.8	33.0	30.5	30.5	-	33.2
Malanpur	105.2	35.7	69.0	69.0	28.2	39.6
Mandideep	75.9	-	28.4	28.4	42.9	34.8
Moradabad	63.7	29.1	39.9	39.9	46.3	34.9
Nagpur	42.0	68.3	24.1	24.1	18.8	34.8
Navi Mumbai	14.7	14.4	14.6	14.6	11.8	14.2
Pantnagar	-	-	43.8	43.8	-	43.8
Patparganj	48.6	46.3	-	-	-	48.6
Sanatnagar	40.4	-	26.3	26.3	-	33.9
Thimmapur	47.6	-	88.2	88.2	188.2	83.5
Tughlakabad	47.4	-	34.2	34.2	55.1	45.4

JNPA Region : Destination-wise Dwell Time – Import

The below tables depict the Port Dwell Time Performance at JNPA Port for Truck bound containers in Import Cycle based on the next destination CFS:
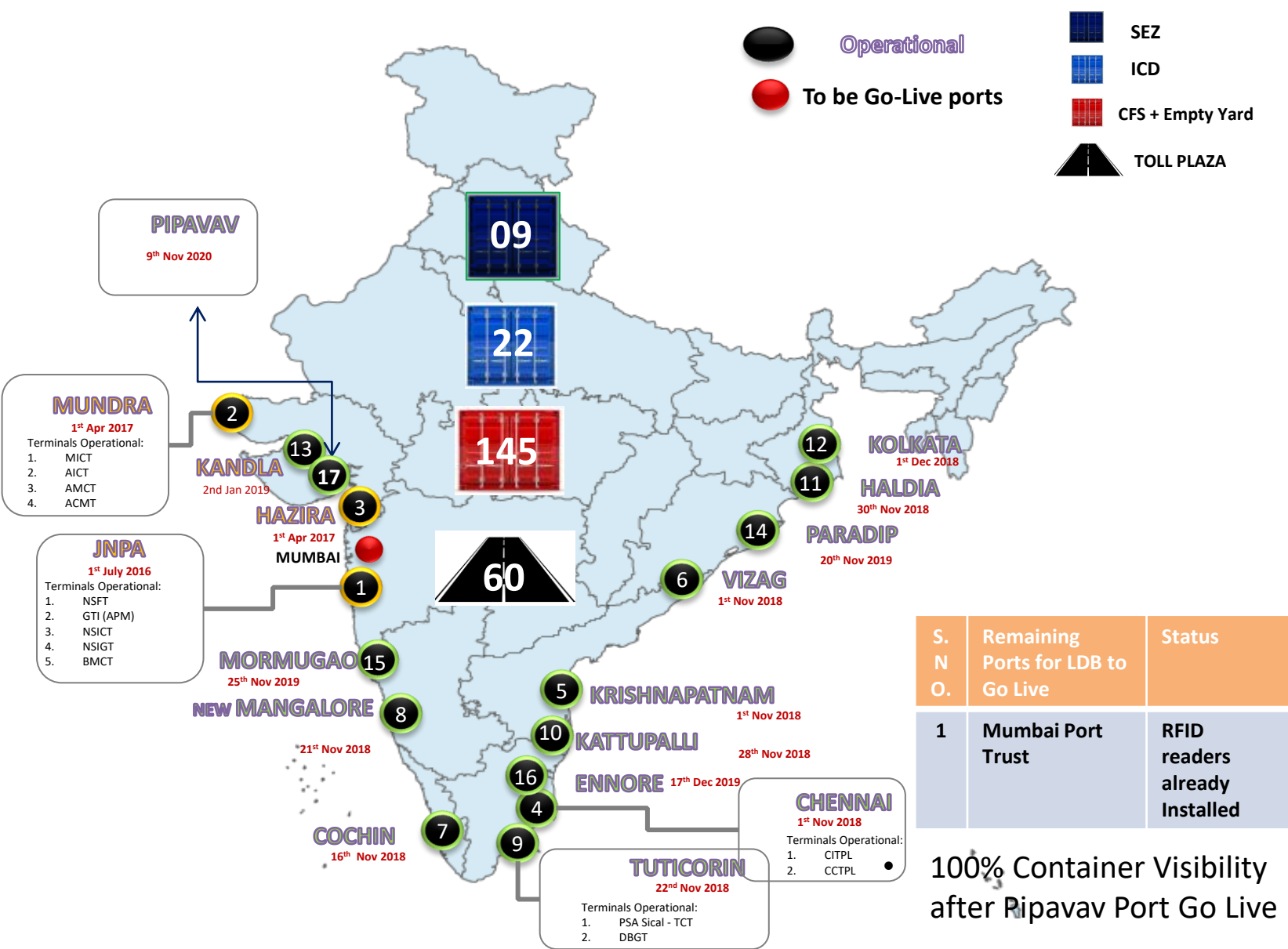
Destination-wise Dwell Time (in hrs) – Truck

CFS	BMCT	GTI	NSFT	NSIGT	NSICT	Overall
AllCargo Logistics	19.2	-	19.8	19.8	9.6	17.4
Ameya Logistics CFS, Navi Mumbai	16.2	56.4	15.4	15.4	13.5	15.8
APM (Maersk India) CFS, Navi Mumbai	25.9	11.3	11.6	11.6	27.3	22.7
Apollo Logisolutions CFS, Panvel	23.2	11.5	25.2	25.2	18.8	17.5
Ashte Logistics CFS, Panvel	14.5	10.0	21.1	21.1	11.2	12.7
Balmer & Lawrie CFS, Navi Mumbai	16.6	13.5	13.2	13.2	9.8	13.7
Continental Warehousing CFS, Navi Mumbai	14.2	10.1	12.3	12.3	16.5	11.4
CWC Impex Park	18.5	14.4	23.1	23.1	17.8	16.4
Dronagiri Rail Terminal CFS, Navi Mumbai	22.5	14.4	17.3	17.3	-	18.2
EFC Logistics	19.1	14.3	23.0	23.0	17.7	17.3
Gateway Distriparks CFS, Navi Mumbai	19.2	12.7	16.5	16.5	14.5	15.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	-	-	15.3	15.3	10.2	12.8
JWC Logistics Park CFS	14.6	11.5	16.4	16.4	10.1	12.8
Kerry Indev Logistics Pvt Ltd CFS	22.1	15.8	39.6	39.6	16.7	19.7
Maharashtra State Corp CFS	19.0	11.7	23.4	23.4	19.0	20.9
Navkar Corporation	18.3	11.2	17.0	17.0	13.7	14.4
Ocean Gate CFS, Panvel	17.3	11.6	16.0	16.0	13.6	15.2
Sarveshwar Logistics	14.3	9.5	20.9	20.9	11.9	11.8
SBW Logistics CFS, Navi Mumbai	39.7	-	66.4	66.4	-	50.2
Seabird CFS, Navi Mumbai	26.1	0.2	28.2	28.2	19.5	25.0
Speedy Multimode CFS, JNPT	17.5	-	17.7	17.7	11.3	16.2
Take Care Logistics	14.8	12.2	14.3	14.3	10.3	13.3
TG Terminals	23.6	-	19.7	19.7	16.7	21.5
Vaishno Logistics CFS, Navi Mumbai	24.2	17.0	20.2	20.2	28.9	22.5

LDB Operations Snapshot

Legend:
- Operational (black)
- To be Go-Live ports (red)
- SEZ
- ICD
- CFS + Empty Yard
- TOLL PLAZA

Map markers:
- PIPAVAV — 9th Nov 2020
- MUNDRA — 1st Apr 2017 — Terminals Operational: 1. MICT 2. AICT 3. AMCT 4. ACMT
- KANDLA — 2nd Jan 2019
- HAZIRA — 1st Apr 2017
- MUMBAI
- JNPA — 1st July 2016 — Terminals Operational: 1. NSFT 2. GTI (APM) 3. NSICT 4. NSIGT 5. BMCT
- MORMUGAO — 25th Nov 2019
- NEW MANGALORE — 21st Nov 2018
- COCHIN — 16th Nov 2018
- KOLKATA — 1st Dec 2018
- HALDIA — 30th Nov 2018
- PARADIP — 20th Nov 2019
- VIZAG — 1st Nov 2018
- KRISHNAPATNAM — 1st Nov 2018
- KATTUPALLI — 28th Nov 2018
- ENNORE — 17th Dec 2019
- CHENNAI — 1st Nov 2018 — Terminals Operational: 1. CITPL 2. CCTPL
- TUTICORIN — 22nd Nov 2018 — Terminals Operational: 1. PSA Sical - TCT 2. DBGT

SEZ values: 09, 22, 145, 60

S.N.O.	Remaining Ports for LDB to Go Live	Status
1	Mumbai Port Trust	RFID readers already Installed

- 100% Container Visibility after Pipavav Port Go Live

- More than about 42 million EXIM containers covered till date.(2021.11.28)

Below mentioned are all the CFS in the respective Clusters :

Cluster 1
(JNPA Area)

- Speedy Multimode CFS,JNPA

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,JNPA 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 , JNPA 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 JNPA 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

List of CFS name used in CFS Performance Index

1	Adani CFS Eximyard, Mundra		19	Ashte Logistics CFS, Panvel
2	Saurashtra CFS, Mundra		20	Seabird CFS, Navi Mumbai
3	Punjab Conware CFS, Navi Mumbai		21	AllCargo CFS, Mundra
4	TG Terminals CFS, Mundra		22	Navkar Corporation Yard 2 CFS, Panvel
5	Honey Comb CFS, Mundra		23	Landmark CFS, Mundra
6	Speedy Multimode CFS, JNPT		24	Ameya Logistics CFS, Navi Mumbai
7	CWC Conex Terminal CFS		25	Vaishno Logistics CFS, Navi Mumbai
8	CWC CFS, Mundra		26	TG Terminals CFS
9	JWC Logistics Park CFS		27	Rishi CFS, Mundra
10	Seabird CFS, Mundra		28	Navkar Corporation Yard 1 CFS, Panvel
11	Sarveshwar CFS		29	Dronagiri Rail Terminal CFS, Navi Mumbai
12	MICT CFS, Mundra		30	APM (Maersk India) CFS, Navi Mumbai
13	EFC Logistics India		31	Gateway Distriparks CFS, Navi Mumbai
14	JWR CFS		32	Adani CFS, Hazira
15	Apollo Logisolutions CFS, Panvel		33	CWC Polaris logistics park
16	Navkar Corporation Yard 3 CFS, Panvel		34	Contrans Logistic CFS, Pipavav
17	CWC Impex Park CFS, Navi Mumbai		35	Kerry Indev Logistics Pvt Ltd CFS
18	LCL Logistics CFS, Pipavav		36	Hind Terminal CFS, Hazira

THANK YOU