Ministry of Ports, Shipping and Waterways

FINANCIAL OUTLAY 2022-23		С	PUTS 2022-23	OUTCOMES 2022-23						
2022-23		Output		Indicators	<b>Targets</b> 2022-23		Outcome		Indicators	Targets 2022-23
1	1.	Use of high strength self-compacting alkali activated slag concrete in Ports, Harbours and Offshore structures	1.1	No. of project to be completed for development of high strength self-compacting alkali slag concrete for marine construction	01 (100%)	1.	Enhancement in load carrying capacity of structural members	1.1.	% increase in load carrying capacity of structural members	20%
	2.	Ameliorate Dredged Sediments	2.1	% completion of the study on ameliorate dredged sediments for their bulk utilization to make it techno-commercially feasible option by various treatments and to minimize the dredging cost	50%	2.	To make the dredged material suitable for infrastructural development available during dredging at Major Ports.	2.1	Recommendations provided to stakeholders on cost reduction of dredging cost of Major Ports	Yes

1. Research & Development Port Sector (CS)

Demand No. 78

FINANCIAL OUTLAY 2022-23		OUTPUTS 2022-23	OUTCOMES 2022-23				
2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23	
	3. Submerged vanes for river training and sediment management in streams and their field application	3.1 % completion of the study on the flow pattern due to submerged vanes in rivers and to fix optimal size and shape of submerged vanes.	33%	3. Optimize the shape and size of the vane and to recommend the design to be used in field for river training measure	3.1 Recommendations provided to stakeholders on minimizing erosion of banks of rivers	Yes	

## 2. Sagarmala (CS)

FINANCIAL OUTLAY 2022-23	(	DUTPUTS 2022-23	OUTCOMES 2022-23						
2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators	Target 2022-23			
412.79	<ol> <li>Enhancement of road and rail connectivity to ports         <ul> <li>connectivity to ports</li> </ul> </li> </ol>	<ul> <li>1.1 No. of Rail Projects completed</li> <li>1.2 No. of Road Projects completed</li> </ul>	Targets not amenable <sup>1</sup> 02	1. Improvement in evacuation infrastructure at ports	1.1 Reduction in transit time (%)	50%			

<sup>&</sup>lt;sup>1</sup> Since projects are long term in nature, targets will be added in the future once projects near completion.

FINANCIAL OUTLAY 2022-23	OUTPUTS 2022-23						OUTCOMES 2022-23						
2022-23		Output		Indicators	Targets 2022-23		Outcome		Indicators	Target 2022-23			
	2.	Creation of Infrastructure at ports and undertaking modernization of ports2.1No. of Capital Dredging Projects completed2.2No. of Coastal berth projects completed2.3No. of Ro-Ro / Passenger Jetties projects completed		Dredging Projects completed No. of Coastal berth	01 Targets not amenable1	2.	Enhancement in cargo handling capacity of ports to	2.1	Total cargo traffic volume (MMT)	0.35			
			No. of Ro-Ro /	06	-	handle bigger vessels and enhancement	2.2	Number of tourists	50,000				
			2.4	No of Cruise Terminal projects completed	01		of tourism	2.3	Increase in number of cruise ship calling	500			
	3.	Skill development and research in maritime sector	3.1 3.2	No. of skill development courses No. of labs established	10 Targets not amenable <sup>2</sup>	3.	Skill development and research in maritime sector	3.1	Number of people certified	600			
	4.	Support for infrastructure and other support for minor ports in Andaman & Nicobar and	4.1	Development of Sea Port Terminal at Swaraj Dweep in A&N Island. Extension of Jetty by 150m x 20m and 8 Navigational aids at	50% 10%	4.	Enhancement of cargo and passenger traffic at minor ports of Andaman &	4.1	Cargo traffic volume handled at minor ports of A&N islands (in lakh tones) Passenger traffic at minor port of A&N island (in lakhs)	23.50 46.3			
		Lakshadweep islands.		Long Island in Andaman & Nicobar Island.			Nicobar islands and Lakshadweep						

<sup>&</sup>lt;sup>2</sup> There are no immediate plans to establish new labs during 2022-23. One lab has already been establishedin2021-22.

FINANCIAL OUTLAY 2022-23	(	DUTPUTS 2022-23		C	OUTCOMES 2022-23	
2022-23	Output	Indicators	<b>Targets</b> 2022-23	Outcome	Indicators	Target 2022-23
		4.3 Providing floating Jetty with RCC floats at Ross & smith Island , Diglipur in Andaman & Nicobar Islands.	10%		4.3 Cargo traffic volume handled at minor ports of Lakshadweep islands(in lakh tones)	0.748
		4.4 Construction of Sea Port Terminal at Shaheed Dweep (Neil Island) in Andaman & Nicobar Islands.	10%		4.4 Passenger traffic at minor port of Lakshadweep islands (in lakhs)	4.73
		4.5 % of breakwater project completed	75%			

## 3. Assistance to Ship Building, Research & Development (CS)

FINANCIAL OUTLAY 2022-23			OUTPUTS 2022-23	OUTCOMES 2022-23						
2022-23		Output	Indicators	Targets 2022-23		Outcome		Indicators	Targets           2022-23	
112	a.	Financial Assista	nce/subsidy to All India Shipyar	ds						
	1.	Finance for construction and delivery of vessels by Indian shipyards	1.1. No. of vessels financed	56	1.	Promotion of ship building in domestic shipyards to generate employment and business opportunities	1.1.	Amount of business generated (Rs. Crores) Employment generated (Man Days)	550	

FINANCIAL OUTLAY 2022-23			<b>OUTPUTS 2022-23</b>			OUTCOMES 2022-23			
2022-23	Output		Indicators	<b>Targets</b> 2022-23	Outcome		Indicators		<b>Targets</b> 2022-23
	b.	Research & Deve	lopment (Shipping Sector)						
	1.	Modelling and laboratory prototype testing of battery-operated short endurance marine vessels	<ul> <li>1.1. Development and optimization of designs - % completed</li> <li>1.2. Preparation of prototypes - % completed</li> </ul>		1.	Reduction in CO2 emission in short endurance vessels in Vishakhapatna m Port	1.1.	Drop in consumption of diesel in short endurance vessels in Vishakhapatnam Port Expected drop in diesel consumption at Visakhapatnam port, if the technology developed in the project is used	33.16%
							1.3.	Expected drop in CO <sub>2</sub> at Visakhapatnam Port, if the technology developed in the project is used	32.95%