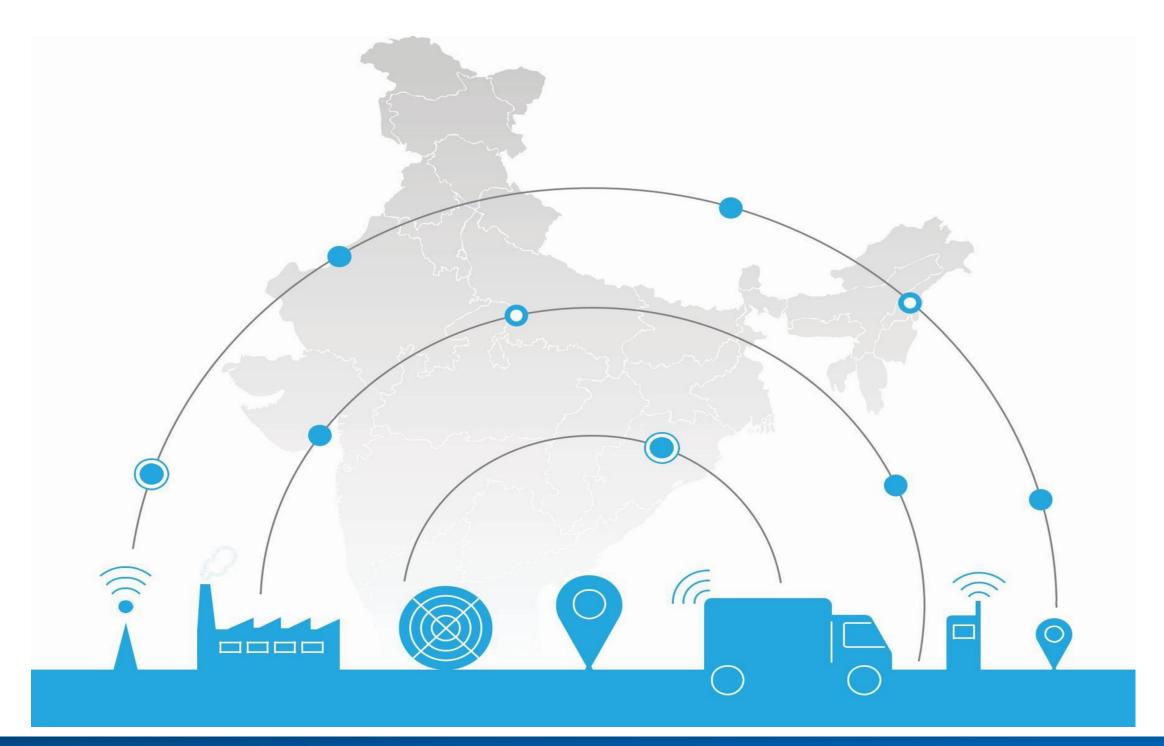
Logistics Databank Analytics Report- JNPT - March'2021







<u>Terminal wise Dwell Time Performance - Snapshot</u>

Import Cycle			
Port	Feb'21 (in hrs)	Mar'21 (in hrs)	
JNPCT	32.32	36.22	
NSICT	25.93	21.72	
GTI	19.87	18.07	
NSIGT	21.92	21.38	
BMCT/PSA	21.20	21.45	

Export Cycle			
Port	Feb'21 (in hrs)	Mar'21 (in hrs)	
JNPCT	79.48	76.64	
NSICT	63.05	64.30	
GTI	75.28	72.17	
NSIGT	93.27	86.80	
BMCT/PSA	77.20	73.53	

Critical Incident Summary

Jawaharlal Nehru Port Terminals

- Container handling performance in both Import cycle & Export cycle has improved as compared to last month.
- Container handling performance at CFS and ICD has also improved as compared to last month.

Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time	ICD
March'21	21.6 hrs	74.2 hrs	88.0 hrs	125.9 hrs
February'21	23.1 hrs	77.2 hrs	90.4 hrs	129.4 hrs

Container Transportation Performance - Western Corridor



Port Dwell Time

IMPORT

Mode	Feb'21 (in hrs)	Mar'21 (in hrs)
Overall	23.2	22.6
Truck	21.3	21.0
Train	35.2	42.7

	\simeq
١	ب
	ᅀ
	×
	a

Mode	Feb'21 (in hrs)	Mar'21 (in hrs)
Overall	99.0	98.1
Truck	96.3	95.2
Train	108.9	115.8

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





Entity	Feb'21 (in hrs)	Mar'21 (in hrs)
CFS	91.8	88.4
ICD	129.4	125.9

The marked entries showcase increase in performance in comparison to Feb'21

The marked entries showcase decrease in performance in comparison to Feb'21

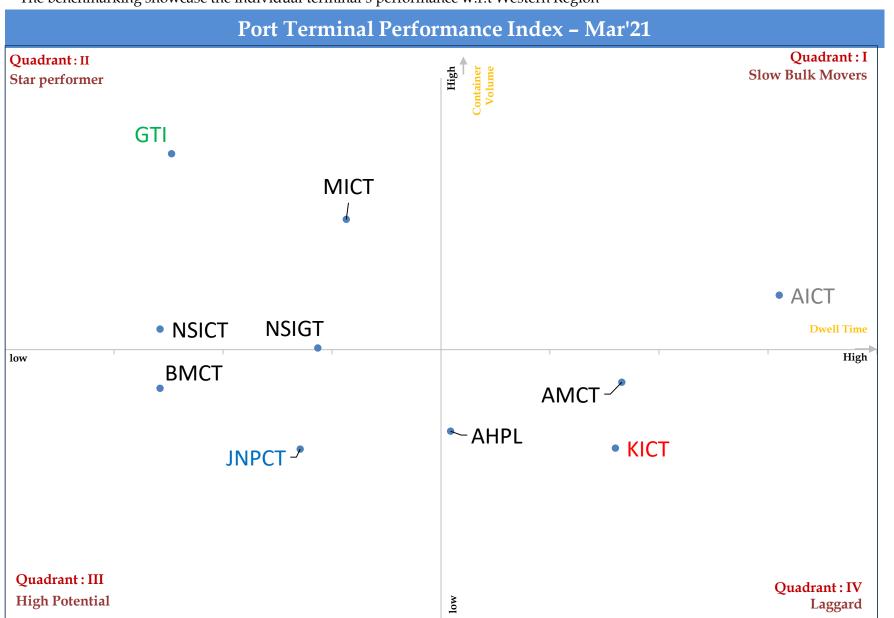
Port Performance Benchmarking & Performance Index - Western Corridor

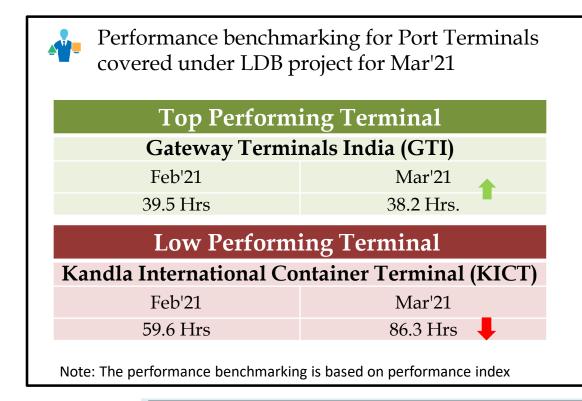




Performance Benchmarking - Port Terminals

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







The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Feb'21

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

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

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

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

Container Transportation- JNPT Port Terminals



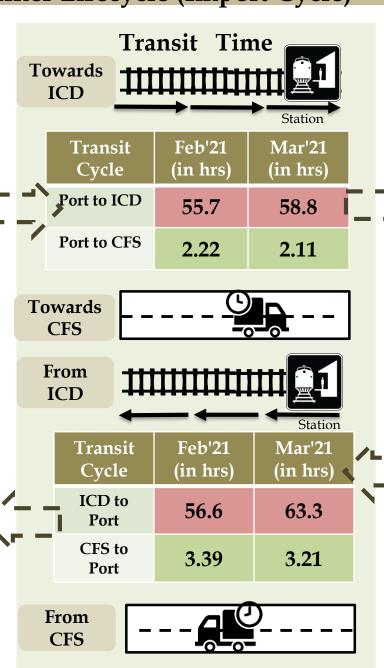
Container Lifecycle (Import Cycle)



Mode	Feb'21 (in hrs)	Mar'21 (in hrs)
Overall	23.1	21.6
Truck	21.6	19.8
Train	32.1	36.9



Mode	Feb'21 (in hrs)	Mar'21 (in hrs)
Overall	77.2	74.2
Truck	77.8	75.2
Train	71.6	64.3



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





ICD



Entity	Feb'21 (in hrs)	Mar'21 (in hrs)
CFS	90.4	88.0
ICD	129.4	125.9

Volume distribution at port terminal – Truck/Rail





	Truck	Rail
mport	82%	18%
Export	79%	21%

The marked entries showcase the increase in performance as compared to Feb'21

The marked entries showcase the decrease in performance as compared to Feb'21

Container Lifecycle (Export Cycle)

Container Transportation- JNPT Port Terminals



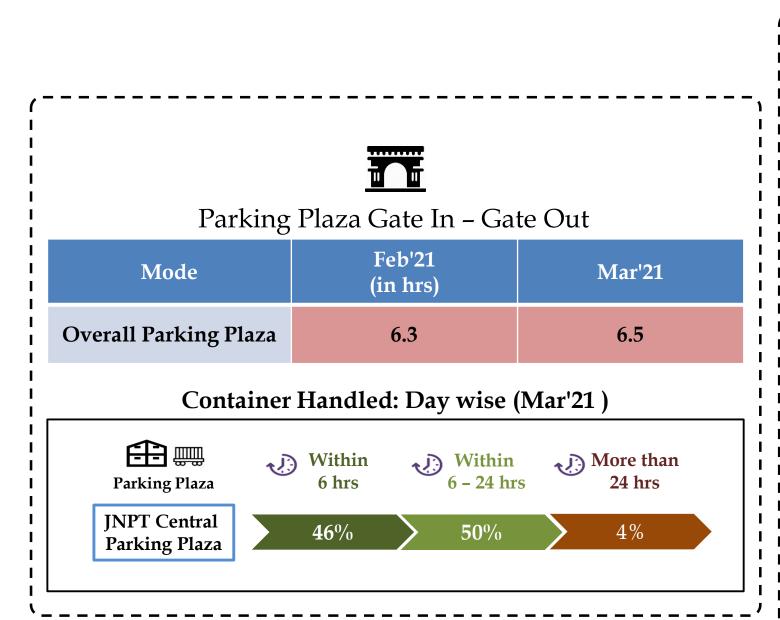
	%IMPORT CYCLE DWELL TIME (Mar'21 - in hrs)		Compared to Feb'21
	Overall Dwell Time of Truck and Train Bound Containers	21.6	6%
	Port Dwell Time for Truck Bound Containers	19.8	8%
	Port Dwell time for Train Bound Containers	36.9	15%
PORT DWELL TIME	Port Dwell time Direct Port Delivery (DPD) containers	31.8	28%
	Port Dwell time Containers bound for CFS	17.6	4%
	Port Dwell for Empty Containers	29.4	12%
	Port Dwell for Laden Containers	20.5	1%
TRANSIT TIME	Port to ICD	58.8	6% ↓
	Port to CFS	2.11	5%

	EXPORT CYCLE DWELL TIME (Mar'21- in hrs)		Compared to Feb'21
	Overall Dwell Time of Truck and Train Bound Containers	74.2	4%
	Port Dwell Time for Truck Bound Containers	75.2	3%
	Port Dwell time for Train Bound Containers	64.3	10%
PORT DWELL TIME	Port Dwell time Direct Port Entry (DPE) containers	81.1	6%
	Port Dwell time Containers bound from CFS	74.6	2%
	Port Dwell for Empty Containers	68.3	1%
	Port Dwell for Laden Containers	74.1	6%
TRANSIT TIME	ICD to Port	63.3	12%
TIVAINOIT TIIVIE	CFS to Port	3.2	6%

JNPT Region: Parking Plaza Dwell Time Analysis



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





Parking Plaza Gate Out - Terminal In

Mode	Feb'21 (in hrs)	Mar'21 (in hrs)
Overall Parking Plaza to JNPT Port	2.0	1.9

Port	Feb'21 (in hrs)	Mar'21 (in hrs)
JNPCT	1.3	1.6
NSICT	1.7	1.7
GTI	2.0	1.8
NSIGT	1.2	1.6
BMCT	4.2	2.9

Container Handled: Day wise (Mar'21)



CFS/ICD Performance Benchmarking & Performance Index - Western Corridor







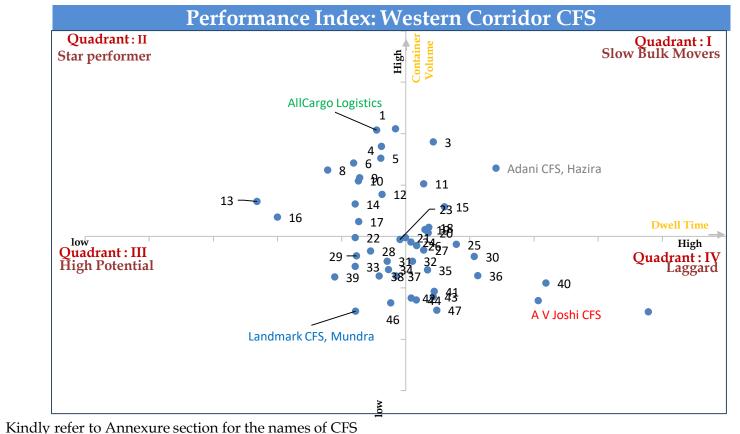


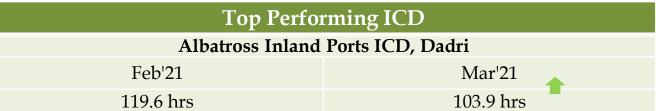
Top Perfor	rming CFS		
AllCargo	Logistics		
Feb'21	Mar'21		
86.6 hrs	84.7 hrs		
Low Performing CFS			
A V Joshi CFS			

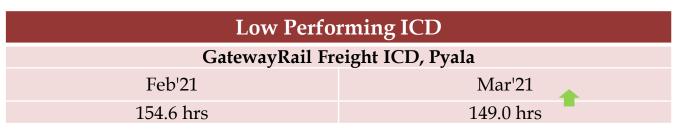
Feb'21 Mar'21
116.4 hrs. 122.7 hrs

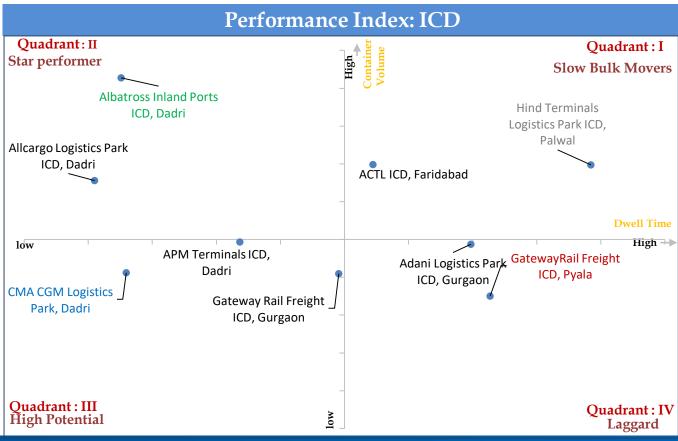
Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders as compared to Feb'21











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

(18% 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	February'21 (in hrs)	March'21 (in hrs)
JNPCT	34.1	41.4
NSICT	41.1	40.9
GTI	26.5	30.9
NSIGT	46.6	55.9
BMCT	20.4	31.8

Container Handled: Day wise (March'21)

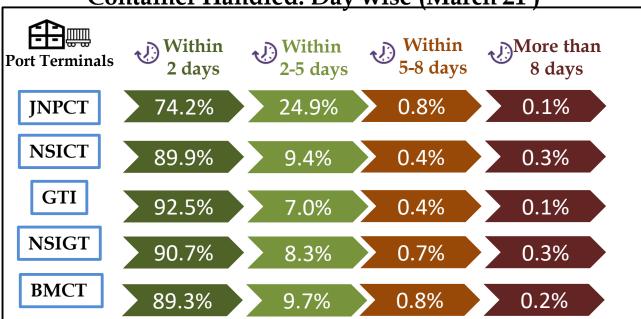
Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	62.4%	34.6%	2.8%	0.2%
NSICT	61.2%	29.3%	7.5%	2.0%
GTI	72.5%	20.6%	4.5%	2.4%
NSIGT	44.6%	42.0%	11.8%	1.6%
ВМСТ	69.3%	26.8%	3.2%	0.7%

PORT IMPORT via TRUCK (82% 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	February'21 (in hrs)	March'21 (in hrs)
JNPCT	32.1	35.8
NSICT	24.3	20.0
GTI	18.4	16.3
NSIGT	18.2	17.6
BMCT	21.3	20.4

Container Handled: Day wise (March'21)



JNPT Port Terminal: Dwell Time Performance (Import Cycle)



The below tables depict the detailed JNPT region port performance in the month of March'21

JNPCT				
Port Dwe	ell time based on tr	ansit type		
March'21	Direct Port Delivery containers	Containers bound for CFS		
Dwell time (in hrs)	31.9 hrs	33.0 hrs		
Port Dwell time based on container type				
March'21	Laden Containers	Empty Containers		
Dwell time (in hrs)	34.7 hrs	42.1 hrs		

GTI				
Port Dw	ell time based on tr	ansit type		
March'21	Direct Port Delivery containers	Containers bound for CFS		
Dwell time (in hrs)	28.1 hrs	14.4 hrs		
Port Dw	ell time based on tr	ansit type		
March'21	March'21 Laden Containers Empty Containers			
Dwell time (in hrs)	17.2 hrs	31.0 hrs		

JNPT Port Terminal: Dwell Time Performance (Import Cycle)



The below tables depict the detailed JNPT region port performance in the month of March'21

NSICT				
Port Dwell time based on transit type				
March'21	Direct Port Delivery containers	Containers bound for CFS		
Dwell time (in hrs)	39.0 hrs	17.8 hrs		
December				
March'21	Laden Containers	Empty Containers		
Dwell time (in hrs)	20.1 hrs	25.8 hrs		

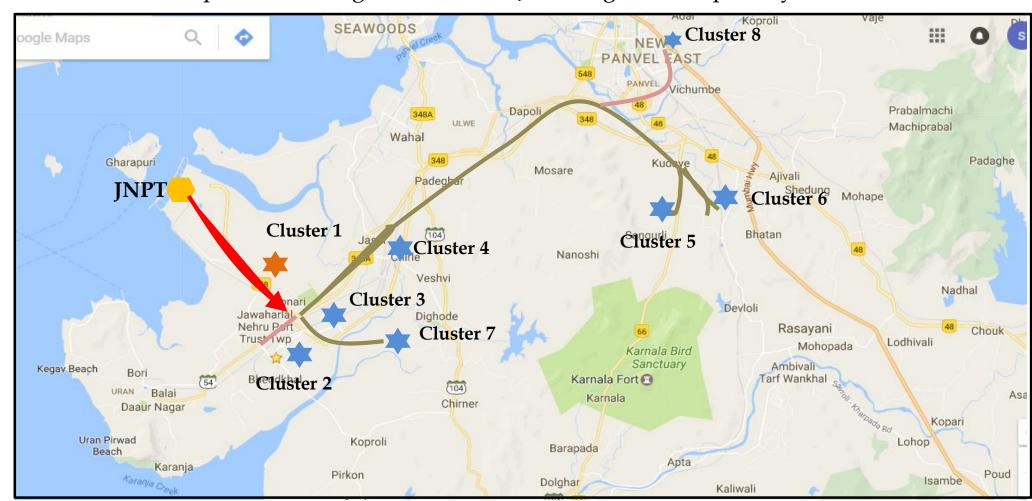
NSIGT				
Port Dwell time based on transit type				
February'21	Direct Port Delivery containers	Containers bound for CFS		
Dwell time (in hrs)	44.0 hrs	16.3 hrs		
Port Dwell time based on container type				
March'21	Laden Containers	Empty Containers		
Dwell time (in hrs)	20.8 hrs	24.5 hrs		

_	BMCT				
Port Dwell time based on transit type					
February'21	Direct Port Delivery containers	Containers bound for CFS			
Dwell time (in hrs)	31.6 hrs	19.3 hrs			
Port Dwo	ell time based or type	n container			
March'21	Laden Containers	Empty Containers			
Dwell time (in hrs)	20.7 hrs	30.8 hrs			

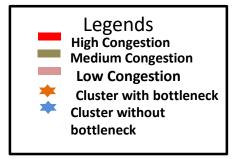
JNPT Region: Congestion Analysis (Import Cycle)

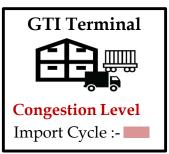


The Below map indicate congestion around JNPT region in Import Cycle in month of March'21



Clusters with bottleneck			
CLUSTER 1	CLUSTER 1 JNPT Area		
Clu	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, Coach kanyakumari Highway		
CLUSTER 6	Salva apta rd area, Bangalore highway		
CLUSTER 7	Patilpada area, Khopate JNPT road		
CLUSTER 8	Taloja, Navi Mumbai		













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 Import Cycle: Container Movement

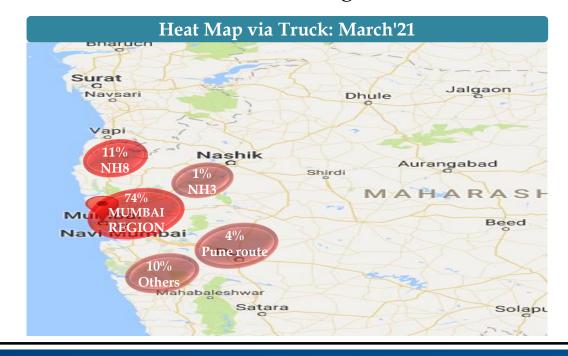


The below table and graphs depict the container movement across JNPT port region in Import cycle

Truck
HEAT MAP: OVERALL MUMBAI REGION

Region	March'21
Mumbai region	74%
NH3	1%
Pune	4%
NH8	11%
others	10%

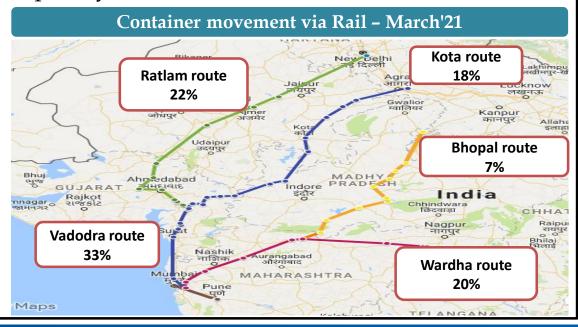
The figure depicts the movement of containers via truck in and around Mumbai region.



Train VOLUME WISE CONTAINER MOVEMENT

Region	March'21
Vadodra Route	33%
Ratlam Route	22%
Wardha Route	20%
Kota Route	18%
Bhopal Route	7 %

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

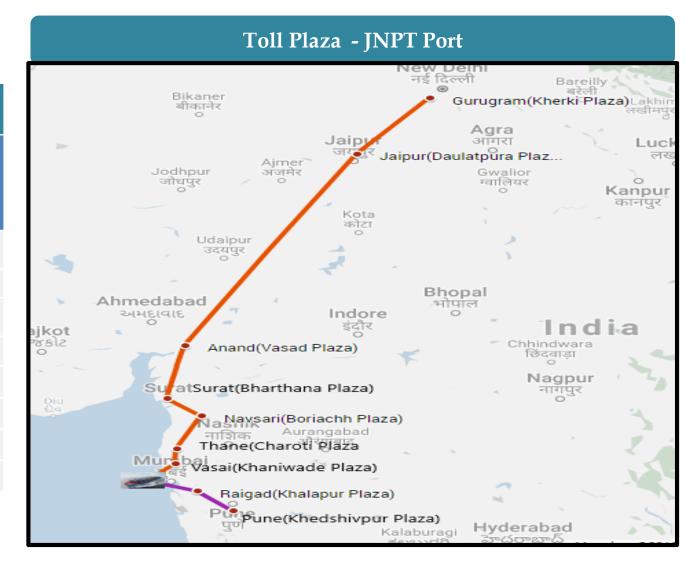


Western Corridor Toll Plaza Analysis



Avg. Speed between Toll to Toll Plazas

	Source	Destination Toll Plaza	Inter Distance (Km)	Feb'21 (in km/hrs)	Mar'21 (in km/hrs)
	JNPT	Khaniwade	94	14.7	15.4
	JNPT	Khalapur	60	7.8	11.8
	Khaniwade	Charoti	50	37.2	37.9
JNPT	Charoti	Boriach	126	29.6	28.7
Z	Boriach	Bharthan	142	33.0	33.0
	Bharthan	Vasad	60	38.8	38.8
	Khalalpur	Khedshivpur	105	33.8	30.6
	Daulatpura	Kherki	199	16.6	15.1





Export Cycle Analysis

JNPT Region: Dwell Time Performance (Export Cycle)



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

(21% of total export volume at JNPT Port)
The Port Dwell time data for train bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	February'21 (in hrs)	March'21 (in hrs)
JNPCT	107.8	92.3
NSICT	16.3	21.1
GTI	87.8	78.7
NSIGT	108.6	108.2
BMCT	81.6	70.7

Container Handled: Day wise (March'21)

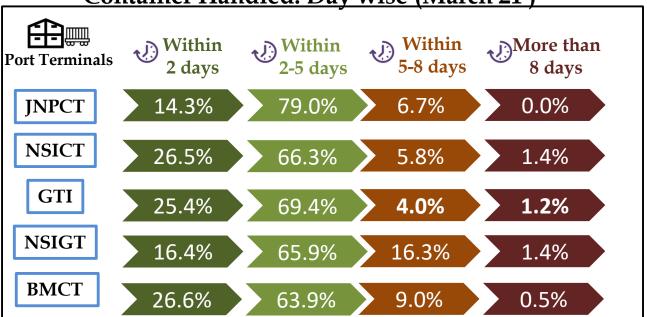
Port Terminals	Within 2 days	Within 2-5 days	Within 5-8 days	More than 8 days
JNPCT	10.6%	45.4%	31.6%	12.4%
NSICT	68.9%	17.7%	9.3%	4.1%
GTI	39.2%	27.4%	14.8%	18.6%
NSIGT	12.6%	45.7%	31.0%	10.7%
ВМСТ	32.4%	42.2%	17.5%	7.9%

PORT EXPORT via TRUCK (79% of total export volume at JNPT Port)

The Port Dwell time data for Truck bound container movement in export cycle is depicted below. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal

Port	February'21 (in hrs)	March'21 (in hrs)
JNPCT	78.9	76.4
NSICT	73.1	72.8
GTI	73.3	71.2
NSIGT	91.3	84.9
BMCT	76.7	74.0

Container Handled: Day wise (March'21)



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 March'21

	JNPCT			
Port Dwe	ell time based on tr	ansit type		
March'21	Direct Port Exports containers	Containers bound for CFS		
Dwell time (in hrs)	79.7 hrs	78.5 hrs		
Port Dwell time based on container type				
March'21	Laden Containers	Empty Containers		
Dwell time (in hrs)	76.8 hrs	79.1 hrs		
Dwell time		2 7		

	GTI				
Port Dw	ell time based on tr	ansit type			
March'21	Direct Port Exports containers	Containers bound for CFS			
Dwell time (in hrs)	98.3 hrs	71.0 hrs			
Port Dwell time based on container type					
March'21	Laden Containers	Empty Containers			
Dwell time (in hrs)	68.0 hrs	60.9 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 March'21

NSICT			
Port Dw	vell time based type	l on transit	
March'21	Direct Port Exports containers	Containers bound for CFS	
Dwell time (in hrs)	76.3 hrs	71.7 hrs	
Port Dwell time based on container type			
March'21	Laden Containers	Empty Containers	
Dwell time (in hrs)	70.1 hrs	61.8 hrs	

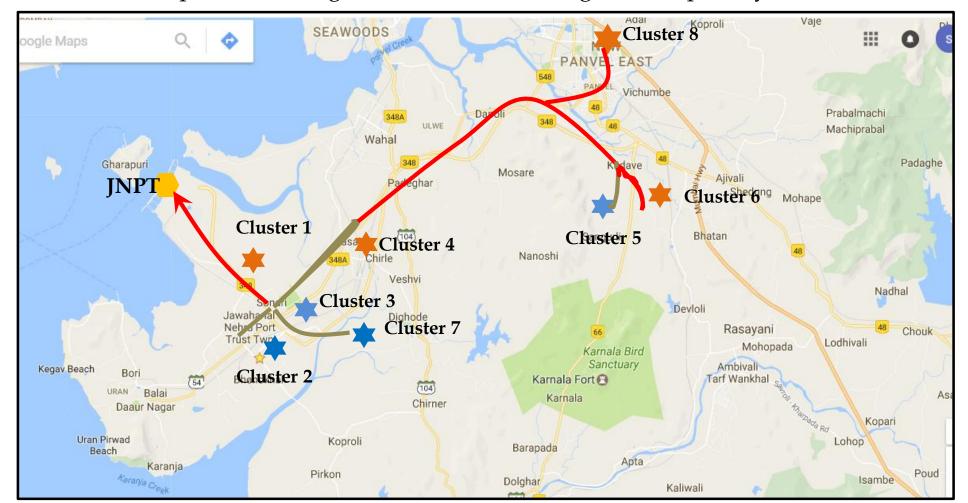
NSIGT			
Port Dwel	l time based on	transit type	
March'21	Direct Port Exports containers	Containers bound for CFS	
Dwell time (in hrs)	86.5 hrs	81.5 hrs	
Port Dwell time based on container type			
March'21	Laden Containers	Empty Containers	
Dwell time (in hrs)	85.7 hrs	68.5 hrs	

	BMCT			
Port Dwe	Port Dwell time based on transit type			
March'21	Direct Port Exports containers	Containers bound for CFS		
Dwell time (in hrs)	-	76.0 hrs		
Port Dwell time based on container type				
March'21	Laden Containers	Empty Containers		
Dwell time (in hrs)	73.1 hrs	70.2 hrs		

JNPT Region: Congestion Analysis (Export Cycle)



The Below map indicate congestion around JNPT region in Export Cycle in month of March'21



Clusters with bottleneck		
CLUSTER 1	JNPT Area	
CLUSTER 4	Chirle area , JNPT road	
CLUSTER 6	Salva apta rd area, Bangalore highway	
CLUSTER 8	Taloja, Navi Mumbai	

Clusters without bottleneck			
CLUSTER 2	Bhendkhal area, Khopate road		
CLUSTER 3	Sonari area, JNPT road		
CLUSTER 5	Plaspa area, Coach Kanyakumari Highway		
CLUSTER 7	Patilpada area, Khopate JNPT road		

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











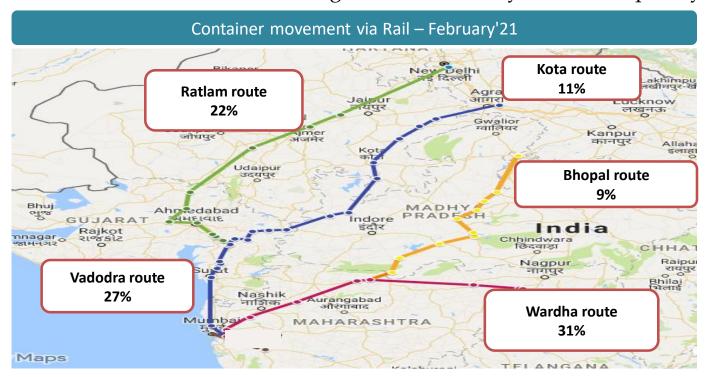
Note: 1) Congestion is measured w.r.t actual time taken to cover the respective distance between clusters and terminals 2) Analysis consist of CFS covered under LDB project

JNPT Region: Container Movement via Train



JNPT Port			
Route	Percentage of Container Movement		
Vadodra Route	27%		
Ratlam Route	22%		
Wardha Route	31%		
Kota Route	11%		
Bhopal Route	9%		

The map shows the volume wise container movement through different railway routes in export cycle for March'21



CFS and ICD Performance

CFS and ICD Performance



JNPT region CFS : CFS DWELL TIME ANALYSISBelow table and graphs show the dwell time of the respective CFSs for the month of March'21

CFS Dwell Time (in hrs.)

CFS	Feb'21 (in hrs)	Mar'21 (in hrs)
Speedy Multimode CFS, JNPT	90.01	89.13
AllCargo Logistics	86.65	84.67
Ameya Logistics CFS, Navi Mumbai	89.85	98.02
International Cargo Terminal CFS	91.49	85.64
Gateway Distriparks CFS, Navi Mumbai	80.12	79.25
Continental Warehousing CFS, Navi Mumbai	77.10	73.13
JWC Logistics Park CFS	87.68	80.69
JWR CFS	79-97	80.38
Navkar Corporation Yard 3 CFS, Panvel	82.13	95•77
Punjab Conware CFS, Navi Mumbai	84.89	85.95
CWC Hind Terminal CFS, Navi Mumbai	105.53	100.61
EFC Logistics India	82.06	80.47
Seabird CFS, Navi Mumbai	86.27	91.48
International Cargo Terminals (ULA) CFS, Navi Mumbai	86.59	79.64
Ashte Logistics CFS, Panvel	93.65	92.76

CFS	Feb'21 (in hrs)	Mar'21 (in hrs)
APM (Maersk India) CFS, Navi Mumbai	105.81	95.76
TG Terminals CFS	91.21	79.92
Navkar Corporation Yard 2 CFS, Panvel	111.42	107.68
Apollo Logisolutions CFS, Panvel	91.43	87.17
Vaishno Logistics CFS, Navi Mumbai	98.94	93.09
Balmer & Lawrie CFS, Navi Mumbai	91.46	79.60
Indev Logistics CFS, Panvel	87.58	96.62
Ocean Gate CFS, Panvel	100.62	89.28
CWC Impex Park CFS, Navi Mumbai	90.39	85.30
Dronagiri Rail Terminal CFS, Navi Mumbai	75.20	74.76
Take Care Logistics CFS	110.05	124.54
Navkar Corporation Yard 1 CFS, Panvel	105.30	98.23
Maharashtra State Corp CFS	81.52	92.78
Maersk Annex (APM)CFS, Navi Mumbai	111.63	94.04

CFS - DWELL OVERVIEW - MARCH'21



Average: 88.0 hrs.

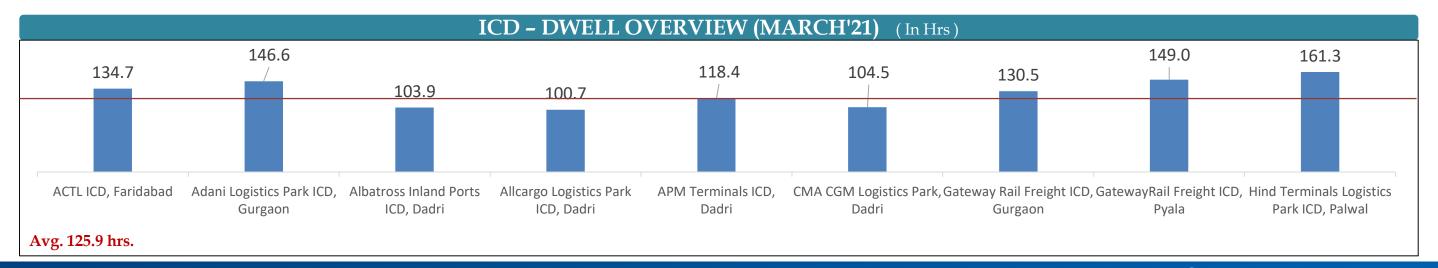
CFS and ICD Performance



ICD DWELL TIME ANALYSIS

The table below depicts the dwell of all ICDs

ICD Dwell Time (in Hrs)				
ICD	Feb'21 (in hrs)	Mar'21 (in hrs)		
ACTL ICD, Faridabad	131.1	134.7		
Adani Logistics Park ICD, Gurgaon	141.9	146.6		
Albatross Inland Ports ICD, Dadri	119.6	103.9		
Allcargo Logistics Park ICD, Dadri	113.8	100.7		
APM Terminals ICD, Dadri	149.1	118.4		
CMA CGM Logistics Park, Dadri	129.6	104.5		
Gateway Rail Freight ICD, Gurgaon	127.6	130.5		
GatewayRail Freight ICD, Pyala	154.6	149.0		
Hind Terminals Logistics Park ICD, Palwal	149.7	161.3		





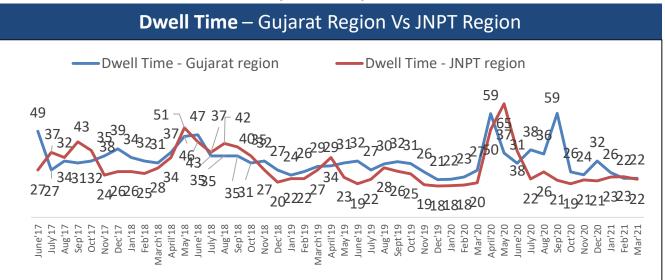
Trend Analysis

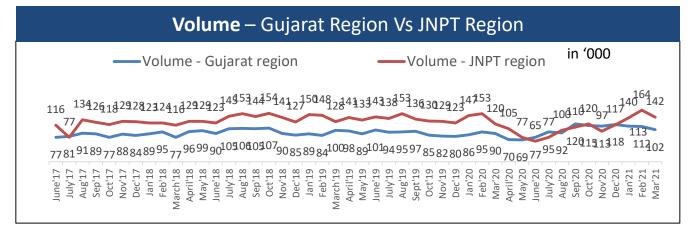
Western Corridor Port - Yearly Analysis



Container Volume and Dwell time of all the terminals in JNPT and Gujarat Port has been analysed until March'21

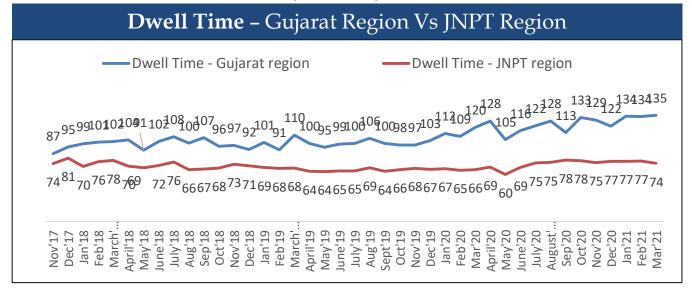
Import Cycle

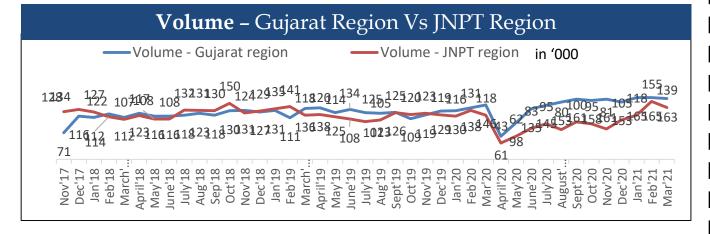




In Import cycle, for the month of March'21 APSEZ port has catered 39% less volume than JNPT Port, and has maintained 3% higher dwell time than JNPT Port.

Export Cycle





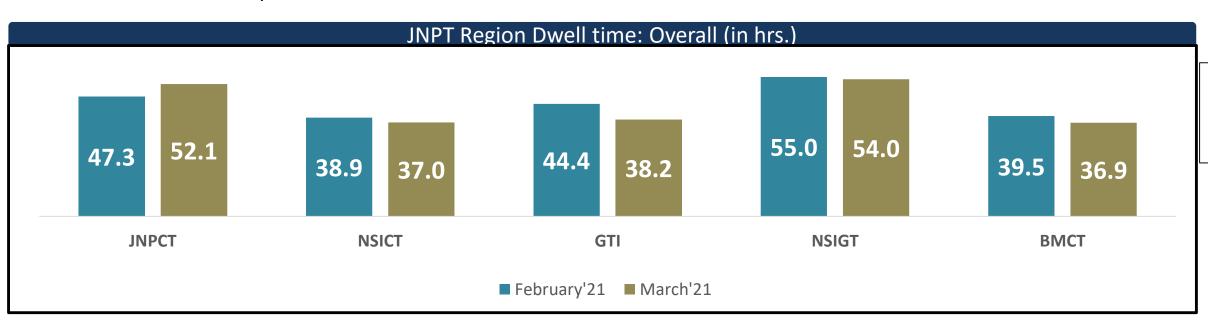
In Export cycle, for the month March'21 JNPT port catered 15% less | volume than APSEZ Port, and has maintained 45% lower dwell time | than APSEZ Port

JNPT PORT DWELL TIME TREND: Month on Month



JNPT port dwell time trend:

The below table shows the overall port dwell time (i.e. import and export cycle combined) trend (Month of Month) of all the JNPT Port terminals. Port dwell time is the time duration between the entry of the container in Port terminal to the time it moves out of the Port terminal



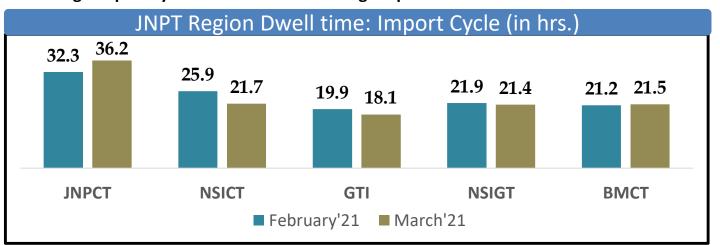
The overall JNPT region average dwell time for Mar'21 is 41.6 hrs as compared to 44.2 hrs in Feb'21

The below tables showcase the Import and Export cycle dwell time for both rail and truck bound containers for month of March'21



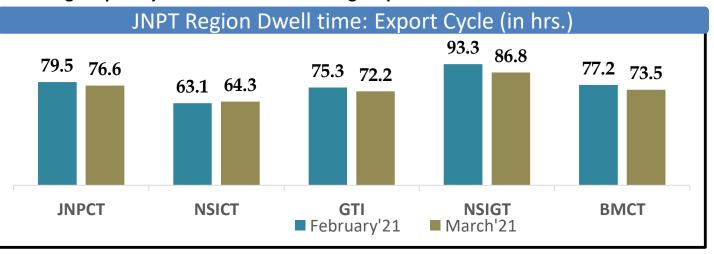
JNPT Import cycle Trend

The average import cycle dwell time of JNPT region port terminals for March'21 is 21.6 hrs.



JNPT Export cycle Trend

The average export cycle dwell time of JNPT region port terminals for March'21 is 74.2 hrs.

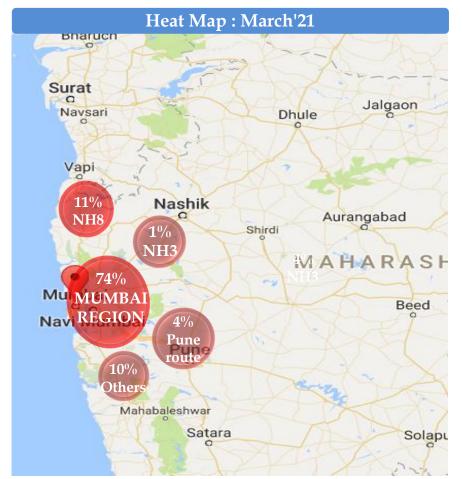


ANNEXURE

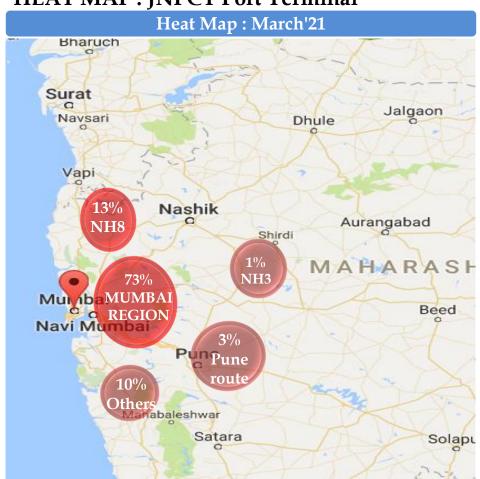
Container movement around JNPT Port terminal region via Truck



HEAT MAP: GTI Port Terminal



HEAT MAP: JNPCT Port Terminal



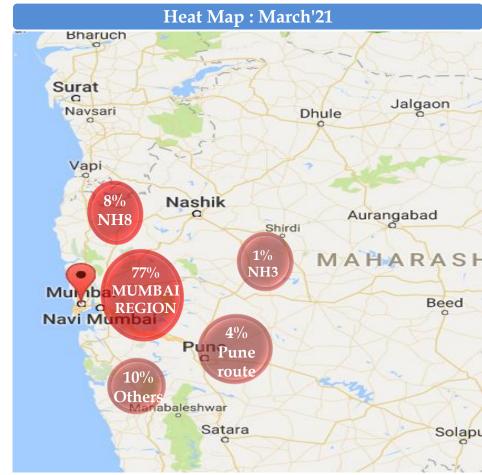
Region	Feb'21	Mar'21
Mumbai	72%	74%
region	7270	7 1 70
NH3	1%	1%
Pune	5%	4%
NH8	12%	11%
others	10%	10%

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

Region	Feb'21	Mar'21
Mumbai region	72%	73%
NH3	1%	1%
Pune	4%	3%
NH8	13%	13%
others	10%	10%

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

HEAT MAP: NSICT Port Terminal



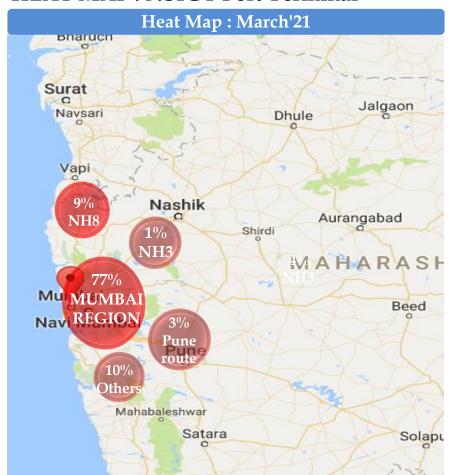
Region	Feb'21	Mar'21
Mumbai region	76%	77%
NH3	1%	1%
Pune	4%	4%
NH8	9%	8%
others	10%	10%

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

Container movement around JNPT Port terminal region via Truck



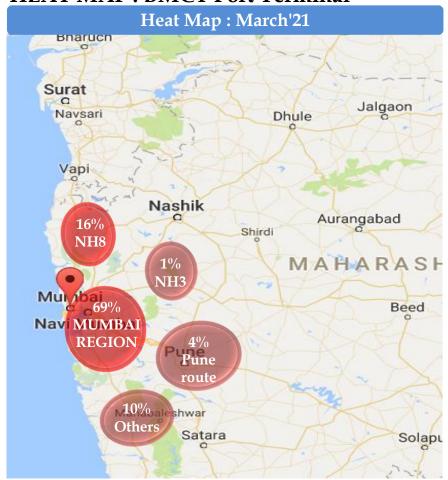
HEAT MAP: NSIGT Port Terminal



Region	Feb'21	Mar'21
Mumbai region	75%	77%
NH3	1%	1%
Pune	5%	3%
NH8	9%	9%
others	10%	10%

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

HEAT MAP: BMCT Port Terminal



Region	Feb'21	Mar'21
Mumbai region	71%	69%
NH3	1%	1%
Pune	5%	4%
NH8	13%	16%
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 March'21

CFS Out Port in (Export Cycle in Hrs)					
CFS	JNPCT	GTI	NSICT	NSIGT	ВМСТ
Gateway Distriparks CFS, Navi Mumbai	3.1	3.6	3.6	3.2	3.4
Punjab Conware CFS, Navi Mumbai	1.8	2.9	3.0	2.2	2.9
JWC Logistics Park CFS	3.3	4.7	3.6	2.8	4.3
CWC Hind Terminal CFS, Navi Mumbai	2.3	3.1	2.0	1.7	3.4
Dronogiri Rail Terminal CFS, Navi Mumbai	2.8	2.8	2.3	2.1	3.4
Navkar Corporation Yard 2 CFS, Panvel	5.4	6.4	6.0	3.9	6.4
Vaishno Logistics CFS, Navi Mumbai	3.5	4.2	3.2	3.1	3.6
Speedy Multimode CFS, JNPT	2.5	2.9	2.2	2.5	3.0
Balmer & Lawrie CFS, Navi Mumbai	1.4	3.3	2.9	3.3	3.3
Navkar Corporation Yard 3 CFS, Panvel	5.3	6.2	4.3	3.5	6.8
Ashte Logistics CFS, Panvel	3.5	4.2	3.3	3.3	5.5
Continental Warehousing CFS, Navi Mumbai	1.9	2.5	2.6	2.2	2.8
SBW Logistics CFS, Navi Mumbai	12.6	9.3	11.6	5.1	8.2
Maharashtra State Corp CFS	2.6	3.2	3.3	2.7	3.0
Internation Cargo Terminal CFS	2.8	3.8	2.6	2.6	3.2
Seabird CFS, Navi Mumbai	2.6	3.3	4.7	2.7	3.4
Apollo Logisolutions CFS, Panvel	3.4	4.8	5.6	3.6	6.3
Ameya Logistics CFS, Navi Mumbai	2.1	3.3	2.5	2.6	3.4
Transindia Logistics Park, Navi Mumbai	3.6	3.3	2.4	2.0	4.1
Ocean Gate CFS, Panvel	3.3	4.0	3.0	3.8	4.2
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.9	3.0	3.1	3.4	4.7
Indev Logistics CFS, Panvel	2.6	4.6	4.2	2.9	4.1
CWC Dronagiri CFS, Navi Mumbai	2.2	2.3	2.6	1.3	3.3
APM (Maersk India) CFS, Navi Mumbai	1.8	2.4	2.0	2.2	2.4

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	Mar'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.2
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.7
Ameya Logistics CFS, Navi Mumbai	2.0
Transindia Logistics Park, Navi Mumbai	2.8
Indev Logistics CFS, Panvel	3.7
Navkar Corporation Yard 3 CFS, Panvel	4.3
Seabird CFS, Navi Mumbai	2.6
Balmer & Lawrie CFS, Navi Mumbai	4.8
Ashte Logistics CFS, Panvel	2.9
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	2.0
Dronogiri Rail Terminal CFS, Navi Mumbai	14.3
Navkar Corporation Yard 1 CFS, Panvel	3.7
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.8
Maersk Annex (APM)CFS, Navi Mumbai	1.8
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	3.1
Navkar Corporation Yard 2 CFS, Panvel	3.7
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	2.7
JWC Logistics Park CFS	4.2
SBW Logistics CFS, Navi Mumbai	4.0
Ocean Gate CFS, Panvel	2.9
Maharashtra State Corp CFS	9.6

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	Mar'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.3
APM (Maersk India) CFS, Navi Mumbai	1.6
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	1.9
Transindia Logistics Park, Navi Mumbai	2.7
Indev Logistics CFS, Panvel	3.9
Navkar Corporation Yard 3 CFS, Panvel	6.0
Seabird CFS, Navi Mumbai	2.0
Balmer & Lawrie CFS, Navi Mumbai	2.1
Ashte Logistics CFS, Panvel	2.8
Continental Warehousing CFS, Navi Mumbai	1.6
CWC Hind Terminal CFS, Navi Mumbai	1.8
Dronogiri Rail Terminal CFS, Navi Mumbai	13.8
Navkar Corporation Yard 1 CFS, Panvel	5.0
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0
Maersk Annex (APM)CFS, Navi Mumbai	1.3
Speedy Multimode CFS, JNPT	1.9
Apollo Logisolutions CFS, Panvel	3.4
Navkar Corporation Yard 2 CFS, Panvel	4.6
Punjab Conware CFS, Navi Mumbai	1.8
Vaishno Logistics CFS, Navi Mumbai	2.1
JWC Logistics Park CFS	2.8
SBW Logistics CFS, Navi Mumbai	4.5
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	25.2

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	Mar'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.4
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.9
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	3.4
Indev Logistics CFS, Panvel	4.0
Navkar Corporation Yard 3 CFS, Panvel	4.7
Seabird CFS, Navi Mumbai	1.9
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.1
Continental Warehousing CFS, Navi Mumbai	1.5
CWC Hind Terminal CFS, Navi Mumbai	2.1
Dronogiri Rail Terminal CFS, Navi Mumbai	14.9
Navkar Corporation Yard 1 CFS, Panvel	4.6
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.1
Maersk Annex (APM)CFS, Navi Mumbai	2.0
Speedy Multimode CFS, JNPT	2.1
Apollo Logisolutions CFS, Panvel	3.2
Navkar Corporation Yard 2 CFS, Panvel	4.7
Punjab Conware CFS, Navi Mumbai	2.8
Vaishno Logistics CFS, Navi Mumbai	2.5
JWC Logistics Park CFS	4.6
SBW Logistics CFS, Navi Mumbai	4.7
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	23.3

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	Mar'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.5
APM (Maersk India) CFS, Navi Mumbai	1.7
Internation Cargo Terminal CFS	1.6
Ameya Logistics CFS, Navi Mumbai	2.2
Transindia Logistics Park, Navi Mumbai	3.1
Indev Logistics CFS, Panvel	3.3
Navkar Corporation Yard 3 CFS, Panvel	4.1
Seabird CFS, Navi Mumbai	1.9
Balmer & Lawrie CFS, Navi Mumbai	2.2
Ashte Logistics CFS, Panvel	3.2
Continental Warehousing CFS, Navi Mumbai	1.9
CWC Hind Terminal CFS, Navi Mumbai	2.2
Dronogiri Rail Terminal CFS, Navi Mumbai	7.7
Navkar Corporation Yard 1 CFS, Panvel	5.3
International Cargo Terminals (ULA) CFS, Navi Mumbai	1.9
Maersk Annex (APM)CFS, Navi Mumbai	1.5
Speedy Multimode CFS, JNPT	2.3
Apollo Logisolutions CFS, Panvel	3.1
Navkar Corporation Yard 2 CFS, Panvel	5.3
Punjab Conware CFS, Navi Mumbai	2.1
Vaishno Logistics CFS, Navi Mumbai	3.0
JWC Logistics Park CFS	2.9
SBW Logistics CFS, Navi Mumbai	3.7
Ocean Gate CFS, Panvel	3.0
Maharashtra State Corp CFS	44.5

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

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

AVERAGE DELIVERY TIME (In Hrs)-BMCT TO ALL CFS IN MUMBAI

MUMBAI	
CFS	Mar'21 (in hrs)
Gateway Distriparks CFS, Navi Mumbai	2.5
APM (Maersk India) CFS, Navi Mumbai	1.6
Internation Cargo Terminal CFS	1.8
Ameya Logistics CFS, Navi Mumbai	2.1
Transindia Logistics Park, Navi Mumbai	2.9
Indev Logistics CFS, Panvel	4.4
Navkar Corporation Yard 3 CFS, Panvel	4.0
Seabird CFS, Navi Mumbai	2.5
Balmer & Lawrie CFS, Navi Mumbai	2.0
Ashte Logistics CFS, Panvel	3.0
Continental Warehousing CFS, Navi Mumbai	1.7
CWC Hind Terminal CFS, Navi Mumbai	1.9
Dronogiri Rail Terminal CFS, Navi Mumbai	9.5
Navkar Corporation Yard 1 CFS, Panvel	4.4
International Cargo Terminals (ULA) CFS, Navi Mumbai	2.0
Maersk Annex (APM)CFS, Navi Mumbai	2.1
Speedy Multimode CFS, JNPT	2.2
Apollo Logisolutions CFS, Panvel	3.0
Navkar Corporation Yard 2 CFS, Panvel	3.9
Punjab Conware CFS, Navi Mumbai	2.7
Vaishno Logistics CFS, Navi Mumbai	3.3
JWC Logistics Park CFS	4.3
SBW Logistics CFS, Navi Mumbai	3.1
Ocean Gate CFS, Panvel	3.6
Maharashtra State Corp CFS	2.3

JNPT Region : Cluster Analysis



Base on container movement from port to CFS in Mumbai region, All the CFS's have been grouped into 8 Clusters on the basis of their vicinity. Below table shows all the clusters and the relevant data for GTI and JNPCT terminal

CFS Cluster: GTI Terminal

GTI terminal for month of $Mar'21$					
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	2.9	
Cluster 2	6	13	1.8	3.2	
Cluster 3	6	11	6.1	3.0	
Cluster 4	1	13	2.7	4.2	
Cluster 5	2	25	3.6	4.3	
Cluster 6	6	25	3.7	4.8	
Cluster 7	4	12	2.0	3.3	
Cluster 8	1	34	4.0	9.3	

CFS Cluster: JNPCT Terminal

JNPCT terminal for month of Mar'21					
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	1.9	2.5	
Cluster 2	6	13	1.8	2.5	
Cluster 3	6	11	7.9	2.6	
Cluster 4	1	13	2.1	3.5	
Cluster 5	2	25	2.9	3.3	
Cluster 6	6	25	4.3	3.5	
Cluster 7	4	12	1.9	2.1	
Cluster 8	1	34	4.5	12.6	

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

JNPT Region : Cluster Analysis



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 Mar'21					
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	2.2	
Cluster 2	6	13	2.0	2.7	
Cluster 3	6	11	8.8	3.1	
Cluster 4	1	13	2.5	0.0	
Cluster 5	2	25	3.8	3.3	
Cluster 6	6	25	4.3	4.3	
Cluster 7	4	12	2.2	2.5	
Cluster 8	1	34	4.7	11.6	

CFS Cluster: NSIGT Termina	CFS	Cluster:	NSIGT	Termina
----------------------------	------------	----------	-------	----------------

NSIGT terminal for month of Mar'21					
Clusters	No. of CFS's in Cluster	Distance from Port (Km)	Import cycle time (in Hrs)	Export cycle time (in Hrs)	
Cluster 1	1	8	2.3	2.5	
Cluster 2	6	13	1.9	2.9	
Cluster 3	6	11	2.0	2.4	
Cluster 4	1	13	3.0	3.1	
Cluster 5	2	25	3.0	3.3	
Cluster 6	6	25	3.7	3.5	
Cluster 7	4	12	2.2	2.2	
Cluster 8	1	34	3.7	5.1	

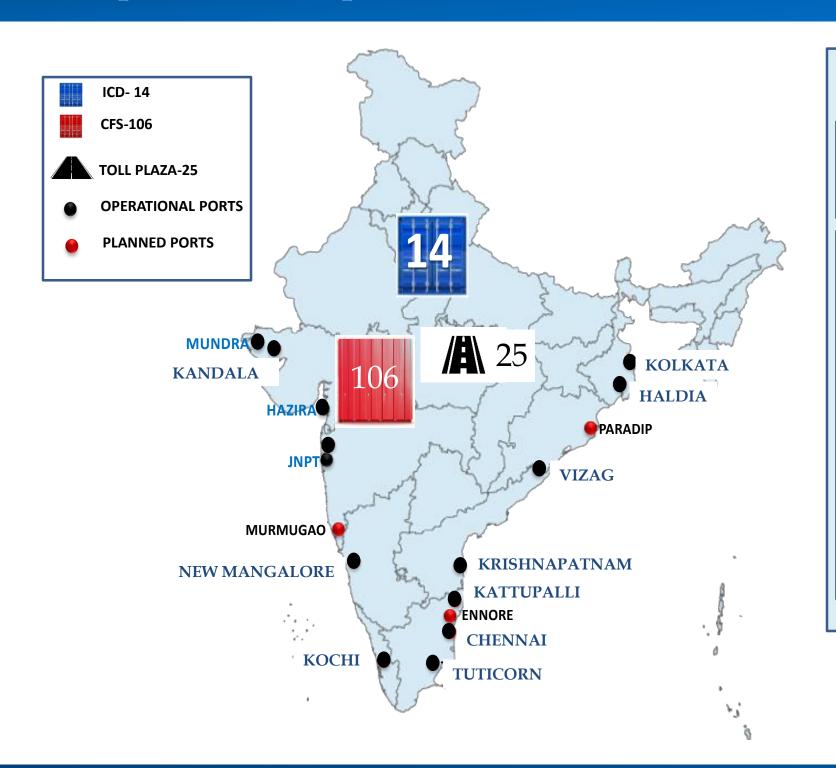
CFS Cluster:	BMCT	Terminal
CIO CIUSICI.	DIVICI	1 CHIIIIII

BMCT terminal for month of Mar'21						
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	2.2	3.0		
Cluster 2	6	13	2.0	3.4		
Cluster 3	6	11	2.0	3.2		
Cluster 4	1	13	3.3	3.6		
Cluster 5	2	25	4.0	4.3		
Cluster 6	6	25	3.9	6.3		
Cluster 7	4	12	2.1	3.4		
Cluster 8	1	34	3.1	8.2		

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**

LDB Operations Snapshot





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,

 Panyel
- Navkar Corporation Yard 2 CFS, Panyel
- Navkar Corporation Yard 3 CFS, Panyel

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 – Western Region CFS



List of CFS name used in CFS Performance Index

1	Speedy Multimode CFS, JNPT
2	AllCargo Logistics
3	Ameya Logistics CFS, Navi Mumbai
4	Saurashtra CFS, Mundra
5	International Cargo Terminal CFS
6	Gateway Distriparks CFS, Navi Mumbai
7	Adani CFS, Hazira
8	Continental Warehousing CFS, Navi Mumbai
9	JWC Logistics Park CFS
10	JWR CFS
11	Navkar Corporation Yard 3 CFS, Panvel
12	Punjab Conware CFS, Navi Mumbai
13	Adani CFS Eximyard, Mundra
14	MICT CFS, Mundra
15	CWC Hind Terminal CFS, Navi Mumbai
16	Ashutosh CFS, Mundra
17	EFC Logistics India
18	Hind Terminals Pvt. Ltd. CFS, Mundra
19	CWC CFS, Mundra
20	TG Terminals CFS, Mundra
21	Seabird CFS, Navi Mumbai
22	International Cargo Terminals (ULA) CFS, Navi Mumbai
23	Mundhra CFS, Mundra
24	Ashte Logistics CFS, Panvel
25	Hind Terminal CFS, Hazira

26	Seabird CFS, Hazira
27	APM (Maersk India) CFS, Navi Mumbai
28	Seabird CFS, Mundra
29	TG Terminals CFS
30	Navkar Corporation Yard 2 CFS, Panvel
31	Apollo Logisolutions CFS, Panvel
32	Vaishno Logistics CFS, Navi Mumbai
33	Balmer & Lawrie CFS, Navi Mumbai
34	Honey Comb CFS, Mundra
35	Indev Logistics CFS, Panvel
36	Rishi CFS, Mundra
37	Ocean Gate CFS, Panvel
38	CWC Impex Park CFS, Navi Mumbai
39	Dronagiri Rail Terminal CFS, Navi Mumbai
40	Take Care Logistics CFS
41	Navkar Corporation Yard 1 CFS, Panvel
42	Maharashtra State Corp CFS
43	AllCargo CFS, Mundra
44	Maersk Annex (APM)CFS, Navi Mumbai
45	A V Joshi CFS
46	Sarveshwar CFS
47	Empezar Logistics CFS
48	Landmark CFS, Mundra
49	CWC CFS, Gandhidham





THANK YOU