

LOGISTICS DATA BANK ANALYTICS REPORT









NATIONAL LOGISTICS POLICY LAUNCHED BY HON'BLE PRIME MINISTER SHRI NARENDRA MODI ON 17th SEPTEMBER 2022

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REPORT INFERENCE

This sections depicts the inference and major highlights of the report

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- 4. Critical Incident Summary
- 5. COVID-19 impact
- 6. Pan India Port Performance Benchmarking & Performance Index
- 7. Pan India CFS Performance Benchmarking & Performance Index
- 8. Region wise segmentation, Western Region ICD performance and region-wise CFS performance

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ANNEXURE

This sections depicts the analysis of Individual Port Terminals region-wise

- 1. Individual Terminal Performance In Southern Corridor
- 2. Individual Terminal Performance In Eastern Corridor
- 3. Individual Terminal Performance In Western Corridor
- 4. Congestion Analysis
- 5. Analysis of Container Movement across India



SHOWCASING THE PROGRESS OF EXIM CONTAINER TRACKING

TRACKED 50+ MILLION CONTAINERS



01 BRIEF SUMMARY

Section

01

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Brief Port-wise Dwell Time – Import Cycle



Import Dwell Time - Six month's Performance

	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)	Mar'23 (in hrs)	Apr'23 (in hrs)
Chennai	40.5	35.6	45.3	41.2	33.0	36.7
Ennore	38.3	45.1	38.0	36.6	30.5	34.9
Haldia	69.0	89.1	67.0	110.7	75.1	63.8
Hazira	35.0	27.3	38.5	33.0	40.4	30.8
JNPA	19.4	22.6	21.9	27.8	26.5	29.1
Kandla	45.6	46.4	21.2	19.4	25.1	27.4
Kattupalli	53.4	54.0	43.2	48.5	42.3	50.1
Kochi	40.0	36.7	46.6	39.9	56.3	55.8
Kolkata	38.2	37.2	30.6	30.7	29.3	33.6
Krishnapatnam	37.1	16.3	32.2	43.2	27.0	53.0
Mangalore	77.2	66.3	60.4	58.9	57.7	66.7
Mundra	27.0	27.2	23.6	33.7	40.3	32.1
Pipavav	65.1	54.1	40.1	47.6	43.3	59.2
Tuticorin	19.8	22.0	23.4	38.8	20.9	15.5
Visakhapatnam	51.7	55.5	49.1	63.8	48.8	61.8

Brief Port-wise Dwell Time – Export Cycle



Export Dwell Time - Six month's Performance

	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)	Mar'23 (in hrs)	Apr'23 (in hrs)
Chennai	81.9	85.5	89.4	83.9	82.5	82.3
Ennore	96.5	105.6	100.3	98.4	97.4	104.4
Haldia	96.0	95.9	144.0	96.0	100.4	149.4
Hazira	115.7	107.4	103.1	106.9	107.3	120.7
JNPA	68.7	69.0	70.9	69.5	74.0	80.0
Kandla	135.2	151.2	87.5	98.5	101.1	95.7
Kattupalli	84.4	86.8	87.8	82.1	89.0	82.1
Kochi	69.1	73.5	70.5	74.0	68.7	84.3
Kolkata	96.6	94.1	126.8	123.9	133.3	112.6
Krishnapatnam	56.3	60.8	78.8	54.4	59.3	46.3
Mangalore	-	67.6	70.2	85.1	80.6	93.3
Mundra	103.2	97.0	106.2	98.6	103.6	103.1
Pipavav	106.3	103.6	108.4	83.2	86.8	93.8
Tuticorin	48.6	58.1	64.9	74.0	56.0	48.8
Visakhapatnam	74.0	78.1	88.7	84.0	77.0	79.6

Brief CFS Dwell Time



Port-wise CFS Dwell Time

	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)	Mar'23 (in hrs)	Apr'23 (in hrs)
Chennai	105.6	96.3	103.1	100.7	91.5	108.3
Ennore	105.6	96.3	103.1	100.7	91.5	108.3
Haldia	112.4	105.1	102.7	140.7	123.6	156.9
Hazira	103.4	94.1	101.8	96.0	93.5	109.6
JNPA	84.1	77.1	77.7	80.3	80.6	91.0
Kattupalli	105.6	96.3	103.1	100.7	91.5	108.3
Kochi	100.3	98.1	100.4	103.2	81.3	114.9
Kolkata	119.1	123.5	124.0	126.7	120.0	139.2
Krishnapatnam	116.7	89.4	108.3	78.5	112.9	106.0
Mundra	87.0	84.3	81.5	82.0	84.8	86.6
Pipavav	72.7	78.2	81.3	86.1	89.9	82.9
Tuticorin	125.9	107.4	125.6	126.0	134.9	152.5
Visakhapatnam	143.2	154.5	149.8	129.2	134.0	152.4



Region-wise CFS Dwell Time

	Nov'22 (in hrs)	Dec'22 (in hrs)	Jan'23 (in hrs)	Feb'23 (in hrs)	Mar'23 (in hrs)	Apr'23 (in hrs)
Western	86.3	80.2	79.5	81.8	83.0	89.5
Southern	109.3	98.0	106.7	103.2	97.7	114.6
Eastern	126.0	132.7	127.6	127.7	123.1	143.8

ICD Dwell Time

	Nov'22	Dec'22	Jan'23	Feb'23	Mar'23	Apr'23
	(in hrs)					
Western	121.8	110.3	119.1	112.4	119.4	136.8

Transit Time – Between Delhi & Mumbai

	Mar'23 (in hrs)	Apr'23 (in hrs)
Port to ICD	78.4	112.4
ICD to Port	85.5	74.6

Brief Volume Analysis – Pan India



Below graphs depicts the change in volume percentage during the month of April'23 w.r.t the last month i.e., March'23 and the average EXIM corridor wise volume.



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02 PAN INDIA PERFORMANCE

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SHOWCASING THE LIVE DEMO OF "TRACK YOUR TRANSPORT" APP AT LDB EXHIBITION

PAN INDIA Performance Snapshot: April 2023 (Dwell Time)







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03 PORT DWELL TIME PERFORMANCE

Section

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- WESTERN CORRIDOR
- SOUTHERN CORRIDOR
- EASTERN CORRIDOR
- PREDICTIVE ANALYSIS

Port Dwell Time Performance – Western Corridor (Import Cycle)



Import Cycle – Dwell Time Performance – Western Corridor (in hrs)



Port Dwell Time Performance – Western Corridor (Export Cycle)



Export Cycle – Dwell Time Performance – Western Corridor (in hrs)



Port Dwell Time Performance – Southern Corridor (Import Cycle)



Import Cycle – Dwell Time Performance – Southern Corridor (in hrs.)



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Port Dwell Time Performance – Southern Corridor (Export Cycle)



Export Cycle – Dwell Time Performance – Southern Corridor (in hrs.)



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Predictive Analysis : JNPA Port





Predictive Analysis : Mundra Port







04 CRITICAL INCIDENT SUMMARY

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Critical Incident Summary



 The Overall container handling performance in Western Corridor in Import Cycle has improved by 4.4% & Export Cycle has 4.6%. The container handling performance at CFS has deteriorated by 7.8%. Also, ICD performance has deteriorated by 14.6%. 					
Western	Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time	ICD Dwell Time
Corridor	Apr'23	30.6 brs	90.9 brs	90 E bro	126.8 brs

dor	Apr'23	30.6 hrs	90.9 hrs	89.5 hrs	136.8 hrs	
	Mar'23	32.0 hrs	86.9 hrs	83.0 hrs	119.4 hrs	

Southern	improved by 0.1%.	erformance in Southern Corridor in Importence at CFS has deteriorated by 17.3%	t Cycle has deteriorated by 6.6%	& in Export Cycle has
Corridor	Month	Import cycle – Dwell Time	Export cycle – Dwell Time	CFS Dwell Time
	Apr'23	36.9 hrs	77.3 hrs	114.6 hrs
	Mar'23	34.6 hrs	77.4 hrs	97.7 hrs

Eastern	deteriorated by 0.4%.	 The Overall container handling performance in Eastern Corridor for Import Cycle has deteriorated by 11.6% and Export Cycle has deteriorated by 0.4%. The container handling performance at CFS has deteriorated by 16.8%. 						
Corridor	Month	Import Cycle – Dwell Time	Export Cycle – Dwell Time	CFS Dwell Time				
	Apr'23	48.2 hrs	96.0 hrs	143.8 hrs				
	Mar'23	43.2 hrs 🔸	95.6 hrs	123.1 hrs				









05 REGION-WISE VOLUME ANALYSIS

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01

- WESTERN CORRIDOR
- SOUTHERN CORRIDOR
- EASTERN CORRIDOR

Volume Analysis – Western Corridor



Below graphs depicts the change in volume percentage during the month of April'23 w.r.t the last month i.e., March'23 and the average EXIM corridor wise volume.



Volume Analysis – Southern Corridor



Below graphs depicts the change in volume percentage during the month of April'23 w.r.t the last month i.e., March'23 and the average EXIM corridor wise volume.



Volume Analysis – Eastern Corridor



Below graphs depicts the change in volume percentage during the month of April'23 w.r.t the last month i.e., March'23 and the average EXIM corridor wise volume.





06 PAN INDIA-PORT PERFORMANCE BENCHMARKING & PERFORMANCE INDEX

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Performance Benchmarking - Port Terminals

The benchmarking showcase the individual terminal's performance w.r.t Pan India



Performance benchmarking for Port Terminals covered under LDB project for Apr'23

Top Performing Terminal					
Bharat Mumbai Container Terminals (PSA)					
Mar'23	Apr'23				
52.6 hrs	53.1 hrs				
Low Performing Terminal					
Haldia International Container Terminal (HICT)					
Mar'23	Apr'23				
84.4 hrs	84.0 hrs				
84.4 hrs	84.0 hrs —				

Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'23

Performance Index - Summary

In order to assess the relative performance of various entitied 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	Slow Bulk
Consist of entities which have catered relatively high container volume in lower dwell time	Consist of e higher conta time
High Potential	Laggard

Consist of entities which have catered relatively lower container volume in lower dwell time

Movers entities which have catered

tainer volume in higher dwell

Consist of entities which have catered relatively lower container volume at higher dwell time



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PAN INDIA-CFS PERFORMANCE BENCHMARKING & PERFORMANCE INDEX

Pan India - CFS Performance Benchmarking & Performance Index



Performance Benchmarking - CFSs

The benchmarking showcase the individual CFS's performance w.r.t Pan India



Performance benchmarking for CFSs covered under LDB project for Apr'23

Top Three Performing CFSs			
CFS Name	Mar'23	Apr'23	
Sical CFS, Chennai Tiruvallur Tamil Nadu	87.7 hrs	82.1 hrs	1
Adani CFS Eximyard, Mundra	74.8 hrs	85.6 hrs	4
Saurashtra CFS, Mundra	90.3 hrs	83.4 hrs	1
Bottom Three Performi	ng CFSs		
CFS Name	Mar'23	Apr'23	
Sical Multimodal and Rail Transport Ltd CFS Division	159.5 hrs	211.7 hrs	1
A.S.Shipping Agencies Pvt Ltd	146.5 hrs	190.1 hrs	1
A L Logistics CFS	128.5 hrs	176.7 hrs	1
Note: The performance benchmarking is based	d on performanc	e index	

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'23

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 in higher dwell time

Laggard

Consist of entities which have catered relatively lower container volume at higher dwell time

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REGION WISE SEGMENTATION, WESTERN REGION ICD PERFORMANCE AND REGION WISE CFS PERFORMANCE

- WESTERN CORRIDOR
- SOUTHERN CORRIDOR
- EASTERN CORRIDOR

Container Transportation Performance - Western Corridor





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



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

The marked entries showcase decrease in performance in comparison to Mar'23


Performance Benchmarking - Port Terminals

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



Performance benchmarking for Port Terminals covered under LDB project for Apr'23

Top Performir	ng Terminal		
Bharat Mumbai Container Terminals (PSA)			
Mar'23	Apr'23		
52.6 hrs	53.1 hrs 🔻		
Low Performing Terminal			
Adani CMA Mundra	Terminal (ACMTPL)		
Mar'23	Apr'23		
80.3 hrs	83.7 hrs		
Note: The performance benchmarking is based on performance index The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'23			
Performance Ind	ex - Summary		
In order to assess the relative performance of variou ICD(s), the relative Dwell time as well as the volume graphically in the form of an index to portray the per basis of these two combined factors i.e. Dwell time	e of containers handled by them are depicted formance of a particular organisation on the		
Star Performer Slow Bulk Movers			
Consist of entities which have catered relatively high container volume in lower dwell time time			
High Potential	Laggard		
Consist of entities which have catered relatively lower container volume in lower dwell time	Consist of entities which have catered relatively lower container volume at higher dwell time		



Performance Benchmarking



Note: The performance benchmarking is based on performance index

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'23

Kindly refer to Annexure section for the names of CFS

Container Transportation Performance - Southern Corridor





Port Dwell Time

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

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Port Performance Benchmarking & Performance Index - Southern Corridor

Performance Benchmarking – Port Terminals

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



Performance benchmarking for Port Terminal covered under LDB project for Apr'23

Top Performin	g Terminal	
Chennai International Terminals Pvt Ltd (CITPL)		
Mar'23	Apr'23	
44.8 hrs	50.3 hrs	
Low Performing Terminal		
New Mangalo	re Port Trust	
Mar'23	Apr'23	
65.7 hrs	81.2 hrs	
Note: The performance benchmarking is based on performance index The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'23		
Performance Ind	ex - Summary	
In order to assess the relative performance of various entitied 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 Slow Bulk Movers		
Consist of entities which have catered relatively high container volume in lower dwell time time		
High Potential	Laggard	
Consist of entities which have catered relatively lower container volume in lower dwell time	Consist of entities which have catered relatively lower container volume at higher dwell time	

CFS Performance Benchmarking & Performance Index - Southern Corridor

Performance Benchmarking - CFSs



Performance benchmarking for CFS covered under LDB project in Southern Corridor for Apr'23

Sical CFS, Chennai Tiruvallur Tamil Nadu		
Apr'23		
82.1 hrs		
Low Performing CFS		
ransport Ltd CFS Division		
Apr'23		
211.7 hrs		
is based on performance index		
lar'23 dex - Summary		
ous entitied like Port terminals, CFS(s) and ne of containers handled by them are depicted erformance of a particular organisation on the e and Volume		
Star Performer Slow Bulk Movers		
Consist of entities which have catered higher container volume in higher dwell time		
Laggard		
Consist of entities which have catered relatively lower container volume at higher dwell time		

Kindly refer to Annexure section for the names of $\ensuremath{\mathsf{CFS}}$

Container Transportation Performance - Eastern Corridor





Port Dwell Time

Container Freight Stations(CFS)– Dwell Time

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Performance Benchmarking - Port Terminals

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



Performance benchmarking for Port Terminal covered under LDB project in Eastern Corridor for Apr'23

Top Performing Terminal		
Kolkata Dock System (KDS) , Kolkata Port		
Apr'23		
66.8 hrs		
ing Terminal		
Low Performing Terminal Haldia International Container Terminal (HICT)		
Apr'23		
84.0 hrs		
ote: The performance benchmarking is based on performance index		

The arrows depict increase/decrease in overall performance of the stakeholders in comparison to Mar'23

Performance Index - Summary

In order to assess the relative performance of various entitied 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 Slow Bulk Movers Consist of entities which have catered relatively Consist of entities which have catered high container volume in lower dwell time higher container volume in higher dwell time

High Potential

Consist of entities which have catered relatively lower container volume in lower dwell time

Laggard

Consist of entities which have catered relatively lower container volume at higher dwell time



Performance Benchmarking - CFSs



Performance benchmarking for CFS covered under LDB project in Eastern Corridor for Apr'23

Top Perform	ning CFS	
Century Plyboa	ards CFS, JJP	
Mar'23	Apr'23	
112.8 hrs	132.4 hrs	
Low Performing CFS		
A L Logis	tics CFS	
Mar'23	Apr'23	
128.5 hrs	176.7 hrs 🔸	
Note: The performance benchmarking is	s based on performance index	
stakeholders in comparison to M	ease in overall performance of the ar'23	
	ar'23	
stakeholders in comparison to M	ar'23 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted formance of a particular organisation on the	
stakeholders in comparison to M. Performance Ind In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe	ar'23 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted formance of a particular organisation on the	
Stakeholders in comparison to M. Performance Ind In order to assess the relative performance of vario ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe- basis of these two combined factors i.e. Dwell time	ar'23 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted rformance of a particular organisation on the and Volume	
Stakeholders in comparison to M. Performance Ind In order to assess the relative performance of varior ICD(s), the relative Dwell time as well as the volum graphically in the form of an index to portray the pe- basis of these two combined factors i.e. Dwell time Star Performer Consist of entities which have catered relatively	ar'23 ex - Summary us entitied like Port terminals, CFS(s) and e of containers handled by them are depicted formance of a particular organisation on the and Volume Slow Bulk Movers Consist of entities which have catered higher container volume in higher dwell	

Kindly refer to Annexure section for the names of CFS



Section 02

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01 INDIVIDUAL TERMINAL PERFORMANCE IN SOUTHERN CORRIDOR

Chennai Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



Kochi Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)





Port Dwell Time **Transit Time Container Freight Station (CFS) – Dwell Time** Transit Mar'23 Apr'23 Apr'23 Mar'23 Mar'23 Apr'23 (in hrs) Cycle (in hrs) (in hrs) (in hrs) (in hrs) (in hrs) · **O- -••• ••**• · O• • • • • IMPORT Port to 3.33 2.90 () CFS ENTITY Overall 42.3 50.1 () Towards CFS Container Mar'23 Apr'23 Transit Freight Mar'23 Apr'23 91.5 108.3 () (in hrs) (in hrs) Cycle Stations (in hrs) (in hrs) (CFS) \mathbf{O} •••••• • ()• • • • • • EXPORT CFS to 0 3.08 3.19 Port Overall 89.0 82.1 $\mathbf{\Omega}$ The marked entries showcase increase in From 1 performance in comparison to Mar'23 CFS О The marked entries showcase decrease in performance in comparison to Mar'23

Container Lifecycle (Import Cycle)

Container Lifecycle (Export Cycle)

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Tuticorin Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



Krishnapatnam Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)



Ennore Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



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New Mangalore Port Terminal: Container Transportation





Port Dwell Time



Section 02

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02 INDIVIDUAL TERMINAL PERFORMANCE IN EASTERN CORRIDOR

TRACK YOUR TRANSPORT ONE STOP INTERACTIVE PLATFORM FOR TRANSPORTATION MANAGEMENT

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Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

Kolkata Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



Container Lifecycle (Export Cycle)

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Haldia Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)





Section 02

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03 INDIVIDUAL TERMINAL PERFORMANCE IN WESTERN CORRIDOR



Pipavav Port Terminal: Container Transportation



Port Dwell Time Mar'23 Apr'23 (in hrs) (in hrs) **0**••• IMPORT 43.3 59.2 () Overall Mar'23 Apr'23 (in hrs) (in hrs) · O- - - - - - - - - O - - - - I EXPORT Overall 86.8 93.8

Container Lifecycle (Import Cycle)

Container Lifecycle (Export Cycle)



Kandla Port Terminal: Container Transportation



Port Dwell Time



Hazira Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)

Port Dwell Time



Container Lifecycle (Export Cycle)



JNPA Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



performance in comparison to Mar'23

JNPA Port Terminal: Container Transportation



MPORT CYCLE DW	ELL TIME (Apr'23 – in hrs)			
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers	29.1	9.8% 🕂	
	Port Dwell Time for Truck Bound Containers	25.4	13.9% 🖊	
	Port Dwell time for Train Bound Containers	53.2	16.5% 🕇	
	Port Dwell time Direct Port Delivery (DPD) containers	36.4	5.5% 🖊	
	Port Dwell time Containers bound for CFS	25.5	28.8% 🖊	
	Port Dwell for Empty Containers	40.1	21.1% 🕇	
	Port Dwell for Laden Containers	27.4	16.6% 🖊	
	Port to ICD	90.1	7.2%	•
Transit time	Port to CFS	2.62		Com to M
EXPORT CYCLE DW				
	'ELL TIME (Apr'23– in hrs)			
	ELL TIME (Apr'23– in hrs) Overall Dwell Time of Truck and Train Bound Containers	80.0	8.1% 🖊	
		80.0 77.1	8.1%	
	Overall Dwell Time of Truck and Train Bound Containers			
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers Port Dwell Time for Truck Bound Containers	77.1	6.5% 🕂	
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers Port Dwell Time for Truck Bound Containers Port Dwell time for Train Bound Containers	77.1 104.6	6.5% + 21.5% +	
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers Port Dwell Time for Truck Bound Containers Port Dwell time for Train Bound Containers Port Dwell time Direct Port Entry (DPE) containers	77.1 104.6 72.2	6.5% + 21.5% + 6.2% +	
Port dwell time	Overall Dwell Time of Truck and Train Bound Containers Port Dwell Time for Truck Bound Containers Port Dwell time for Train Bound Containers Port Dwell time Direct Port Entry (DPE) containers Port Dwell time Containers bound from CFS	77.1 104.6 72.2 78.7	6.5% 21.5% 6.2% 5.8% 4	
Port dwell time	Overall Dwell Time of Truck and Train Bound ContainersPort Dwell Time for Truck Bound ContainersPort Dwell time for Train Bound ContainersPort Dwell time Direct Port Entry (DPE) containersPort Dwell time Containers bound from CFSPort Dwell for Empty Containers	77.1 104.6 72.2 78.7 76.6	6.5% ↓ 21.5% ↓ 6.2% ↓ 5.8% ↓ 5.4% ↓ 8.7% ↓ 21.0% ↓	Com

Let The arrows depict increase/decrease in performance of the stakeholders in comparison to Mar'23

JNPA Region: Parking Plaza Dwell Time Analysis

Apr'23

(in hrs)

4.00



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

ModeMar'23
(in hrs)Apr'23
(in hrs)Overall Parking Plaza5.595.49

Container Handled: Day wise (Apr'23) Parking Within Within Within More than 2-4 hrs 8-16 hrs 16-24 hrs 24 hrs 2 hrs 4-8 hrs Plaza JNPA Central 10% 24% 35% 22% 6% 3% **Parking Plaza**

ModeMar'23
(in hrs)Overall Parking Plaza to
JNPA Port3.65

Parking Plaza Gate Out – Terminal In

Port	Mar'23 (in hrs)	Apr'23 (in hrs)
NSFT	-	3.4
NSICT	5.3	7.0
GTI	0.4	0.4
NSIGT	1.2	2.0
BMCT	7.8	5.9

Container Handled: Day wise (Apr'23)						
Parking Plaza	Within 2 hrs	Within 2-4 hrs	Within 4-8 hrs	Within 8-16 hrs	Within 16-24 hrs	More than 24 hrs
JNPCT	22%	33%	31%	12%	1%	1%
NSICT	11%	13%	40%	32%	3%	1%
GTI	97%	2%	1%	0%	0%	0%
NSIGT	49%	37%	11%	3%	0%	0%
PSA	4%	18%	50%	26%	2%	0%

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Mundra Port Terminal: Container Transportation



Container Lifecycle (Import Cycle)



Mundra Port Terminal: Container Transportation



IMPORT CYCLE	DWELL TIME (Apr'23– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	32.1	20.3% 🕇
Port dwell time	Port Dwell Time for Truck Bound Containers	24.4	27.2% 🕇
	Port Dwell time for Train Bound Containers	101.7	14.4% 🖊
Tropoit time	Port to ICD	86.5	-
Transit time	Port to CFS	0.94	1.1% 🔶
EXPORT CYCLE	E DWELL TIME (Apr'23– in hrs)		
	Overall Dwell Time of Truck and Train Bound Containers	103.1	0.5% 🔶
Port dwell time	Port Dwell Time for Truck Bound Containers	97.8	1.1% 🔶
	Port Dwell time for Train Bound Containers	125.4	4.8% 🖊
Trancit time	ICD to Port	83.9	3.1% 🕇
Transit time	CFS to Port	0.85	25.4% 🔶



The arrows depict increase/decrease in performance of the stakeholders in comparison to Mar'23

Note: Due to data discrepancy, Port to ICD figure is left blank.



04 CONGESTION ANALYSIS

Section

02

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JNPA Region: Congestion Analysis





JNPA - Export - Apr'23

Clusters with bottler	IECK
Cluster 1	JNPA area
Clusters without bot	tleneck
Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area, JNPA road
Cluster 4	Chirle area, JNPA road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 6	Salva apta rd area, bangalore highway
Cluster 7	Patilpada area, khopate JNPA road
Cluster 8	Taloja, navi mumbai

Clusters with bottleneck	
Cluster 1	JNPA area
Clusters without bottlen	eck
Cluster 2	Bhendkhal area, khopate road
Cluster 3	Sonari area, JNPA road
Cluster 4	Chirle area, JNPA road
Cluster 5	Plaspa area, coach kanyakumari highway
Cluster 6	Salva apta rd area, bangalore highway
Cluster 7	Patilpada area, khopate JNPA road
Cluster 8	Taloja, navi mumbai

Legends

High Congestion

Medium Congestion

Low Congestion

Tuster with bottleneck

Cluster without bottleneck

Mundra Region: Congestion Analysis





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Chennai Region: Congestion Analysis







Clusters with bottleneck

Clusters without bottleneckCluster 1Chennai port bound areaCluster 2Ennore port bound areaCluster 3Chennai central areaCluster 4Kattupalli port bound area

Clusters with bottleneck	
Cluster 1	Chennai port bound area
Clusters without bottleneck	
Cluster 2	Ennore port bound area
Cluster 3	Chennai central area
Cluster 4	Kattupalli port bound area
Cluster 5	Chennai automotive industry area (Irungatukottai)
Cluster 6	Thiruvallur Outer city bound area

Legends

Cluster 5

Cluster 6

High Congestion

Medium Congestion

Chennai automotive industry area (Irungatukottai)

Thiruvallur Outer city bound area

Low Congestion

Tuster with bottleneck

Tuster without bottleneck
Tuticorin Region: Congestion Analysis





Clusters with bott	leneck		
Cluster 1	Near by VOC road		
Cluster 2 Periyanayagapuram, Thoothukudi near by Madurai road			
	· · · · · · · · · · · · · · · · · · ·		
Clusters without I			
Clusters without I Cluster 3			

Clusters with bottlen	eck
Cluster 1	Near by VOC road
Clusters without bott	leneck
Cluster 2	Periyanayagapuram, Thoothukudi near by Madurai road
Cluster 3	Tirunelveli road near by Podukottai
Cluster 4	Sipcot area near by Madurai road

Legends

High Congestion

Medium Congestion Low Congestion

Tuster with bottleneck

Cluster without bottleneck

Kolkata Region: Congestion Analysis







Clusters with bott	eneck	
Cluster 2	Sonapur road area	
Cluster 3	Nature park area	
Cluster 4	Babu bazar area	
Clusters without I	ottleneck	
Cluster 1	Base bridge area	

Clusters with bottleneck

Clusters without I	ottleneck
Cluster 1	Base bridge area
Cluster 2	Sonapur road area
Cluster 3	Nature park area
Cluster 4	Babu bazar area

Legends

High Congestion

Medium Congestion Low Congestion

Tuster with bottleneck

Cluster without bottleneck *

Haldia Region: Congestion Analysis





Legends

High Congestion

Modium

Medium Congestion Low Congestion

Tuster with bottleneck

Cluster without bottleneck

Visakhapatnam Region: Congestion Analysis





*

Legends

High Congestion

Medium Congestion

Low Congestion

Cluster with bottleneck

*



05 ANALYSIS OF CONTAINER MOVEMENT ACROSS INDIA

Section

02

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Below is the analysis of the transit movement across ICPs from Kolkata Port Terminal or Haldia Port Terminal both Import and Export cycle

Kolkata Port Terminal

	Mode	ICP Raxaul
	Overall	85.0 hrs
<u>e</u>	Road	137.2 hrs
Import Cycle	Rail	83.3 hrs
port		
<u>=</u>	Haldia Port	Terminal
	Mode	ICP Raxaul
	Overall	119.6 hrs

Kolkata Port Terminal

	Mode	ICP Raxaul
	Overall	1741.7 hrs
5	Road	881.2 hrs
2	Rail	1867.0 hrs
	Haldia Port	Terminal

Mode	ICP Raxaul
Overall	2288.4



Evacuation Efficiency Analysis



Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza



Evacuation Efficiency Analysis: Other Major Ports



Below Table depicts the average speed taken by a truck to cover the distance between a Port terminal to the nearest Toll Plaza

Region	Port	Adjacent Toll plaza	Distance	Average Speed (in Km/h)			
Кедіон	FUIT		(in KM)	Jan'22	Mar'23	Apr'23	
Western	Hazira	Boriach	77	7.4	12.1	10.4	
	KOPT(Kolkata)	Dankuni	24	2.7	3.3	3.2	
Eastern		Debra	100	9.4	10.8	6.3	
	HICT(Haldia)	Jaladhulagori	101	6.4	11.9	11.2	
	Chennai	Surapattu	18	-	-	-	
	Chennai	Nallur	23	2.2	5.3	4.0	
	Kochi	Kumbalam	13	0.7	0.8	0.6	
		GIPL Palayekara	71	9.1	19.9	9.2	
	NMPT (New Manglore)	Brahamarakotlu	25	3.5	12.3	2.0	
Southern		Talapady	22.5	1.7	3.7	1.6	
	(New Mangiore)	Gundmi	68	4.1	6.1	5.4	
		Surapattu	36	-	-	-	
	Kattupalli	Nallur	33	5.0	12.5	4.6	
	Ennore	Surapattu	35	-	-	-	
	Tuticron	VoCPT CheckPost1	4.3	20.1	16.6	17.0	

The analysis is based on the container travelling direct from port to toll, i.e. defined by the containers travelling from port to corresponding toll plaza within 2 days.

Western Corridor Toll Plaza Analysis



	Source	Destination Toll Plaza	Inter Distance (Km)	Mar'23 (in km/hrs)	Apr'23 (in km/hrs)
	JNPA	Khaniwade	94	15.8	14.8
	JNPA	Khalapur	60	-	8.2
۲	Khaniwade	Charoti	50	37.7	36.7
JNPA	Charoti	Boriach	126	24.6	23.8
	Boriach	Bharthan	142	32.9	31.0
	Bharthan	Vasad	60	37.4	37.7
	Khalalpur	Khedshivpur	105	-	32.8
	Mundra	Mokha	28	21.8	22.4
DRA	Mokha	Makhel	150	24.7	25.6
MUNDRA	Mokha	Surajbari	115	27.4	26.8
2	Makhel	Bhalgam	108	34.0	34.3

Avg. Speed between Toll to Toll Plazas







Annexure – Name of the Ports



Terminal Name	Name of the Port
ACMTTL	Adani CMA Mundra Terminal (ACMTTL)
AHPL	Adani Hazira Port Limited (AHPL)
AICT	Adani International Container Terminal (AICT)
AMCT	Adani Mundra Container Terminal (AMCT)
AMCT-2	Adani Mundra Container Terminal-2 (AMCT-2)
BMCT	Bharat Mumbai Container Terminal(PSA)
CCTL	Chennai Container Terminal Pvt. Ltd. (CCTL)
CITPL	Chennai International Terminals Pvt Ltd (CITPL)
DBGT	Dakshin Bharat Gateway Terminal (DBGT)
GTI	Gateway Terminals India (GTI)
HICT	Haldia International Container Terminal (HICT)
AKCTPL	Adani Krishnapatna Container Terminal Pvt. Ltd.

Terminal Nam	e Name of the Port
КІСТ	Kandla International Container Terminal (KICT)
ICTT	International Container Transhipment Terminal, Kochi
NSFT	Nhava Sheva Freeport Terminal (NSFT)
AKPPL	Kattupalli International Container Terminal (KICT)
KDS	Kolkata Dock System (KDS)
MICT	Mundra International Container Terminal (MICT)
NSIGT	Nhava Sheva India Gateway Terminal (NSIGT)
NSICT	Nhava Sheva International Container Terminal (NSICT)
VCTPL	Visakha Container Terminal
NMPT	New Mangalore Port Trust Terminal
AECT	Adani Ennore Container Terminal (AECT)

Note: Jawaharlal Nehru Port Container Terminal (JNPCT) name has been changed to Nhava Sheva Freeport Terminal (NSFT).

Annexure – CFS – Pan India



List of CFS name used in CFS Performance Index					
1 Adani CFS Eximyard, Mundra	Western	33 MICT CFS, Mundra	Western	65 TG Terminals CFS, Mundra	Western
2 Sical CFS, Chennai Tiruvallur Tamil Nadu	Southern	34 Sravan CFS-1	Eastern	66 Navkar Corporation Yard 1 CFS, Panvel	Western
3 Saurashtra CFS, Mundra	Western	35 International Cargo Terminal CFS	Western	67 Viking Warehousing CFS, Chennai	Southern
4 Allcargo Global Logistics CFS, Chennai	Southern	36 Balmer Lawrie CFS, Chennai	Southern	68 Maharashtra State Corp CFS	Western
5 AllCargo Logistics	Western	37 APM (Maersk India) CFS, Navi Mumbai	Western	69 Glovis India CFS, Kanchipuram	Southern
6 Ameya Logistics CFS, Navi Mumbai	Western	38 Apollo Logisolutions CFS, Panvel	Western	70 Sattva Hi-Tech And Conware CFS, Chennai	Southern
7 Hind Terminals Pvt. Ltd. CFS, Mundra	Western	39 Ocean Gate CFS, Panvel	Western	71 St. John Freight Systems Ltd ICD Division	Southern
8 Gateway Distriparks CFS, Navi Mumbai	Western	40 Sanco Trans CFS, Chennai	Southern	72 JWR CFS	Western
9 Continental Warehousing CFS, Navi Mumbai	Western	41 GDKL CFS	Southern	73 MIV CFS	Southern
10 CWC Conex Terminal CFS	Western	42 Apm Terminals India CFS, Tiruvallur	Southern	74 VPL Integral CFS	Eastern
11 Century Plyboards CFS, JJP	Eastern	43 Rishi CFS, Mundra	Western	75 SICAL CFS	Eastern
Continental Warehousing Corporation CFS (Nhava Seva),					
12 Chennai		44 Seabird CFS, Hazira	Western	76 Hari CFS	Southern
13 CWC CFS, Mundra	Western	45 ALS Tuticorin Terminal Private Limited	Southern	77 Kerry Indev Logistics Pvt Ltd CFS	Western
14 Phonex CFS	Eastern	46 Dronagiri Rail Terminal CFS, Navi Mumbai	Western	78 Contrans Logistic CFS, Pipavav	Western
		Continental Warehousing Corporation Nhava			
15 Seabird CFS, Mundra	Western	47 Sheva Ltd.	Southern	79 Balmer Lawrie CFS	Eastern
	_			Sical Multimodal and Rail Transport Ltd CFS	
16 Allcargo Logistics CFS	Eastern	48 Landmark CFS, Mundra	Western	80 Division	Southern
				Continental Warehousing Corporation CFS (Nhava	
17 Kailash Shipping Services CFS, Chennai		49 Navkar Corporation Yard 2 CFS, Panvel	Western	81 Seva), Tiruvallur	Southern
18 Ennore Cargo Container Terminal CFS, Chennai		50 Empezar Logistics CFS	Western	82 Take Care Logistics CFS	Western
19 Gateway Distriparks CFS, Chennai	Southern	51 Sudharsan Logistics CFS, Chennai	Southern	83 Hind Terminal CFS, Hazira	Western
				Kerry Indev Logistics Private Limited / Continental	
20 Punjab Conware CFS, Navi Mumbai		52 VCT CFS	Eastern	84 Container Freight Station	Southern
21 Sarveshwar CFS		53 Kerry Indev Logistics ICD, Kanchipuram		85 Prompt Terminals (P) Ltd	Southern
22 International Cargo Terminals (ULA) CFS, Navi Mumbai		54 Sattva Cfs And Logistics CFS, Chennai		86 A S Shipping Agencies CFS, Tiruvallur	Southern
23 EFC Logistics India		55 Ashutosh CFS, Mundra	Western	87 Hind Terminals CFS, Chennai	Southern
24 JWC Logistics Park CFS		56 Chandra CFS, Tiruvallur	Southern	88 CWC Impex Park CFS, Navi Mumbai	Western
25 Honey Comb CFS, Mundra		57 LCL Logistix CFS, Pipavav	Western	89 Thiru Rani Logistics CFS, Tiruvallur	Southern
26 Navkar Corporation Yard 3 CFS, Panvel		58 Raja Agencies CFS	Southern	90 Vilsons CFS	Southern
27 Adani CFS, Kattupalli Tiruvallur Tamil Nadu	Southern	59 Vaishno Logistics CFS, Navi Mumbai	Western	91 A.S.Shipping Agencies Pvt Ltd	Southern
28 Ashte Logistics CFS, Panvel		60 STP Services CFS, Chennai	Southern	5	Eastern
29 Triway CFS, Chennai	Southern	61 Seabird CFS, Navi Mumbai	Western	93 Calyx Container Terminal CFS, Chennai	Southern
30 Gateway East India CFS	Eastern	62 Diamond CFS Park	Southern	94 Chola Logistiks Pvt Ltd	Southern
31 TG Terminals CFS	Western	63 Mundhra CFS, Mundra	Western		
32 Speedy Multimode CFS, JNPT	Western	64 Century Plyboards CFS, Sonai	Eastern		

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Annexure – Western Region



List of CFS name used in CFS Performance Index

1	Adani CFS Eximyard, Mundra	24	Apollo Logisolutions CFS, Panvel
2	Saurashtra CFS, Mundra	25	Ocean Gate CFS, Panvel
3	AllCargo Logistics	26	Rishi CFS, Mundra
4	Ameya Logistics CFS, Navi Mumbai	27	Seabird CFS, Hazira
5	Hind Terminals Pvt. Ltd. CFS, Mundra	28	Dronagiri Rail Terminal CFS, Navi Mumbai
6	Gateway Distriparks CFS, Navi Mumbai	29	Landmark CFS, Mundra
7	Continental Warehousing CFS, Navi Mumbai	30	Navkar Corporation Yard 2 CFS, Panvel
8	CWC Conex Terminal CFS	31	Empezar Logistics CFS
9	CWC CFS, Mundra	32	Ashutosh CFS, Mundra
10	Seabird CFS, Mundra	33	LCL Logistix CFS, Pipavav
11	Punjab Conware CFS, Navi Mumbai	34	Vaishno Logistics CFS, Navi Mumbai
12	Sarveshwar CFS	35	Seabird CFS, Navi Mumbai
13	International Cargo Terminals (ULA) CFS, Navi Mumbai	36	Mundhra CFS, Mundra
14	EFC Logistics India	37	TG Terminals CFS, Mundra
15	JWC Logistics Park CFS	38	Navkar Corporation Yard 1 CFS, Panvel
16	Honey Comb CFS, Mundra	39	Maharashtra State Corp CFS
17	Navkar Corporation Yard 3 CFS, Panvel	40	JWR CFS
18	Ashte Logistics CFS, Panvel	41	Kerry Indev Logistics Pvt Ltd CFS
19	TG Terminals CFS	42	Contrans Logistic CFS, Pipavav
20	Speedy Multimode CFS, JNPT	43	Take Care Logistics CFS
21	MICT CFS, Mundra	44	Hind Terminal CFS, Hazira
22	International Cargo Terminal CFS	45	CWC Impex Park CFS, Navi Mumbai
23	APM (Maersk India) 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			
8	GatewayRail Freight ICD, Pyala			
9	Hind Terminals Logistics Park ICD, Palwal			
10	Navkar ICD, Tumb			
11	Pristine ICD Chawapail, Ludhiana			
12	The Thar Dry Port ICD Ahmedabad			
13	Continental Warehousing Corporation Nhava Sheva pvt.			
14	The Thar Dry Port Jodhpur			

Annexure – Southern & Eastern Region



List of CFS name used in Southern CFS Performance Index

1	Sical CFS, Chennai Tiruvallur Tamil Nadu	20	STP Services CFS, Chennai
2	Allcargo Global Logistics CFS, Chennai	21	Diamond CFS Park
3	Continental Warehousing Corporation CFS (Nhava Seva), Chennai	22	Viking Warehousing CFS, Chennai
4	Kailash Shipping Services CFS, Chennai	23	Glovis India CFS, Kanchipuram
5	Ennore Cargo Container Terminal CFS, Chennai	24	Sattva Hi-Tech And Conware CFS, Chennai
6	Gateway Distriparks CFS, Chennai	25	St. John Freight Systems Ltd ICD Division
7	Adani CFS, Kattupalli Tiruvallur Tamil Nadu	26	MIV CFS
8	Triway CFS, Chennai	27	Hari CFS
9	Balmer Lawrie CFS, Chennai	28	Sical Multimodal and Rail Transport Ltd CFS Division
10	Sanco Trans CFS, Chennai	29	Continental Warehousing Corporation CFS (Nhava Seva), Tiruvallur
11	GDKL CFS	30	Kerry Indev Logistics Private Limited
12	Apm Terminals India CFS, Tiruvallur	31	Prompt Terminals (P) Ltd
13	ALS Tuticorin Terminal Private Limited	32	A S Shipping Agencies CFS, Tiruvallur
14	Continental Warehousing Corporation Nhava Sheva Ltd.	33	Hind Terminals CFS, Chennai
15	Sudharsan Logistics CFS, Chennai	34	Thiru Rani Logistics CFS, Tiruvallur
16	Kerry Indev Logistics ICD, Kanchipuram	35	Vilsons CFS
17	Sattva Cfs And Logistics CFS, Chennai	36	A.S.Shipping Agencies Pvt Ltd
18	Chandra CFS, Tiruvallur	37	Calyx Container Terminal CFS, Chennai
19	Raja Agencies CFS	38	Chola Logistiks Pvt Ltd

List of CFS name used in Eastern CFS Performance Index

- 1 Century Plyboards CFS, JJP
- 2 Phonex CFS
- 3 Allcargo Logistics CFS
- 4 Gateway East India CFS
- 5 Sravan CFS-1
- 6 VCT CFS
- 7 Century Plyboards CFS, Sonai
- 8 VPL Integral CFS
- 9 SICAL CFS
- 10 Balmer Lawrie CFS
- 11 A L Logistics CFS

LDB AT A GLANCE



PORT PERFORMANCE

(March'23 vs April'23)

DWELL TIME

WESTERN REGION

Import Cycle : 4.4% (32.0 hrs to 30.6 hrs)

Export Cycle : 4.6% (86.9 hrs to 90.9 hrs)

TOP-PERFORMER : Bharat Mumbaii Container Terminal (PSA)

EASTERN REGION

Import Cycle : 11.6% (43.2 hrs to 48.2 hrs)

Export Cycle : 0.4% (95.6 hrs to 96.0 hrs)

TOP-PERFORMER : Kolkata Dock System (KDS)

SOUTHERN REGION

Import Cycle : 6.6% (34.6 hrs to 36.9 hrs)





TOP-PERFORMER : Chennai International Terminal Pvt Ltd (CITPL)

TOP PERFORMERS OF APRIL 2023 PAN INDIA





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