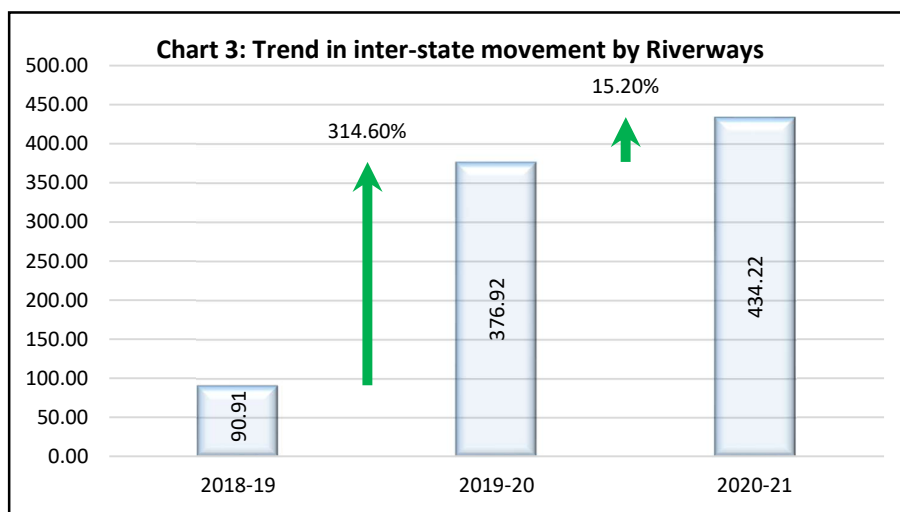


## Chapter III

### Inter-state movement/flow of goods by Waterways (River ways) in 2020-21

Waterways/Riverways are the cheapest means of transport and are most suitable to carry heavy and bulky goods. It is a fuel-efficient and environment-friendly mode of transport.

During 2020-21, total 434.22 lakh tonnes of goods were transported by river ways within India, including internal movement, which declined by 15.2% over 376.92 lakh tonnes of goods, transported by river ways in 2019-20.



During 2020-21, total outward/inward movement of goods by river ways was of 220.64 lakh tonnes, a decline by 5.66% over 233.87 lakh tonnes of outward/inward movement of goods in 2019-20.

### *State wise movement by Riverways*

#### **Outward Movement by Riverways**

**Table E1: Trend in outward movement of goods by Riverways (Quantity in lakh tonnes)**

State	18-19	2019-20	2020-21	% Share in 2018-19	% Share in 2019-20	% Share in 2020-21	% growth in 2020-21 over 2019-20
Gujarat		37.41	99.51		16.00	45.10	165.99
Odisha		92.70	54.81		39.64	24.84	-40.88
Andhra Pradesh		90.86	47.54		38.85	21.55	-47.68
Jharkhand	10.29	7.55	11.32	98.63	3.23	5.13	50.02
Maharashtra		0.89	4.40		0.38	1.99	392.08
West Bengal		1.15	2.05		0.49	0.93	77.92
Karnataka	0.11	3.29	1.00	1.02	1.41	0.45	-69.64
Bihar	0.04		0.003	0.35		0.001	
Uttar Pradesh			0.001			0.0003	
<b>Total</b>	<b>10.44</b>	<b>233.87</b>	<b>220.64</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>-5.66</b>

In India, 9 states are engaged in outward movement of goods. Three states namely Gujarat, Odisha and Andhra Pradesh contributed more than 90% in total outward movement of goods by riverways in 2020-21.

### Inward Movement by Riverways

**Table E2: Trend in inward movement of goods by Riverways (Quantity in lakh tonnes)**

State	2018-19	2019-20	2020-21	% Share in 2018-19	% Share in 2019-20	% Share in 2020-21	% growth in 2020-21 over 2019-20
Maharashtra		90.67	81.52		38.77	36.95	-10.10
Andhra Pradesh		4.13	49.79		1.77	22.57	1105.51
Odisha		0.88	34.24		0.38	15.52	3781.04
Gujarat		126.46	32.12		54.07	14.56	-74.60
Bihar	10.34	7.55	12.35	99.06	3.23	5.60	63.48
Karnataka		1.79	5.46		0.77	2.47	204.14
Goa		0.73	2.54		0.31	1.15	247.16
Tamil Nadu		1.55	1.59		0.66	0.72	2.07
West Bengal	0.01		0.67	0.12		0.30	
Uttar Pradesh			0.34			0.16	
Assam	0.07	0.09	0.02	0.68	0.04	0.01	-79.89
Jharkhand	0.01		0.01	0.14		0.00	
<b>Total</b>	<b>10.44</b>	<b>233.87</b>	<b>220.64</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>-5.66</b>

Total 12 states are engaged in inward movement of goods. Three states namely Maharashtra, Andhra Pradesh and Odisha contributed 75% in total inward movement of goods in 2020-21.

### Internal Movement by Riverways

**Table E3: Trend in internal movement of goods by Riverways (Quantity in lakh tonnes)**

State	2018-19	2019-20	2020-21	% Share in 2018-19	% Share in 2019-20	% Share in 2020-21	% growth in 2020-21 over 2019-20
Maharashtra		115.52	84.88		80.75	39.74	-26.53
Goa	37.58		60.09	46.70		28.13	
West Bengal	29.47		41.92	36.62		19.63	
Gujarat		19.31	15.92		13.50	7.45	-17.58
Kerala	4.18	5.46	7.34	5.20	3.82	3.44	34.41
Assam	4.72	1.90	2.06	5.86	1.33	0.97	8.57
Bihar		0.03	1.38		0.02	0.64	4793.59
Jharkhand	0.00	0.01	0.00	0.00	0.01	0.00	-81.54
Andhra Pradesh	4.52	0.82		5.62	0.57		-100.00
<b>Total</b>	<b>80.48</b>	<b>143.06</b>	<b>213.58</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>49.30</b>

Again, total 9 states are using waterways for internal movement of goods and top 3 states contributed 87.5% in it in 2020-21. Maharashtra is highest in internal and inward movement of goods by riverways and thus this state is top in inter-state movement of goods by riverways in 2020-21.

**% share in total inter stae movement of goods by waterways in 2020-21**

