

# Maritime India Summit 2021

## List of MoUs Signed



Knowledge Partner:



## Summary

MoPSW and its Agencies				
#	Core Stakeholder Name	MoU Count	Amount (INR Crore)	Amount (USD Mn)
1	Chennai Port Trust	17	3,146.50	437.01
2	Cochin Port Trust	27	3,313.05	460.15
3	Cochin Shipyard Ltd.	9	3,050.00	423.61
4	Deendayal Port Trust	40	77,277.15	10,732.94
5	DG Shipping	45	19,339.41	2,686.03
6	Dredging Corporation of India	5	2,020.00	280.56
7	Indian Ports Association	4	-	-
8	Indian Maritime University	3	100.00	13.89
9	Inland Waterways Authority of India	4	91.85	12.76
10	Indian Port Rail & Ropeway Corporation Ltd.	27	12,097.69	1,680.23
11	Jawaharlal Nehru Port Trust	32	27,277.00	3,788.47
12	Kamarajar Port Limited	14	2,645.00	367.36
13	Mormugao Port Trust	27	3,925.00	545.14
14	Mumbai Port Trust	27	28,179.50	3,913.82
15	New Mangalore Port Trust	18	2,432.00	337.78
16	Paradip Port Trust	26	27,256.45	3,785.62
17	Sagarmala Development Company Limited	44	11,390.13	1,581.96
18	Shipping Corporation of India	9	6,307.60	876.06
19	Syama Prasad Mookerjee Port	37	25,308.00	3,515.00
20	Vishakhapatnam Port Trust	26	28,779.41	3,997.14
21	V. O. Chidambaranar Port Trust	36	27,137.27	3,769.07
<b>Total (A)</b>		<b>477</b>	<b>3,11,073.01</b>	<b>43,204.58</b>
State Government and its Agencies				

#	Core Stakeholder Name	MoU Count	Amount (INR Crore)	Amount (USD Mn)
1	Andhra Pradesh Maritime Board	9	27,488.00	3,817.78
<b>Total (B)</b>		<b>9</b>	<b>27,488.00</b>	<b>3,817.78</b>
<b>Overall Total (A+B)</b>		<b>486</b>	<b>3,38,561.01</b>	<b>47,022.36</b>

## MoPSW and its Agencies

Chennai Port Trust			
S. No.	Name of Project/ MoU Brief	Name of Stakeholder(s)	Amount (INR Crore)
1	Cargo evacuation Study. Conduct Study for efficient evacuation of containers	Umeandus Tech. Pvt. Ltd.	1.0
2	Jolarpettai rail terminal: Extended gate facility through rail	Indian Port Rail & Ropeway Corporation Ltd.	100
3	Extended gate facility at Tondiarpet	Container Corporation of India	30
4	MoU for shore power supply to Navy	Indian Navy	62.5
5	Cooperation on skill development and training	AMET University	2.5
6	Multi Modal logistic park at Chennai hinterland, Mappedu	Tamil Nadu Government and National Highways Authority of India	1,500
7	Chennai - Karaikal Ferry Service	Karaikal Port and Pondicherry Govt.	15
8	Cooperation between Chennai port and BHEL to enhance cargo throughput	Bharat Heavy Electronics Limited	32.5
9	ChPT- IIT Madras-NTCPWC – Technical Study	IIT Madras	745
10	ChPT- IIT, NTPCPWC – Cooperation for conducting research on Vessel mapping and Unmanned survey	IIT Madras	25
11	Ocean Research	National Institute of Ocean Technology	75
12	Creation of hub for bunker at ChPT	Indian Oil Corporation Limited	75
13	Facilitating value-added services in downstream petroleum sector	Indian Oil Corporation Limited	8
14	Setting-up Large format Retail outlets for dispensing POL products	Indian Oil Corporation Limited	15
15	Establishing Bitumen Storage and Marketing Facilities	Indian Oil Corporation Limited	10
16	Dredging MoU for 5 years	Dredging Corporation of India Limited	150
17	Operations & Maintenance of BD1 & BD3 POL berths on PPP	Chennai Petroleum Corporation Limited	300

<b>Cochin Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Dredging for Maintenance of channels and basins in Cochin Port for 5 years	Dredging Corporation of India Ltd.	420
2	Deepening and Widening of Port Channels leading to ICTT and ICTT basin at Cochin Port	Dredging Corporation of India Ltd.	454
3	Vallarpadam SEZ - Warehouse for storing, handling and rendering value-added services to both dry and cold storage cargo in the FTWZ.	India Gateway Terminal Pvt Ltd	85
4	Cryogenic Warehouse - Puthuvypen SEZ - Cold Storage facility for Marine Products, Meat, Vegetables & Fruits, Pharmaceutical Items, etc.	India Gateway Terminal Pvt Ltd	30
5	Establishing a Multi-speciality Hospital at Willingdon Island in 10 acres of land	Krishna Hospital	175
6	Coastal Connectivity: Operating coastal shipping services to Non-Major Ports of Kerala to Cochin Port	Great Sea Services LLP	100
7	Inland Container Depot Services for EXIM as well as Coastal Cargo, linked through National Waterways	Kottayam Port & ICD Services	33
8	Augmentation of demand of domestic construction industry for cement & clinker - incremental volume of imports	Cochin Cements Ltd	50
9	Cement Import-cum-Bagging Terminal: Installation of Silos in about 2.0 ha of land on lease from Cochin Port Trust (CPT) with pipeline connection to Q9 berth of CPT for supply of Cement, shipped to Cochin, to Kerala market, with annual volumes of 3.0 Lakh MT	Shree Cement	80
10	Hinterland Connectivity and Multi-modal logistics hub: Alternate logistics support for import of cement in break-bulk mode - incremental business and support to hinterland construction industry	REC Global	50
11	Coir & Coir Product Consolidation Centre: Facility for Palletisation, Wrapping, Marking, other value additions, stuffing & sealing of containers at Pollachi, Tamilnadu.	Sai Parmpara Lead Logistics Private Ltd	20
12	Enhancement of Maritime Traffic to Cochin Port: Logistics support for capacity augmentation of hinterland industries	Cochin Minerals and Rutile Ltd	200
13	Container Freight Station for Coastal Cargo: Facility for De-stuffing of containers, storage & warehousing at Cochin	Sai Parmpara Lead Logistics Private Ltd	80

14	Tourism related projects at Willingdon Island: Museum, Bristow Café, Heritage, Home Stay, Mini Theme Park & Ferris Wheel, Water Sports, Amphitheatre, Planetarium and astronomy club, Light and Sound Show, Film Shooting Facilities, Helicopter services to nearby places, Performing Art Centre, etc.	Greenix Ventures Pvt. Ltd	153.50
15	Cochin Water sports Complex cum Pavilion: Development of basic amenities for adventure water sports, training and recreation. Also, focusing on Entrepreneurship development for Aqua and Adventure Tourism star-ups in Kerala proposed at Walkway near BoT bridge, Thoppumpady, Kochi.	District Tourism Promotion Council, Ernakulam	10
16	Tourism related infrastructure: 15 room Boutique Resort with Lake View Restaurant.	Chemmanur Fashion Jewellers	3
17	Augmentation of Cargo handling facilities at Cochin Port for dry bulk & liquid bulk cargoes at South Coal, Q1, Q9 & Q10 Berths	Fertilisers and Chemicals Travancore Limited (FACT)	400
18	Port based Industrial Unit: Edible oil refining unit at Muvattupuzha.	Parisons Infrastructure Pvt Ltd	55
19	Augmentation of Bunker supplies in Cochin Port: Adding two number of Bunker Barges to add to the available barges for supply of bunkers to ships at Cochin Port both Inner as well as outer harbour	Unique Bunkers and Marine Services	9
20	Lube Oil Unit: Sourcing indigenously produced Lube Oil, blending, value-addition, unitization and export.	Indian Oil Corporation Limited	0.40
21	Aviation Fuel Terminal: Installation of Tank Farms in about 8.0 ha of land on lease from Cochin Port Trust (CPT) with pipeline connection to Q4 berth of CPT for supply of indigenously produced Aviation Fuel, coastally shipped to Cochin, to Airports in Kerala.	Indian Oil Corporation Limited	200
22	Develop HSD Export facility at Multi User Liquid Terminal (MULT) - Install a new cross-country pipeline from Kochi Refinery to MULT at Puthuvypeen for exclusive operation of HSD export	Bharat Petroleum Corporation Limited	250
23	Develop Propylene loading facility at Multi User Liquid Terminal (MULT)- Installation of new cross country pipeline from Kochi Refinery to MULT along with associated facilities for despatch of excess propylene available in Kochi Refinery to customers in west coast of India.	Bharat Petroleum Corporation Limited	250

24	POL Lighterage Operation - Commencement of Ship to Ship transfer at the outer anchorage of Cochin Port of Crude oil / POL products to tranship to other ports	Bharat Petroleum Corporation Limited	50
25	Construction of world class Petchem terminal with state of art facilities at Willingdon Island for despatch of petchem to consumers in west coast	Bharat Petroleum Corporation Limited	150
26	Commencement of POL handling from South Tanker Berth	Indian Oil Corporation Limited	5
27	GUCD Services Unit: Providing Gassing Up & Cooling Down (GUCD) services to LNG carrying ships.	Petronet LNG Limited	0.15

<b>Cochin Shipyard Limited</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Design & Consultancy services for Tugs, Inland vessels, Harbour crafts, Specialized vessels to be built in India	Robert Allan Ltd., Canada	400
2	Co-operation in the field of vessel Refits, Upgradation, Conversion etc.	Mazagon Dock Ship Builders Ltd	750
3	Co-operation for Hydrogen fuel cell and autonomous vessels	KPIT Technologies, Pune	NA
4	Construction of Dredgers in India	Royal IHC, Holland	400
5	Co-operation in the field of Ship Repair and Ship Upgradation	Dredging Corporation of India Ltd	500
6	Co-operation in the field of Dredging services	Dredging Corporation of India Ltd	200
7	Construction of Dredgers in India	Dredging Corporation of India Ltd	800
8	Cooperation towards joint development & standardisation of New Technologies in the field of Shipping, Fishing Vessels, Tugs, Inland & Coastal Ships.	Indian Register of Shipping	NA
9	To meet the hydrography requirements of CSL in their channels & Quay frontages	State Hydrography Department, Govt. of Kerala	NA

Deendayal Port Trust			
S. No.	Name of Project/ MoU Brief	Name of Stakeholder(s)	Amount (INR Crore)
1	Construction of 2 x 20" Refrigerated Propane / Butane / LPG Line at Oil Jetty No-7	Indian Oil Corporation Limited	1,560
2	Construction of Oil Jetty No 8 at Old Kandla with a capacity of 2 MTPA	Kargwal KM Joint Venture	99.09
3	Afforestation Project in Deendayal Port Trust Area.	Forest Department, Govt. of Gujarat	5.11
4	Improving greenery in urban area of Greenbelt area of Gandhidham Township	Rotary Club, Gandhidham	1.5
5	Greening of Gandhidham- Forest Department	Forest Department, Govt. of Gujarat	2.0
6	Furniture Park at Kandla	Timber Association-Kandla	400
7	Training Institute for furniture park at Gandhidham / Kandla	Institute of Wood Science & Technology, Bangalore	35
8	Development of project for generation of power from Solar and/or wind Power and Converting existing wind Projects into Hybrid Projects	PTC India Limited, Delhi	NA
9	Explore, undertake and support in research work for renewable energy power, grid operation and energy storage technologies	Gujarat Energy Research and Management Institute (GERMI)	NA
10	Providing power supply for operation of Edible Oil plant	EMAMI Agrotech Limited	1,158.2
11	Providing power supply for operation of LPG plant	Aegis Logistic Limited	418.8
12	Providing Power supply to 5 tank farms for operation	1. N.P Patel 2. Rishi Kiran 3. Parker Agrochem Products PVT Limited Unit-1 4. Parker Agrochem Products Pvt Limited Unit-2 5. Parker Agrochem Export Limited	150
13	Coast Guard Jetty	Indian Coast Guard	52.82
14	Ferry Service between Dahej and Ghogha	Angriya Sea Eagle Ltd	1.2
15	Ro-Ro Services between Deendayal Port Trust - Vadinar and Mundra Port	Adani Logistics Limited	20



16	Rail connectivity to berth no 13 to 16	Indian Port Rail & Ropeway Corporation Ltd.	127
17	Upgradation of rail network inside cargo jetty area	Indian Port Rail & Ropeway Corporation Ltd.	45.51
18	Construction of Interchange cum ROB at LC 236 (Kutch Salt Junction) on NH141	Indian Port Rail & Ropeway Corporation Ltd.	254.92
19	Expansion of Edible Oil project in SIPC	Emami Agrotech Limited	500
20	Cryogenic Storage Facility at SIPC	IMC Limited	700
21	Construction and operation of OJ6 on captive basis	Indian Oil Corporation Limited	75
22	Laying FO Barge Bunker pipeline and associated facilities at OJ 0 Kandla	Indian Oil Corporation Limited	55
23	Laying FO Barge Bunker pipeline and associated facilities at OJ 1, Kandla	Indian Oil Corporation Limited	30
24	Laying FO Barge Bunker pipeline and associated facilities at OJ7 Kandla	Indian Oil Corporation Limited	30
25	Laying FO Barge Bunker pipeline and associated facilities at OJ5 Kandla, IFFCO	Indian Oil Corporation Limited	10
26	Kandla Gorakhpur LPG Pipeline- KGPL Project	IHB Private Limited (JV of Indian Oil Corporation Limited, Hindustan Petroleum Corporation Limited and Bharat Petroleum Corporation Limited)	4,150
27	Crude oil to Chemical complex Phase I – 10 MMTPA Phase II – 20 MMTPA	Essar Group	35,000
28	SPM and Port Infrastructure for proposed Crude Oil to Chemical complex of Essar	Essar Group	3,000
29	Integrated steel complex	Essar Group	15,000
30	Port infrastructure for the proposed Integrated Steel Complex of Essar	Essar Group	2,000
31	Cryogenic LPG Import and storage Terminal along with a	Aegis Logistics Limited	550

	bottling plant and allied infrastructure		
32	Export promotion and facilitation of additional cargo: Aggregate /Stone chips, white clay	Arnav Shipping Pvt. Ltd.	70
32	Export promotion and facilitation of additional cargo: Salt	Rankers International Private Limited	243
33	Export promotion and facilitation of additional cargo: Windmill towers	Agility logistics Pvt. Ltd.	420
34	Export promotion and facilitation of additional cargo: Stone Chips	Ravi Sea World Services	75
35	Export promotion and facilitation of additional cargo: Salt, Timber Logs	One Checmical Company	375
36	Export promotion and facilitation of additional cargo: Salt	Friend's Impact	171
37	Export promotion and facilitation of additional cargo: Salt	Kutch Salt	171
38	Export promotion and facilitation of additional cargo: De-Oiled Cake-Rapeseed	Kandla Agro	137
39	Export promotion and facilitation of additional cargo: Crude and Product	Nayara Energy	10,184

<b>Director General Shipping</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Acquisition of ship	Great Eastern Shipping Company Ltd.	2,500
2	Acquisition of ship	Seven Islands Shipping Ltd	2,000
3	Acquisition of 6 ships	Shreyas Shipping & Logistics Ltd / Transworld Group	525
4	Acquisition of ship	Shreyas Shipping & Logistics Ltd / Transworld Group	350
5	Acquisition of 28 ships	JSW Shipping & Logistics Private Limited	1,510
6	Building of 2 ships	Shreyas Shipping & Logistics Ltd / Transworld Group	375
7	Building of ship	Ambuja Cements Limited	80
8	Building of 3 ships	Ocean Sparkle Limited	125
9	Building of ship	Polestar Maritime Limited	35
10	Ship Repair	Shreyas Shipping & Logistics Ltd / Transworld Group	200
11	Ship Repair	Shreyas Shipping & Logistics Ltd / Transworld Group	100
12	Ship Repair	Main Mast Marsec. Pvt. Ltd	31

13	Storing and blending High Speed Diesel (HSD) and Biodiesel and bunker facilities	Ambuja Cements Limited	1
14	towards reducing fuel consumption by adopting technologies of Battery/Electric (hybrid) propulsion in new building vessel	JSW Shipping & Logistics Private Limited	40
15	Employment related MoU	Carnival plc of Carnival House	429
16	Employment related MoU	Anglo-Eastern Ship Management (India) Pvt. Ltd.	3,038
17	Employment related MoU	Elegant Marine Service Pvt. Ltd.	1,996.30
18	Employment related MoU	ROHI Global Services Pvt. Ltd.	66.82
19	Employment related MoU	Main Mast Marsec. Pvt.Ltd	17.81
20	Employment related MoU	MSC Shipmanagement Ltd.	1,562.32
21	Employment related MoU	Synergy Maritime Recruitment Services Private Limited	3,616.50
22	Sponsorship for Masters' Degree Course for 1 candidate	JSW Shipping & Logistics Private Limited	0.145
23	Sponsorship for Masters' Degree Course for 2 candidate	Ocean Sparkle Limited	0.29
24	Sponsorship for Masters' Degree Course for 1 candidate	Hindustan Institute of Maritime Training	0.145
25	Sponsorship for Masters' Degree Course for 2 candidates	Seven Islands Shipping Ltd	0.29
26	Sponsorship for Masters' Degree Course for 1 candidate	Shreyas Shipping & Logistics Ltd / Transworld Group	0.145
27	Sponsorship for Masters' Degree Course for 1 candidate	Cochin Shipyard Limited, Kochi	0.145
28	Training Academy and Skill development facility	Rammurat Umarawati Memorial Charitable Trust (for Maritime Univ.)	500
29	Training Academy and Skill development facility	Carnival plc of Carnival House	NA
30	Training Academy and Skill development facility	Anglo-Eastern Maritime Academy	NA
31	Training Academy and Skill development facility	MSC Crewing Services Pvt. Ltd. India (Co-operation in academic)	NA
32	Training Academy and Skill development facility	Main Mast Marsec. Pvt. Ltd	51
33	Training Academy and Skill development facility	CMC Group of Institutions	28
34	Training Academy and Skill development facility	Hindustan Institute of Maritime Training (Rajasthan)	5
35	Training Academy and Skill development facility	Hindustan Institute of Maritime Training (Dubai/Sri Lanka)	15

36	Training Academy and Skill development facility	Hindustan Institute of Maritime Training – Tidel Park (Research & Simulator centre of Excellence)	5
37	Training Academy and Skill development facility	Hindustan Institute of Maritime Training – Tidel Park	9
38	Training Academy and Skill development facility	Helm Institute of Maritime Studies	30
39	Training Academy and Skill development facility	Marina Academy of Maritime Reserch Centre And Cheritable Trust (For Dredging Training)	1
40	Training Academy and Skill development facility	Hindustan Institute of Maritime Training (Vizag)	9
41	Training Academy and Skill development facility	Hindustan Institute of Maritime Training – Kalpakkam (Skill based Research Centre)	5
42	Training Academy and Skill development facility	VR Maritime Pvt. Ltd.	1.5
43	Training Academy and Skill development facility	Capt. Sanjay Prashar (MTI Himichal)	5
44	Training Academy and Skill development facility	Seven Islands Shipping Ltd.	75
45	Knowledge Cluster	Gujarat National Law University	-

<b>Dredging Corporation of India Limited</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	5 Years Sand Trap Dredging to avoid overflow into the navigational channel	Gangavaram Port	100
2	Refurbishment and upgradation of Dredgers	IHC, Holland	300
3	Dredger Dry Docking Repairs Works	Hindustan Shipyard Limited	500
4	To carry bathmetry Survey of all Ports (JV)	National Technology Centre for Ports, Waterways & Coasts, IIT Madras	220
5	3 Ports Green Field Port Development by AP Maritime Board	Andhra Pradesh Maritime Board	900

<b>Indian Maritime University</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Utilising Academic, Administrative and Infrastructure expertise of IMU for implementation in NINI, Patna.	Inland Waterways Authority of India	NA
2	Training Collaboration for the Pilots of V.O.C. PT.	V. O. Chidambaranar Port Trust	NA
3	Setting up of Simulator for TSHD & CSD	Dredging Corporation of India Lmited	100

Indian Ports Association			
S. No.	Name of Project/ MoU Brief	Name of Stakeholder(s)	Amount (INR Crore)
1	Training in the maritime sector	Gujarat Maritime University	NA
2	Develop Manpower training / education / other outreach activities for port officials	National Technology Centre for Ports, Waterways and Coasts	NA
3	Initiate Digitization and Data Analytical Operational Efficiency Improvement Measures at Major Ports in India	Port of Rotterdam	NA
4	Share best practices on handling and management of liquid commodities to achieve the highest levels of operational excellence	International Liquid Terminals Association	NA

Indian Port Rail & Ropeway Corporation Ltd.			
S. No.	Name of Project/ MoU Brief	Name of Stakeholder(s)	Amount (INR Crore)
1	Rail infrastructure Development	Coal India Limited	3036
2	Maintenance of Tracks	Central Coalfields Limited	23.69
3	Rail infrastructure & Logistics Plan	Vedanta Ltd.	300
4	Rail infrastructure & Logistics Plan	Vedanta Ltd.	350
5	Rail Connectivity to Multimodal Logistics Park	National Industrial Corridor Development Corporation Limited	150
6	Rail Connectivity to Multimodal Logistics Park	National Industrial Corridor Development Corporation Limited	400
7	DPR for Rewari Project	Dedicated Freight Corridor Corporation of India	435
8	Development of Rail Infrastructure	Triveni Earthmovers Pvt. Ltd.	100
9	Rail & road infrastructure	Tata Steel	200
10	Rail Connectivity	Essar Ports Ltd.	160
11	Rail and Road connectivity to PFT	Legacy Warehouse & Logistics Pvt. Ltd.	100
12	Rail connectivity to OPGPG thermal power plants	Green Power International Pvt. Ltd.	173
13	Development of Rail infra for BPCL's oil depot	Bharat Petroleum Corporation Limited	120
14	Consulting Services in Ports	Port of Antwerp International	100

15	Rail & road infrastructure for MMLP in Gujarat	Gujarat Port & Logistics Company Ltd.	NA
16	Rail & Road infrastructure	DP World (HPPL)	NA
17	Rail & Road infrastructure	Adani Logistics Ltd.	NA
18	Rail & Road infrastructure	JM Baxi Group	NA
19	Rail & Road infrastructure	JSW Infra Ltd.	NA
20	Rail & Road infrastructure	LPAI	NA
21	Rail infrastructure/upgradation	RINL	NA
22	Consultancy service for Rail & Road connectivity	GMB	NA
23	Training, awareness and preparation reports about PRT technology	Ultra PRT	3,000
24	Development of Ropeway	Infrastructure Development Corporation (Karnataka) Limited	225
25	Development of Ropeway	Madhya Pradesh Tourism Board	25
26	Smart mobility	Trimble Solutions India	3,100
27	Improvement in port efficiency	Umeandus Technologies India Pvt. Ltd.	100

<b>Inland Waterways Authority of India</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Rail Connectivity to MMT Sahibganj and Haldia MMT	Indian Port Rail & Ropeway Corporation Ltd.	90
3	MoU for Operation and Management of Ro-Ro Vessel M.V. Bhupen Hazarika	Commerce & Transport Department, Govt. of Odisha	NA
4	MoU for technical support on hydrological and river morphological issues involved in development of IWT in India	Central Water Commission	1.85
5	MOU for transfer of 1,287 Sq. m. area of land to Kochi Metro Rail Ltd. for establishing the passenger amenities & Jetty at Kakkanadu terminal in NW-3.	Kochi Metro Rail Ltd.	NA

<b>Jawaharlal Nehru Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Container terminal at Vadhavan Port	J M Baxi and Co.	10,500

2	Coastal and Shallow water berth cargo handling capacity enhancement	J M Baxi and Co.	300
3	Tank farm expansion	IMC Limited	10
4	Tank farm expansion	Sooraj Agro Mills India Pvt Ltd.	100
5	Liquid cargo facility expansion	Bharat Petroleum Corporation Limited	1440
6	Tank farm expansion	Ganesh Benzoplast	500
7	CT berth cargo handling infrastructure development	J M Baxi and Co.	900
8	Agri facility	National Institute of Industrial Engineering	300
9	Vadhavan Port Container Terminal	DP World	10,000
10	Enhancement of Container Terminal	DP World	900
11	Coastal and Shallow water berth cargo handling capacity enhancement	DP World	300
12	Digital solutions in EXIM logistics	CNB Logitech Pvt Ltd	100
13	DUKC-Dredge optimisation	OMC International	3
14	Maintenance dredging of marine channel	Dredging Corporation of India	750
15	Marine services (tugboats)	Ocean Sparkles Ltd	137
16	Environment monitoring	IIT Chennai	7
17	Storage tanks	Liberty Oil Mills Ltd	40
18	Pharma manufacturing in SEZ	SSG Pharma Pvt. Ltd.	100
19	Food processing	Simosis International Pvt Ltd	10
20	Manufacturing of Confectionary for export	Krish Food Industry India	15

21	Manufacturing of Confectionary for export	R K Sweet MARS	10
22	Manufacturing of Packaging material	R K Flexo	10
23	Manufacturing of Packaging material	Rudra Flexiplex	10
24	Manufacturing of Packaging material	Atar Mohd	10
25	Manufacturing of Packaging material	Safa Exports	20
26	Trading of raw material in perfume industry and allied products	Maharaja	10
27	Warehousing, storage and cargo handling services	Sarveshwar	20
28	Engineering repair services	OWS Warehouse Services LLP	5
29	Storage and warehouse services	OWS Warehouse Services Ltd	10
30	Warehousing, cold storage and data centre	Cineline India Ltd	300
31	Cold storage and warehousing services	JWR Logistic Pvt Ltd	350
32	Free Trade Warehousing Zone	DP World	110



Kamarajar Port Trust			
S. No.	Name of Project/ MoU Brief	Name of Stakeholder(s)	Amount (INR Crore)
1.	<u>Capital Dredging Phase IV(B):</u> Capital dredging for basin and channel to enhance the draft to 18.5 meter for handling bulk cargo in Capesize vessel and <u>Capital Dredging Phase V :</u> Capital Dredging for the berth construction of IOCL, MLT -2 and RORO cum GCB 2.	Dredging Corporation of India	900
2.	Northern Rail Connectivity for KPL	Indian Port Rail & Ropeway Corporation Limited	940
3.	Development of Energy Facilitation Centre	Indian Oil Corporation Limited	25
4.	Establishment of Large Format Retail outlets	Indian Oil Corporation Limited	15
5.	Developing Bunkering Terminal	Indian Oil Corporation Limited	25
6.	Laying LNG pipeline to connect to National Grid	Indian Oil Corporation Limited	5
7.	Laying petroleum products pipeline from ETTPL common manifold inside KPL to BPCL's coastal installation at Athipattu (9 kms)	Bharat Petroleum Corporation Limited	88
8.	Developing a railway siding for handling LPG & petroleum products from its MLT Terminal	Ennore Tank Terminal Private Limited	30
9.	Capacity building, research and development (R&D) and implementation, consultancy in the broad areas of dredging, Sensing, Marine Instrumentation & Communication Systems, Unmanned Vehicles, Coastal Engineering	National Technology Centre for Ports, Waterways and Coasts, IIT Madras	NA
10.	Handling of Containerised Chemical Coastal Cargo	Noma Infra	30
11.	Export of windmill equipment	NORDEX	360
12.	Export of Heavy vehicles for 10 years	Daimler India Commercial Vehicles Pvt Ltd	27
13.	Laying a common-user pipeline for carrying petroleum products from ETTPL MLT terminal to Manali area	IMC Ltd	100
14.	Develop a Railway siding for moving Petroleum products	Ennore Tank Terminals Private Limited	100

<b>Mormugao Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Development of Storage tanks of liquid & other products	Ganesh Benzoplast Ltd.	100
2	Development of Storage tanks for edible oil and chemicals	Friends Group of Companies	50
3	Business in Ferry & Water sports Services	Drishti Cruise & Ferries Services Pvt. Ltd.	50
4	Floating Cruise Commercial Jetty	Marine Tech	50
5	Cruise terminal O&M operation	Indigo Seaways Pvt. Ltd.	50
6	Break bulk cargoes. Business in multimodal Logistics	JBM Transmarine LLP	10
7	Maintenance of S&T and OHE/including modernization of rail related infrastructure for rail rope way	Indian Port Rail & Ropeway Corporation Limited	100
8	Consultancy for development of road/rail infrastructure for seamless, environment friendly road for cargo evacuation for rail rope way.	Indian Port Rail & Ropeway Corporation Limited	100
9	Bituminous Handling Terminal	Kotak Petroleum LLP	70
10	Warehouse Development	Nilkant Infratech Pvt. Ltd.	50
11	Marine Shipbuilding and Repairs	G T Shipyard	100
12	Consultancy Services for development of Port related activities	Aarvee Associate Architects Engineers & Consultants Pvt. Ltd.,	10
13	Development and Operation of cruise terminal	Nearshore Logitech Private Ltd	50
14	Development of cruise business and restaurant facility.	Sea Eagle Swapnagandha	50
15	Development of Ropeway from Vasco to Dona Paula	Indian Port Rail & Ropeway Corporation Limited & Ropeway Corporation Ltd., Mumbai.	100
16	Running business for facilitate the Ro-pax / Ro-Ro/Ferry services.	Indigo Seaways Pvt. Ltd.	50
17	Establishing Life guarding Security and safety of cruise.	Drishti Lifesaving Pvt. Ltd	50
18	Maintaining navigational channel regularly.	Maintenance Dredging	100
19	Setting up of LNG terminal for receipt, storage and dispatch facilities for LNG.	Think LNG Investments Pvt Limited	1,800
20	Setting up of LPG import terminal facilities for receipt, storage and dispatch of LPG	Liquidgaz Energy Pvt Ltd	500
21	Export of Granite blocks includes receipt of cargo through rakes, storage and loading onto the vessels for export	Marinelinks Shipping Agencies	25

22	This project has been initiated by IWAI to be executed by MPT along with Captain of Ports	Aatash Norcontrol Ltd.	80
23	Provision of Marine services	Ocean Sparkle Limited	68
24	Setting of floating dry dock in MPT	Konkan Maritime Cluster	150
25	Setting up a Flotel	Sea Eagle Cruises	52
26	Passenger vessel	Vijai Marine Services Pvt. Ltd.	10
27	Development of Ship building Yard	Marman Engg. & Shipbuilding Pvt. Ltd.	100

<b>Mumbai Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Rapid Mass Passenger and leisure and Harbour activity	Mumbai Harbor Cruise and water Metro	25
2	Ro-Pax Operations and allied activity	Gaurav Cruises Private Ltd.	25
3	Ro-Pax Operations and allied activity	Esquire Shipping & Trading Private Ltd.	100
4	Harbour Cruise Operations and allied activity	Akivan Aquamarine Services Private Ltd.	15
5	Additional facilities for ship repair business	Cochin Shipyard Limited	100
6	Rapid Water Transport	Infinity Harbour Services LLP	25
7	Development, Operation and Maintenance of Mumbai International Cruise Terminal at Indira Dock	International Cargo Terminals & Infrastructure Pvt. Ltd	200
8	Water Taxis and allied activity	West Coast Marine Yacht Services	50
9	Marina at Prince's Dock, Mumbai	West Coast Marine Yacht Services Pvt. Ltd.	360
10	Infrastructure and facilities	Mazgaon Dock Shipbuilders Limited	1,300
11	Oil Pipelines and Allied uses	Oil and Natural Gas Corporation	800
12	Setting up of Crude Oil Tankages at MoT	Bharat Petroleum Corporation Limited/ Hindustan Petroleum Corporation Limited	1,500
13	Home Port Operations for Cruise Ship	Cordella Cruises Waterways Leisure Tourism Pvt. Ltd.	3,000
14	Installation and Commissioning of Solar PV System	Solar Quest LLP	4.5
15	Development and Utilization of storage locations and receiving, storing, processing and distribution.	Indian Oil Corporation Limited	3,000

16	Development of Crude Oil and Petroleum Products (POL) related infrastructure	Hindustan Petroleum Corporation Limited	6,000
17	Infrastructure and Facility Management	Bharat Petroleum Corporation Limited	6,200
18	Pipelines, Storage Tanks, and cargo operations infrastructure	Aegis Logistics Ltd.	200
19	Ship and Logistics Operations	Indian Coast Guard	100
20	Development Cargo Terminals	JM Baxi & Co.	700
21	Dredging	Dredging Corporation of India	225
22	Port Railway Operation	Indian Port Rail & Ropeway Corporation Limited	50
23	Rationalization/up gradation of internal Railway yard of the Port. Takeover Operations & maintenance of the Yard.	Indian Port Rail & Ropeway Corporation Limited	100
24	Ropeway Project from Sewree to Elephanta Cave	Indian Port Rail & Ropeway Corporation Limited	700
25	Consultancy for development of modern warehousing and mechanized handling facilities for commodities like Cement	Indian Port Rail & Ropeway Corporation Limited	-
26	Cargo Operations	JSW Steel Ltd.	800
27	Setting up of Floating LNG Terminal in Mumbai Harbour	Shapoorji Pallonji Oil and Gas Pvt. Ltd	2,600

<b>New Mangalore Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Construction of Desalination Plant	Mangalore Refinery and Petrochemicals Limited	637
2	Laying of BS-VI HSD Pipeline from MRPL Refinery Premises to NMPT	Mangalore Refinery and Petrochemicals Limited	73
3	Cement bagging Plant	Adani Cements Ltd	133
4	Construction of warehouse and Container Freight Station.	Central Warehousing Corporation	100
5	Construction of tank farm/ renovation of the oil terminal	Indian Oil Corporation Limited	350
6	Maintenance Dredging	Dredging Corporation of India Limited	111
7	Construction of Cement Silo	Ultratech Cement Limited	13
8	Consultancy Services	National Institute of Technology Karnataka	--

<b>New Mangalore Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
9	Consultancy Services for Rail and Road Connectivity	Indian Port Rail & Ropeway Corporation Limited	
10	Leasing of Berth No 1 to Indian Coast Guard	India Coast Guard	NA
11	Leasing of land for storage of cargo.	Union Territory of Lakshadweep Authority	3
12	Mechanization of Berth No 14	JSW Infrastructure Limited	283
13	Expansion of Coal Terminal Berth No 16	JSW Infrastructure Limited	469
14	Liquid Cargo storage facility	MK Agrotech Pvt Ltd	25
15	Consultancy Services for construction of Berth No 17	National Technology Centre for Ports, Waterways and Coasts, IIT Madras	NA
16	Installation of 2 unloading arms and up gradation of pipelines	Hindustan Petroleum Corporation Limited	80
17	Installation of Tank Farms	AEGIS Logistics Limited	130
18	Supply and operation of Container Scanning machine	Smiths Detection	25

<b>Paradip Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	24 MMTPA Iron Ore Pellet Plant	Thriveni Earthmover Pvt. Ltd.	7,466
2	14 MMTPA Iron Ore Pellet Plant	Consortium of ESSAR Ports & Shipping Ltd.	6,325
3	4.6 MMTPA POL Terminal	Consortium of Orissa Stevedores Ltd.	3,011
4	8 MMTPA COIT Terminal	Numaligarh Refinery Ltd.	2,371
5	Capacity addition of AMNS Iron Ore Pellet Plant, Paradip	Arcelor Mittal Nippon Steel India Ltd.	1,527
6	Mechanization of EQ – 1, 2, 3 Berths at Paradip Port on BOT basis	Paradip East Quay Coal Terminal Private Limited	1,412.76

7	4 MMTPA Iron Ore Pellet Plant	Kudremukh Iron Ore Company Ltd.	900
8	Enhancement of throughput volume of Cargo	Jindal Steel & Power Ltd.	609
9	Development of New Iron Ore Berth for handling of Iron Ore exports at Paradip Port on BOT basis	JSW Paradip Terminal Private Ltd.	605.46
10	Development of New Coal Berth for handling Coal imports at Paradip Port on BOT basis	Kalinga International Coal Terminal Paradip Private Ltd.	585.31
11	Enhancement of throughput volume of Cargo	TATA Steel BSL Ltd.	583
12	Maintenance Dredging of 7 Million Cubic Meters	Dredging Corporation of India Limited	500
13	Consultancy Services for implementation of Rail Master Plan for Paradip Port	Indian Port Rail & Ropeway Corporation Limited	447.50
14	Development of Multimodal Logistic Park (MMLP)	Container Corporation of India Limited	230
15	Enhancement of throughput volume of Cargo	TATA Steel Ltd.	230
16	Construction of Road cum flyover (2 Nos.) to provide access to Mechanised Coal Handling Plant and connectivity from National Highway at Paradip Port.	Indian Port Rail & Ropeway Corporation Limited	132.60
17	IWT (River Mahanadi) movement of Gypsum through barges	1. Indian Farmers Fertiliser Cooperative Ltd. 2. Orissa Stevedores Ltd.	125
18	Operation and maintenance of MCHP	Chennai Radha Engineering Works Ltd.	117.40
19	Construction of additional Lane of 7mtr. width from terminal Junction Reservoir side to Dochhaki Junction.	Indian Port Rail & Ropeway Corporation Limited	27
20	Improvement/up-gradation works for the existing Port Rail Network	Indian Port Rail & Ropeway Corporation Limited	15.80
21	Management of Power distribution system	Power Trading Corporation of India Limited	11.60
22	Management and up-keeping of Railway tracks in PPT Yard	Indian Port Rail & Ropeway Corporation Limited	10
23	Operation and maintenance of PPT owned Locomotives	Rail India Technical and Economic Service Limited	4.50
24	Supervisory control and data acquisition (SCADA) Electrical distribution	ABB Power Product & System India Ltd.	4.18

25	Management and up-keeping of Signalling System with motorised points in PPT Yard	Indian Port Rail & Ropeway Corporation Limited	2.90
26	Management and up-keeping of OHE Infrastructure in PPT Yard	Indian Port Rail & Ropeway Corporation Limited	1.80

<b>Sagarmala Development Company Limited</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Ferry service from Mumbai to Goa with Stop enroute along various sea ports; Mumbai to Belapur	West Coast Marine Yacht Services	500
2	Ferry service from Karaikal, Puducherry District to Kankesanthurai (KKS), Jaffna (Sri Lanka)	Indsri Ferry Services Pvt. Ltd.	4
3	Passenger High Speed Vessel at Okha to Mandvi area Ro-Ro Vessel at Okha to Mandvi area	Priyadarshani River Cruises	15
4	Ferry service from Pipavav to Hazira and Pipavav to Mumbai	Indigo Sea Ways Pvt. Ltd.	300
5	Ferry service from: Cochin Port to Destination and back Cochin Port to High Sea and back; Cochin to Karwar and back Cochin to Adani Port, Vizhinjam and back	Tisha Navigation Pvt. Ltd.	30
6	Two container vessels from Vizhinjam to Cochin to Mangalore and Back	Tisha Ship Management Pvt. Ltd.	20
7	Mumbai to Goa	10 Lane Seaways Pvt. Ltd.	246.51
8	JNPT, Raigad District to Hazira, Surat District; JNPT, Raigad District, to Mundra, Kutch District; JNPT, Raigad district to Pipavav, Amreli District; Karaikal, Puducherry District to Jaffna (Srilanka); MBPT DCT, Mumbai to JNPT, Raigad District	Esquire Shipping and Trading Pvt. Ltd.	300

9	Vadinar to Mundra; Hazira to Pipavav; Hazira to Victors; JNPT to Any Port;	Ind Aust Maritime Pvt. Ltd.	100
10	JNPT to Ghogha for ROPAX; Hazira to Ghogha for ROPAX; JNPT to Gujarat for ROPAX	Angriya Sea Eagle Ltd.	150
11	Hazira to Okha; Hazira to Somnath Temple; Hazira to Diu; Hazira to Pipavav; Hazira to Dahej; Hazira to Mumbai/ JNPT; Hazira to Kochi; Dahej to Diu; Dahej to Ghogha; Dahej to JNPT; Dahej to Kochi; Mumbai to Mandvi; Mumbai to Goa; Okha to Mandvi; Okha to Mundra; Jamnagar to Mundra / Mandvi; Vizag to Chattogram; Paradeep to Chattoram; Kolkatta to Chattogram; Kochi to Sychelles; Kochi to Madagasar; Karaikal to Jaffna	Shreyas Shipping & Logistics Ltd.	350
12	Kandla to Mumbai to Mangalore for Ro-Ro, Ro-Pax; Hazira to Kochi for Ro-Ro, Ro-Pax; Dahej / Hazira to Diu to Veraval to Okha for Domestic Cruise	Om Freight Pvt. Ltd.	500



13	Okha to Mandvi/Mundra (Fast Passenger Ferry / Catamaran); Jamnagar to Mundra/Mandvi (Fast passenger Ferry / Catamaran); Hazira to Mahuva (Fast Passenger Ferry / Catamaran); Daman to Diu (Fast Passenger Ferry / Catamaran); Mumbai to Mandvi (Fast Passenger Cruise vessel)	Dwarka Kutchh Ferries & Tourism Pvt. Ltd.	250
14	Jamnagar to Mundra; Hazira to Pipavav; Hazira / Mumbai to Pipavav; Any other O-D as per demand;	Shree Krishna Stevedores Pvt. Ltd.	25
15	Jamnagar to Mundra (Container Vessel); Vadinar to Mundra (RO-RO Service)	Pushpak Logistics Solutions LLP	25
16	Victor Port to Hazira	Marine Bulk CargoMovers (Om Sai Navigations Pvt. Ltd.)	25
17	Paradip to Vizag to Kolkata to Chattogram to Pangaon; Jamnagar to Kandla	Samudera Bharat Feeder Private Limited (JM Baxi)	300
18	Hazira Port to Dahej Port (Coastal Domestic); Kolkata/ Haldia Port, West Bengal to Pangaon Port, Bangladesh (Coastal EXIM : Under Coastal Shipping agreement with Bangladesh); Paradip Port, Odisha to Chattogram Port, Bangladesh (Coastal EXIM : Under Coastal Shipping agreement with Bangladesh); Paradip Port, Odisha to Kolkata/ Haldia Port, West Bengal and Pangaon Port, Bangladesh (Coastal Domestic and Coastal EXIM : Under Coastal Shipping agreement with Bangladesh); Vizag Port, Andhra Pradesh to Chattogram Port, Bangladesh (Coastal EXIM : Under Coastal Shipping agreement with Bangladesh)	Adani Logistics Limited	590

19	Katupalli to Haldia; Katupalli to Kolkata; Katupalli to Paradip	Total Sea-Land Logistics Pvt Ltd	1
20	Sewagram UTCL Jettv to Maodella Port; Karaikal or Naqapatinam to KKS Port. Jaffna	GU Crude Carriers Pvt Ltd	30
21	Okha to Mandvi (Kutch); Mumbai to Mandvi (Kutch)	Kamdambur Kalamman Mariamman Enterprises (T. Singaravel)	15
22	Prefab warehouse area of 20 Lakh Sq Ft.	Araham Infratech	470
23	Cement Silos Cold/Refrigerated Storage Electronics Product Storage Pharmaceutical Storage Auto Spares Parts & Components Storage Any other suggested format of warehousing space - Agriculture Silos (Rice, pulses, etc.)	PDP International Pvt. Ltd.	20
24	Cement Silos Cold/Refrigerated Storage Electronics Product Storage Pharmaceutical Storage Auto Spares Parts & Components Storage Any other suggested format of warehousing space - Agriculture Silos (Rice, pulses, etc.)	PDP International Pvt. Ltd.	
25	Cement Silos Cold/Refrigerated Storage Electronics Product Storage Pharmaceutical Storage Auto Spares Parts & Components Storage Any other suggested format of warehousing space - Agriculture Silos (Rice, pulses, etc.)	Allied ICD Services Limited	4
26	Three Free Trade Warehousing Zones (Multi-Purpose Special Economic Zone); Multi Modal Industrial Park	NDR Infrastructure Pvt Ltd	2,354

27	Refrigerated Cargo (Frozen Seafood, Frozen Meat, Frozen Foods, Fresh Fruits & Vegetables); Auto Spare parts & Component Storage	Seashell Logistics Pvt Ltd	50
28	Three Private Non-Bonded & Bonded Warehouse for Handling Fertilizer, Foodgrain and Pulses – 3 MMTPA and Pulses – 3 MMTPA	International Cargo Terminals and Infrastructure Pvt Ltd (JM Baxi)	150
29	Open / Closed / Custom Bonded / Multi-Modal Logistic Park.	Malara Shipping Pvt. Ltd.	50
30	Multi Utility Warehouse : Temperature Control warehouse for storage of food / pharma Document Storage Industrial raw material and Engineering goods	Orient Marine Pvt. Ltd.	10.62
31	Mechanized warehouse for bulk storage	Leap India Food and Logistics Pvt. Ltd.	50
32	General Warehouse cum Temperature Controlled Warehouse	Balmer Lawrie & Co. Ltd.	350
33	Cold Storage / Dry Port Warehouse; Petro Chemicals/ Medicine	Smart Cargo Movers Pvt. Ltd.	500
34	Multiple Coastal Cargo Complexes	Pushpak Logistics Solutions LLP	60
35	Steel Stock Yard Hazardous commodity Storage; Liquid Tanker Farm; Multi Product Warehouse; Hazardous Commodity Storage; Cold Storage Multipurpose Warehouse; Multi purpose Warehouse; Liquid Tanker Farm; Hazardous Cargo Storage	Hind Terminals Private Limitd	250
36	Warehousing	Sunteck Property Holding Pvt Ltd	500
37	Grade 'A' PEB Structure Grade 'A' PEB Structure Grade 'A' PEB Structure	Katson 3PL Services Pvt. Ltd.	25
38	Coastal Cargo Complex	Nearshore Coastal Cargo Complex Private Limited	30

39	Multi Modal Logistics Park; Liquid Storage Terminal; Cold Storage Warehouse; Agricultural Warehouse	Rishi Kiran Logistics Pvt. Ltd.	370
40	LPG, Liquid (including chemicals and POL products)	Aegis Logistics Limited	120
41	Multi-Modal Logistics Park With Free Trade Warehousing Zone (Multipurpose Special Economic Zone)	Magnus Infrastructure Limited	200
42	Oil Jetty (2 nos.) for Liquid/ Gas products;	Vopak	400
43	Oil Jetty (3 nos.) and Storage Terminal for Liquid/ Gas Products and 200 acres back-up land	Vopak	1,000
44	Private Warehouse Distribution/ Fulfilment Centre	Ascendas Firstspace Development	300

Shipping Corporation of India			
S. No.	Name of Project/ MoU Brief	Name of Stakeholder(s)	Amount (INR Crore)
1	Co-operation in the field of Ship repairs which shall include undertaking dry docking repairs of various SCI owned and managed vessels at HSL for 5 years	Hindustan Shipyard Limited	200
2	The MOU is for operation and management of three cargo vessels of IWAI i.e. MV Rabindra Nath Tagore, MV Lal Bahadur Shastri and MV Homi Bhabha. As per MOU, three cargo vessels will be handed over by IWAI to ICSL on Bareboat charter for a period of 5 years. ICSL will establish scheduled liner services in National Waterways 1 (Kolkata to Varanasi). This is a historic MOU as this will provide big boost to Inland waterways sector as envisioned by Govt Of	IWAI (Inland Waterways Authority of India)	7.60

	India and Sagar Mala project. This will also lead to connectivity of Inland transport to coastal trade leading to huge growth in share of Inland transport. MOU has been signed on 22nd Jan'21 at Kolkata.		
3	Facilitate inland vessel operations in operational National Waterways.	IWAI (Inland Waterways Authority of India)	NA
4	Collaboration in acquiring data by installation of Met-Ocean Observing Systems onboard SCI vessels and dissemination thereof on non-exclusive basis to SCI for the operations of vessels for a period of 10 years	Indian National Centre for Ocean Information Services (INCOIS), Hyderabad	NA
5	Financing for Vessels acquisition and working capital	State Bank of India	2,000
6	Financing for Vessels acquisition and working capital	Bank of India	2,000
7	Financing for Vessels acquisition and working capital	Exim Bank	2,000
8	Mumbai to Vizag - Coastal Shipment from April to June 2021	Hindustan Petroleum Corporation Limited	50
9	Coastal Movement of Crude Oil	Mangalore Refinery and Petrochemicals Limited	50

<b>Syama Prasad Mookerjee Port</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Pilot project for Olefin Conversion of Haldia Petrochemicals Ltd.	Haldia Petrochemicals Limited	8,500
2	Installation of LNG receiving and re-gasification facility with a maximum capacity of about 5 MMTPA at Kukrahatti	Bengal Concession Private Limited	5,850
3	Setting up of LNG Terminal with Storage and Distribution Facilities.	Venerable LNG Pvt. Ltd.	1,600
4	Development of coal mobilization and evacuation through conveyor system	Haldia Petrochemicals Limited	800
5	Installation of Lube oil pipeline connectivity at Outer Terminal-II, Haldia	Haldia Petrochemicals Limited	600
6	Development of Storage facility and container yard	PDP International Pvt Ltd	22

7	Development of Tea Warehousing Facility and storage plant	Hindustan Unilever Ltd	600
8	Commercial Activities in synergy with SMP, Kolkata	Platinum Minmet	75
9	Development of Bulk Cement handling System	Penna Cement	300
10	Creation of agricultural produce packaging, warehousing and branding facilities	Tirupati Agri Trade Pvt. Ltd	132
11	Installation of manufacturing unit of benzene and other chemicals	Shree Shyam Inorganics Pvt. Ltd.	70
12	Maintenance Dredging at HDC basin using Grab Dredger for 5 Years	Gangadin Shaw & Associates	12
13	Asset monetization and cargo handling at common user facilities	Joshi Konoike Transport and Infrastructure Pvt. Ltd.	3
14	Improvement and inspection, measurement, parameter correction for Port Railway tracks	Indian Port Rail & Ropeway Corporation Limited	50
15	Development of extended gate of the Port at Dankuni	SFA Logistics Park	509
16	Development of rail service from ICD Siliguri to KDS	Pristine Logistics	90
17	Consultancy, training & Skill development related to structural rehabilitation of Heritage Buildings	National Council for Cement and Building Materials, Hyderabad	NA
18	Rail operations to promote inland and coastal cargo	Adani Group	10
19	Development of Barge Terminal at Balagarh	Sagarmala Development Company Limited	550
20	Movement of RORO LPG Barges through NW-1 / NW-2	Aegis	1,500
21	Cargo handling arrangement of 3.75 MMT of raw material for steel	Tata Steel Ltd.	600
22	Cargo handling arrangement of 1.25 MMT of iron ore	Rungta Mines Ltd.	550
23	Cargo handling of 3.00 MMT cargo for cement	Ramco Cement Ltd.	250
24	Ship repair of SMP Crafts i.e. tugs, pilot vessels, survey and despatch vessels	Cochin Shipyard Limited	100
25	Ship repair/shipbuilding operations & management of facility at 3 nos. Dry Dock of Kidderpore Dock	Garden Reach Shipbuilders & Engineers	300
26	Development of digital trucking solution	GoCon Logistics	NA
27	Creation of paperless business transactions	essDOCS	NA
28	Study for implementation of state of the art port technologies for the development of smart ports	Cisco	NA
29	Development of Amphibian technology in shipping	ITUS	50
30	Knowledge exchange and international trade promotion	ANZ India Business Chamber	NA

31	Promotion of regional connectivity to facilitate transit good movement to Tripura and North-east from Kolkata, Haldia using inland and coastal waterways	All Tripura Merchant Association	NA
32	Refurbishment/ Renovation of Paddle Steamer Bhopal for heritage showcase and commercial use	Eastern Navigation Pvt. Ltd.	10
33	Skill Development for marine & bridge Infrastructure	IIT Madras	NA
34	Improvement of draught with dredging	Dredging Corporation of India Limited	1,500
35	Development of Road Technology with Central Road Research Institute for Road Technology	Central Road Research Institute	NA
36	Cargo handling arrangement of 4.25 MMT of raw material of steel	Steel Authority of India Limited	675
37	Promotion and marketing activities for the development of inland water transport	Bharat Chambers of Commerce	NA

<b>Vishakhapatnam Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Allotment of land of 110 Acres for capacity expansion.	Hindustan Petroleum Corporation Limited	26,264
2	Allotment of Land 157 Acres of land for enhancing the present capacity of the palletisation plant.	AM/NS INDIA (J.V Between Arcelor Mittal and Nippon Steel Corporation)	600
3	Mechanisation of WQ 7 & 8	Indian Port Rail & Ropeway Corporation Limited	288
4	Construction of the Project for Development of Flyover Bridge from seahorse junction area to dock area of V.P.T (PMC)	Indian Port Rail & Ropeway Corporation Limited	240
5	Mechanisation of EQ 7 berth	Indian Port Rail & Ropeway Corporation Limited	200
6	Improving the capacity utilisation of OR-1 and OR-2 berths in Inner Harbour for up upgrading the facility to handle Panamax class tankers with a draft of 14.5 metres	ITD Cementation Ltd.	167
7	Handling of Cargo 4.5 MMT per annum for a period of 3 years	Steel Authority of India Limited	150

8	Sand trap dredging and beach nourishment at R.K Beach for 5 years	Dredging Corporation of India Limited	125
9	Development of Fishing Harbour	JD Fisheries (Govt. of A.P)	100
10	Allotment of 8.5 Acres for construction of Warehouse for cargo handling	Rain CII Carbon Vizag Limited	75
11	Road connectivity from outer harbour to port connectivity junction (B) at Vizag port (development of existing two-lane road to four lane road from East Break water to convent junction. (Approx. 3.70 Kms)	National Highways Authority of India	68.08
12	Allotment of 3.5 Acres for construction of warehouse for cargo handling	Sarat Chattergy & Company	60
13	End to End Logistics by Vizag Port for Coal handling of One million tonne for one year	Tamil Nadu Generation and Distribution Corporation	57
14	Allotment of 2.5 Acres for construction of warehouse for cargo handling	Sarat Chattergy & Company	40
15	Construction of grade separator from H-7 area to Port connectivity road bypassing convent junction	National Highways Authority of India	39.39
16	Installation and Operation of Harbour Mobile Crane for higher productivity	INTEGRAL	38
17	Installation and Operation of Harbour Mobile Crane for higher productivity	Orissa Stevedores Company	38
18	Construction of covered storage sheds	Sagarmala Development Company Limited	36.38
19	Up-gradation of Fire Fighting Facilities for OSTT Berth to accommodate Vessels of capacity 1,00,000 DWT and above (Cape size Vessels)	Hindustan Petroleum Corporation Limited	32
20	Allotment of 2.5 Acres for installing Gas Station	Andhra Pradesh Gas Distribution Company	30
21	Installation of scanners	Smith Detection (Asia Pacific) PTE Ltd.	29
22	Revamping of R&D yard for for a period of 1 year	East Coast Railways	28.40
23	Improvement of railway tracks and rectification of sharp curves of more than 10 degrees of Visakhapatnam Port Trust	East Coast Railways	26.97
24	Electrification of VPT Railway lines - 38TKM	Indian Port Rail & Ropeway Corporation Limited	22.57



25	Upgradation and maintenance of Railway tracks in Eastern sector	Indian Port Rail & Ropeway Corporation Limited	19.62
26	Revamping of R&D yard to Railway standards by providing RRI for R&D yard and panel interlocking for individual cabins at VPT	East Coast Railways	5

<b>V. O. Chidambaranar Port Trust</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Setting up of Petroleum Refinery and Petrochemical Complex and its associated storage and infrastructure at VOCPT	Southern Pearl Refinery and Petrochemicals Private Limited	20,000
2	Development of LNG Terminal and LNG Bunkering hub at VOC Port Tuticorin	LNG Alliance Pte Ltd.	2,468
3	Establish Submarine Telecommunications landing station and related information communication Technology services at VOCPT	INDOI LTD, Mauritius	1,814
4	Wind-Solar hybrid project at Port lands for captive consumption of electricity at VOCPT	Tamil Nadu Infrastructure Fund Management Corporation Limited	1,100
5	Expansion of liquid petroleum Gas Import and Storage Terminal at Tuticorin	SHV Energy Private Ltd	550
6	Wind Monitoring Study and wind power development at VOC Port	National Institute of Wind Energy	260
7	Development of tourism and water sports in VOC Port,Tuticorin	Frontier Shipping & Logistics	250
8	Building of new high-power tugs & port crafts for VOCPT and for carrying out dry docking and special repairs to flotillas of VOCPT	Cochin Shipyard Ltd	120
9	Establishment of Tuticorin Bulk Terminal for handling cement	Ultratech Cement Ltd	120
10	Refinery maintenance and revamping	Fortune Engineering & Energy Services FZCO (FEES)	72
11	construction of edible oil refinery facility in VOCPT	Kaleesuwari Refinery Pvt Ltd.	50
12	Feeder Ships connecting East and West Coast Ports of India	Global Logistics Solution (India) Pvt Ltd	50
13	Development of Energy facilitation centre and large Format retail outlet	India Oil Corporation Limited	50

14	To ship approx. 1000 blades & 700 towers	DSV Air and Sea Pvt. Ltd.	40
15	Storage and Processing of Coastal Agri Commodities	NAGA Limited	30
16	To develop Bitumen and pet coke Storage and Marketing facilities in VOCPT	India Oil Corporation Limited	30
17	Bunkering facilities at Tuticorin	India Oil Corporation Limited	30
18	To create liquid storage facilities to cater to various industries	Ganesh Benzoplast Ltd.	25
19	Coastal Ferry Service Kanyakumari – Tuticorin – Rameshwaram	Frontier Shipping & Logistics	25
20	Maintenance of Private siding for VOCPT (12.5 km) and upgradation and renewal of existing track from LC 11 to wharf	Indian Port Rail & Ropeway Corporation Limited	16.77
21	Installation and Commissioning of Rooftop Solar Power Plants	Tamil Nadu Energy Development Agency	12
22	Construction of Warehousing Facilities	KSE Limited	7
23	Priority berthing for TNPL coals vessels, without any additional charges	Tamilnadu Newsprint and Papers Limited	7
24	Construction of pulverizing Unit for fertilizer industry	Diyanah International FZW, UAE	5
25	Coastal movements of semi-finished M.S.Billets	Rangaraj Ispat Industries (P) Ltd.	3
26	To facilitate the vessel requirement at Kanyakumari Port limit	Frontier Shipping & Logistics	2.5
27	To Execute and implement Various Energy Efficiency Programs of EESL like, LED Street Lights National Program (SLNP), Buildings Energy Efficiency Program, Electric Vehicles, EV Charging Infrastructure, Smart metres & Trigenation etc. at VOCPT	Energy Efficiency Services Ltd	-

28	To design, prototype, test and deploy its floating WEC along the breakwaters of the port	AlphaMERS Ltd.	-
29	To revive Drydocking, Ship repairs and Boat building facilities in and around VOCPT.	Snow Shipping	-
30	To formulate facilities for the improvement of welfare activities for the seafarers visiting VOCPT.	The Indian Seafarers Welfare Organization	-
31	To formulate and Impart Training Programmes for the Officers & Employees of VOCPT.	Port of Antwerp & Port of Zeebrugge	-
32	Consultancy on Management of Power Distribution Business System, Modernization of Distribution Network, Optimization of power procurement cost, and harnessing the Renewable Energy Potential at VOCPT etc	PTC India Ltd.	-
33	Underwater communication and sensing networks; Acoustic sensors and signal mapping	IITM Pravartak Technologies Foundation (IITMP)	-
34	Dredging works in VOCPT	Dredging Corporation of India Limited	-
35	Promote capacity building, research and development and operational implementation, consultancy, in the broad areas of dredging, sensing, Marine instrumentation & communication systems, unmanned vehicles, offshore structures etc.,	IIT Madras	-
36	Capacity building, research, and development (R&D) of operation, Manning and maintenance of the VTS system.	IIT Madras	-

## State Government and its Agencies

<b>Andhra Pradesh Maritime Board</b>			
<b>S. No.</b>	<b>Name of Project/ MoU Brief</b>	<b>Name of Stakeholder(s)</b>	<b>Amount (INR Crore)</b>
1	Multi-purpose Deep Water Port at Kona Village, Thondangi Mandal	Kakinada Gateway Port Ltd	15,000
2	Development of LNG Terminal at Kakinada Deep Water Port	KSPL and ESPL	4,800
3	Development of multipurpose terminals and other ancillary facilities	Krishnapatnam Port Company Limited	3,000
4	Establishment of ship building yard and dry dock	GBS Infra Pvt Lts	2,500
5	Establishment of specialized cargo terminal at Gangavaram Port	Gangavaram Port Limited	2,000
6	Oil/ Chemical tank farm storage infra development work	Marati Storage Terminals Private Limited	120
7	Establishment of Shrimp processing plant in Kakinada Anchorage Port	KM Enterprises, Kakinada	25
8	Establishment of Rice warehouse and processing plant at Kakinada anchorage port	Sri Lalitha Enterprises (P) Ltd	25
9	Establishment of LPG gas bottling unit at Kakinada Anchorage Port, with future import facility	Tirumalesa Logistics, Kakinada	18