



Ministry of Ports, Shipping and Waterways  
Government of India



# COMPENDIUM OF INVESTIBLE PROJECTS



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# 1. Executive Summary

India plays a significant role in the global maritime industry with its 7500 km long coastline, a vast network of navigable waterways and around 240 ports, including 12 Major ports. The country's maritime sector performs a crucial role in its overall trade and growth, with 95% of the country's trade volume and 70% of the trade value being undertaken through maritime transport. About 90% of the traffic volume through Indian ports comprise of Petroleum, Oil, and Lubricants (POL), coal, iron ore and containers.

The cargo traffic through Indian ports has grown at a CAGR of 5.7% from 972 MTPA of cargo handled in FY14 to 1,282 MTPA handled in FY19. This is significantly higher when compared to the traffic growth of the world, which stood at a CAGR of 2.5% and of developing economies, which stood at CAGR of 2.9% for the same period. This growth has also translated into a 10.2% annual growth in the coastal cargo traffic through Major and non-Major ports. Apart from growth in cargo traffic, India has also witnessed a growth in cruise passengers and consequently tourism across coastal states. In order to meet the growing cargo traffic, the Ministry of Ports, Shipping and Waterways (MoPSW) has created a roadmap to enhance the capacity of the nation's sea ports to 3,300 MTPA by 2025.

The Ministry of Ports, Shipping and Waterways has developed a vision to enhance the various subsectors within the maritime ecosystem. For Ports, developing world class infrastructure, developing smart ports, reducing logistics cost, introducing legislative reforms and creating a safe & green maritime sector are key focus areas. For shipping, MoPSW is taking steps towards becoming *atmanirbhar* in ship building, ship repair and ship recycling, reforming shipping policies, enhancing India's global stature to become a maritime power and promoting world class maritime research, education and training. Additionally, for waterways, MoPSW has actioned promoting cargo movement on inland waterways and multi-modal transport, enhancing river cruise tourism and augmenting urban water transport systems on inland waterways.

The Government has recognised the importance of investments in the maritime sector to achieve its vision and propel India to the forefront of the Global Maritime Sector. To this end, several incentives have been provided to investors making the Indian maritime sector an attractive investment area most notable of which are up to 100% foreign direct investment allowed under automatic route for port development and ship building activities, and tax holiday of 10 consecutive years offered for infrastructure development in ports and inland waterways. Other incentives include port tariff discount offerings for coastal shipments, viability gap funding offerings for PPP projects, and special discounted rates for calling cruise vessels on Indian ports. MoPSW has also set up a dedicated Project Development Cell for extending support to investors. It is important to note that private investment in India in ports accounts for a considerable share of the total private participation in port infrastructure in South Asia.

The Maritime India Summit 2021, in its second edition, is an endeavour of the Ministry of Ports, Shipping & Waterways (MoPSW) to showcase the immense potential of the Indian Maritime sector for investment and growth. This project catalogue has been prepared to underline the various investment opportunities that exist in India, for investors all over the world and within the country.



A portfolio of 28 projects have been identified to be offered on Public Private Partnership (PPP) mode in the next five years. The expected investment in these projects is close to USD 2.8 billion. These PPP projects present a wide array of opportunities including mechanisation of existing berths, development of new berths, setting up of container terminals and development of jetties for handling liquid cargo. Since there is an expectation of growth in cargo traffic to 2,570 MTPA by FY30, there is a need to take active steps to bridge the expected capacity gap that may arise. These projects are envisaged to reduce the capacity gap and hence cater to the expected traffic growth.

#### Snapshot of projects in the Indian maritime sector

Sector/ Type of Project	No. of Projects	Potential Investment (USD Mn)
Port Infrastructure Development	112	25,689
Shipbuilding, Ship Repair and Ship Recycling	4	113
Inland Waterways Transport Infrastructure	57	3,600
Water aerodromes & Sea plane Infrastructure	30	96
Coastal Shipping, Hinterland Connectivity and Multi-Modal Logistics	45	697
Ro-Ro and Ro-Pax Projects	20	192
Port-led Industrialisation	2	160
Tourism Infrastructure	35	327
Lighthouse Tourism	46	32
Fishing Berths and Harbour	15	114
Fish Landing Centres	34	55
<b>Total</b>	<b>400</b>	<b>31,075</b>



## 2. Projects offered under Public-Private Partnership



# Syama Prasad Mookerjee Port Trust (erstwhile Kolkata Port Trust)

Kolkata Port (now renamed as Syama Prasad Mookerjee Port) is the gateway port to eastern India for the rest of the world. It comprises of two of two major facilities- Haldia Dock Complex (HDC) and Kolkata Dock System (KDS). The port also serves as the gateway port for other landlocked countries namely Nepal, Bhutan and Bangladesh

## Haldia Dock Complex

Located at the confluence of River Haldi and River Hooghly at about 130 km downstream of Kolkata, HDC primarily serves the hinterland comprising of steel plants such as SAIL, Tata Steel etc. It has all-weather access to hinterland by road (NH-116 & NH-16), rail and air. Cargo traffic has increased from 42.2 MTPA in FY 2017-18 to 45.2 MTPA in FY 2019-20.



# 1

## MECHANIZATION OF BERTH NO. 10



### Brief

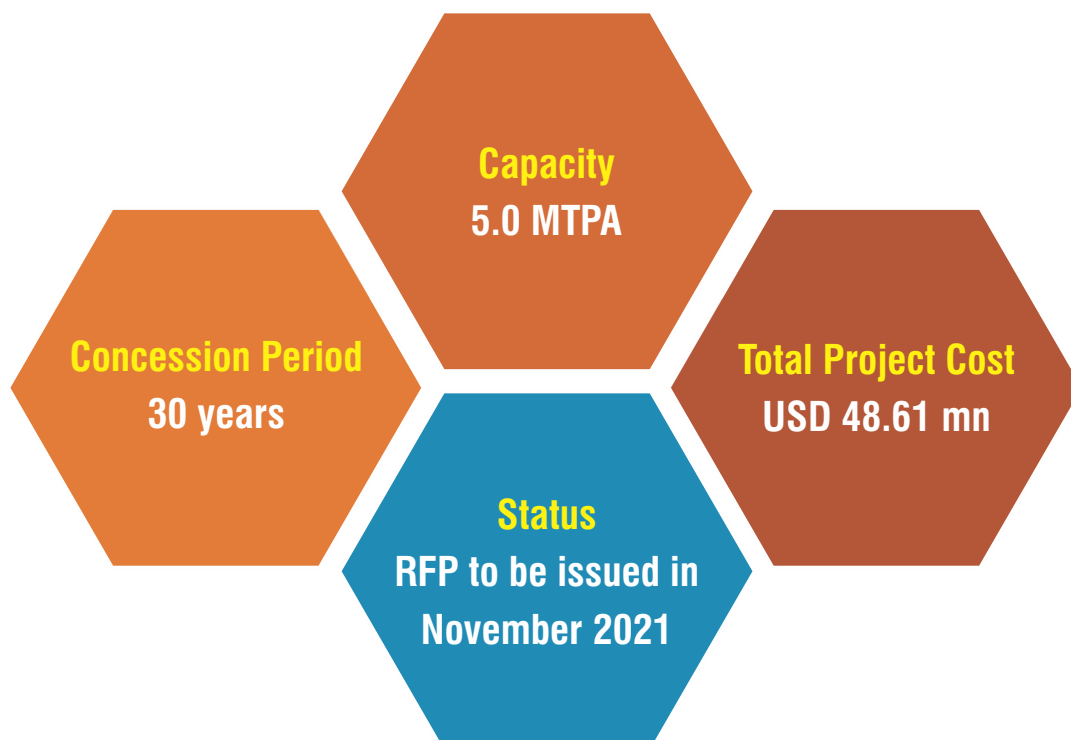
The berth will be mechanized by installation of mobile harbour crane which will feed to a new conveyor system and convey to yard. Stacker cum reclaimer will also be installed at storage yard and cargo will be evacuated by wagon through mechanized loading system. This mechanization will reduce the pollution due to handling of bulk cargo.

### Opportunity

The project is aimed at significantly improve the efficiency and hence improve turnaround time of the vessel leading to unfolding of new avenues of business development.



### Key Facts





# 2

## MECHANIZATION OF BERTH NO. 5



### Brief

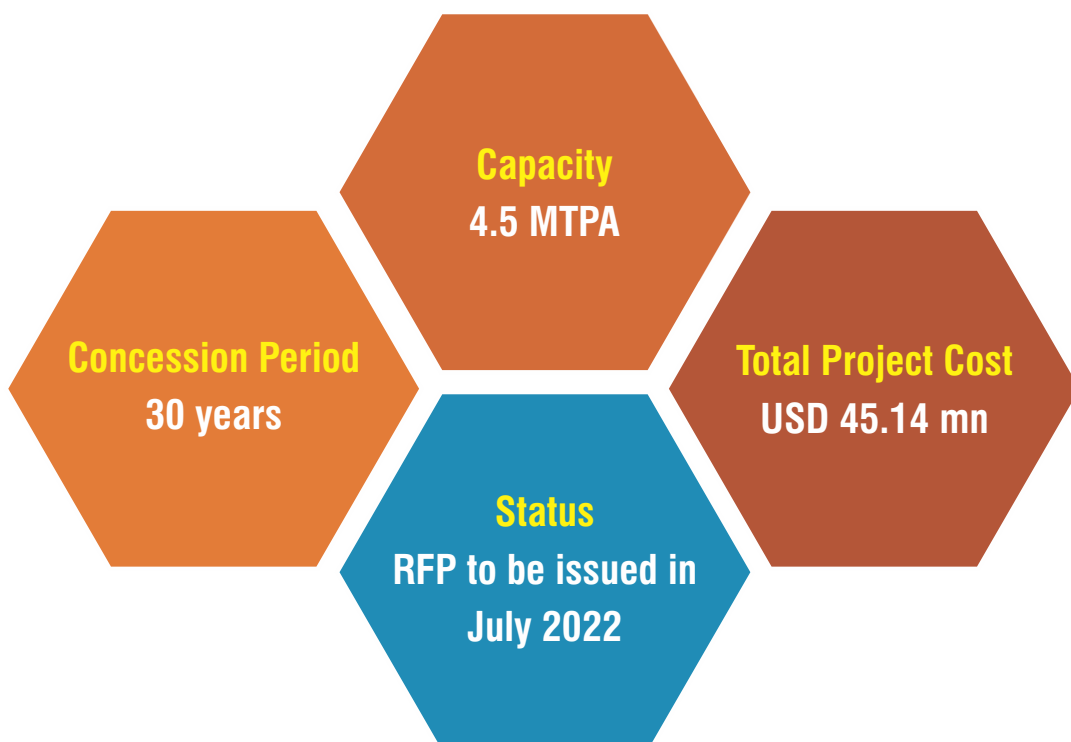
The berth will be mechanized by installation of mobile harbour crane which will feed to a new conveyor system and convey to yard. Stacker cum reclaimer will also be installed at storage yard and cargo will be evacuated by wagon through mechanized loading system. This mechanization will reduce the pollution due to handling of bulk cargo.

### Opportunity

The project is aimed at significantly improving the efficiency and hence improve turnaround time of the vessel leading to unfolding of new avenues of business development.



### Key Facts



# 3

## MECHANIZATION OF BERTH NO. 2 (ERSTWHILE BERTH NO. 3)



### Brief

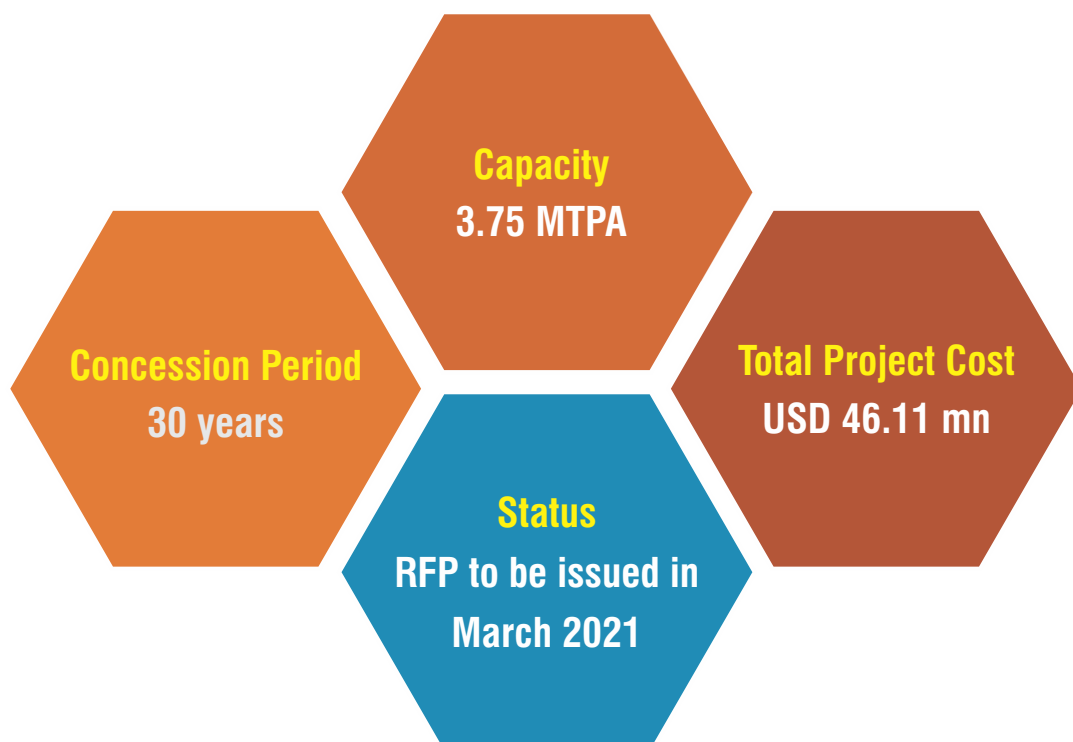
The berth will be mechanized by installation of mobile harbour crane which will feed to a new conveyor system and convey to yard. Stacker cum reclaimer will also be installed at storage yard and cargo will be evacuated by wagon through mechanized loading system. This mechanization will reduce the pollution due to handling of bulk cargo

### Opportunity

Capability to handle all types of dry bulk commodities including Coal, Coke, limestone, Iron ore, etc.



### Key Facts



# Kolkata Dock System (KDS)

KDS provides synergistic national and international linkages with air, road, railway and inland waterways. KDS is connected with NH-6, NH-2 and NH-34 through city roads. NH-41 connects Haldia with NH-6 and rest of the country. The port has a maximum draft of 13.7m





# 4

## MECHANIZATION OF BERTH NO. 4 & 5 AT NSD



### Brief

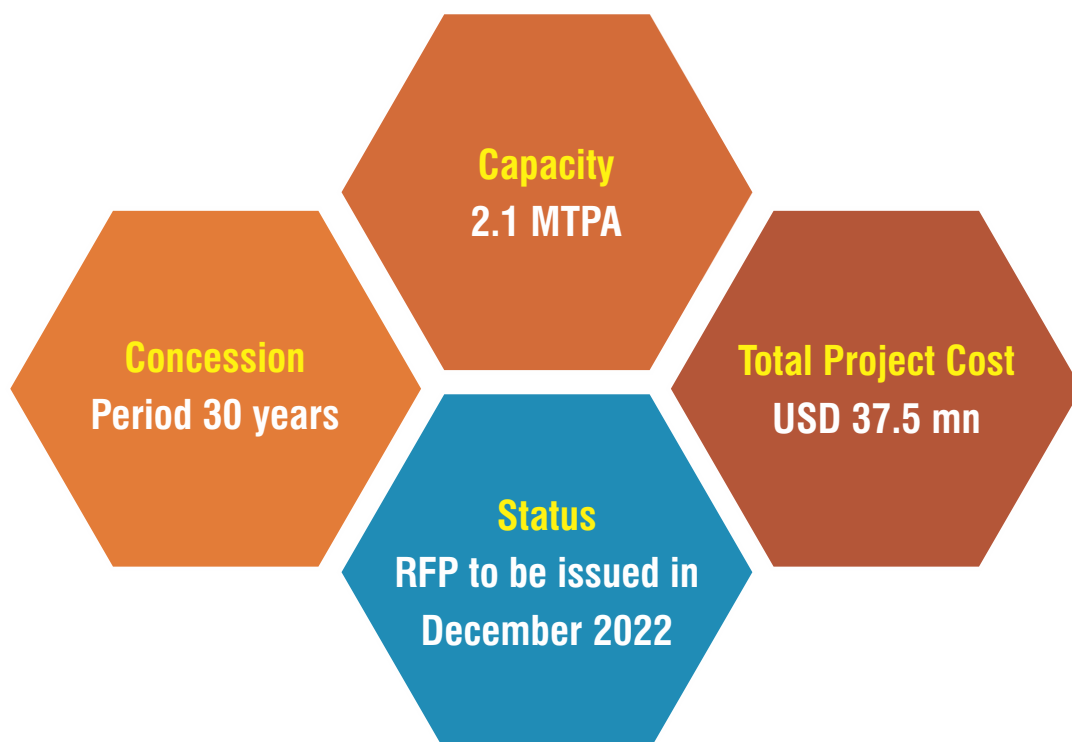
The existing berth will be refurbished for container handling. It will be equipped with modern Rail Mounted Quay Cranes (RMQC), latest yard handling equipment and implementing state of the art terminal operating system.

### Opportunity

The project is aimed at significantly improving the efficiency and hence improve turnaround time of the vessel leading to unfolding of new avenues of business development.



### Key Facts



# 5

## STRENGTHENING AND MECHANIZATION OF BERTH NO. 7, 8 NSD



### Brief

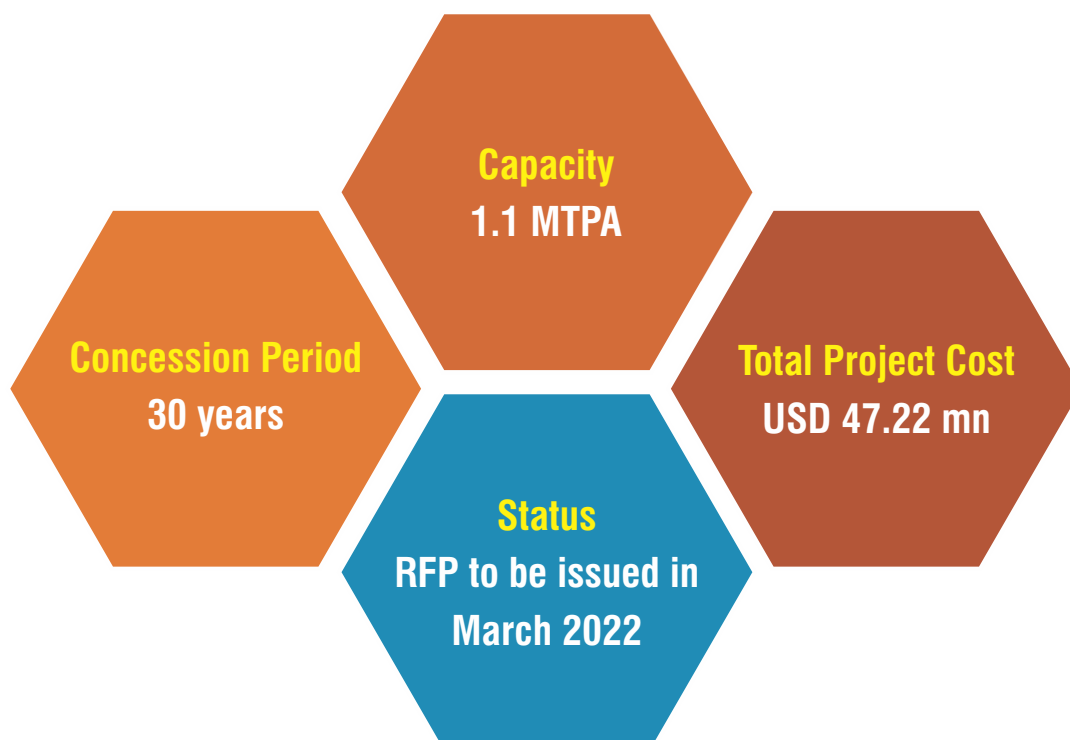
The existing berth will be refurbished for container handling. It will be equipped with modern Rail Mounted Quay Cranes (RMQC), latest yard handling equipment and implementing state of the art terminal operating system.

### Opportunity

The project is aimed at significantly improving the efficiency and hence improve turnaround time of the vessel leading to unfolding of new avenues of business development.



### Key Facts





# Paradip Port

Paradip Port has a strategic advantage being near Coal and Iron Ore mines with associated industries. The Port is connected with NH-5A and SH-12 & Broad-gauge electrified Railway system of the East-Coast Railway along with air connectivity. The port has a maximum draft of 17m. Cargo volume has increased from 109.30 MTPA in FY 2018-19 to 112.68 MTPA in FY 2019-20.





# 6

## OPTIMIZATION OF INNER HARBOUR FACILITIES



### Brief

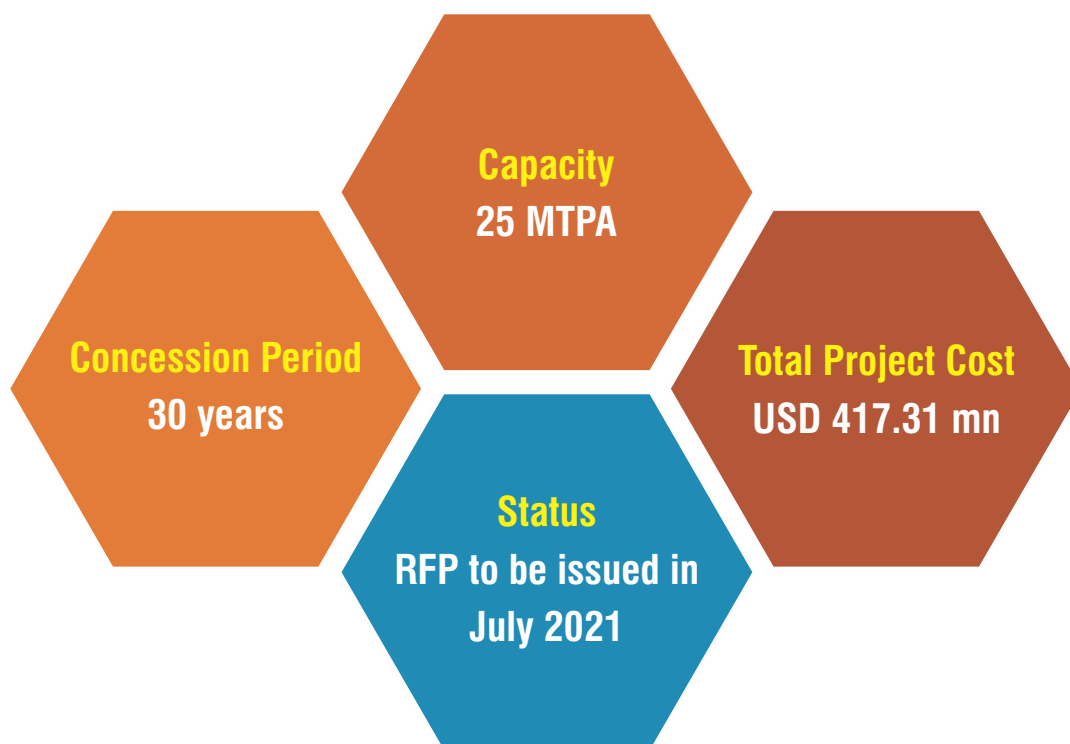
The proposed project envisages construction of Western Dock Basin with facilities to handle cape size vessels with an ultimate capacity of 25 MTPA in two phases. Each phase is expected to increase the capacity by 12.50 MTPA.

### Opportunity

The project is aimed to enable handling of cape size vessels with dock dimensions of 490m X 280m with berths on opposite arms dredged to 19.8 m. This will reduce the logistics cost and provide access to various Industrial Clusters in Odisha and adjoining states.



### Key Facts



# Visakhapatnam Port

Visakhapatnam Port is located almost midway between Kolkata and Chennai. The inner harbour is capable of handling Panamax vessels of draft up to 14.5m and outer harbour can handle vessels of draft up to 18.1m. The Port has excellent rail and road connectivity through the railway yards to the Chennai-Howrah main lines of East Coast Railway, National Highway – 16 and Air connectivity. The cargo volume has increased from 65.03 MTPA in FY 2018-19 to 72.7 MTPA in 2019-20



# 7

## MECHANIZATION OF EQ-7 BERTH



### Brief

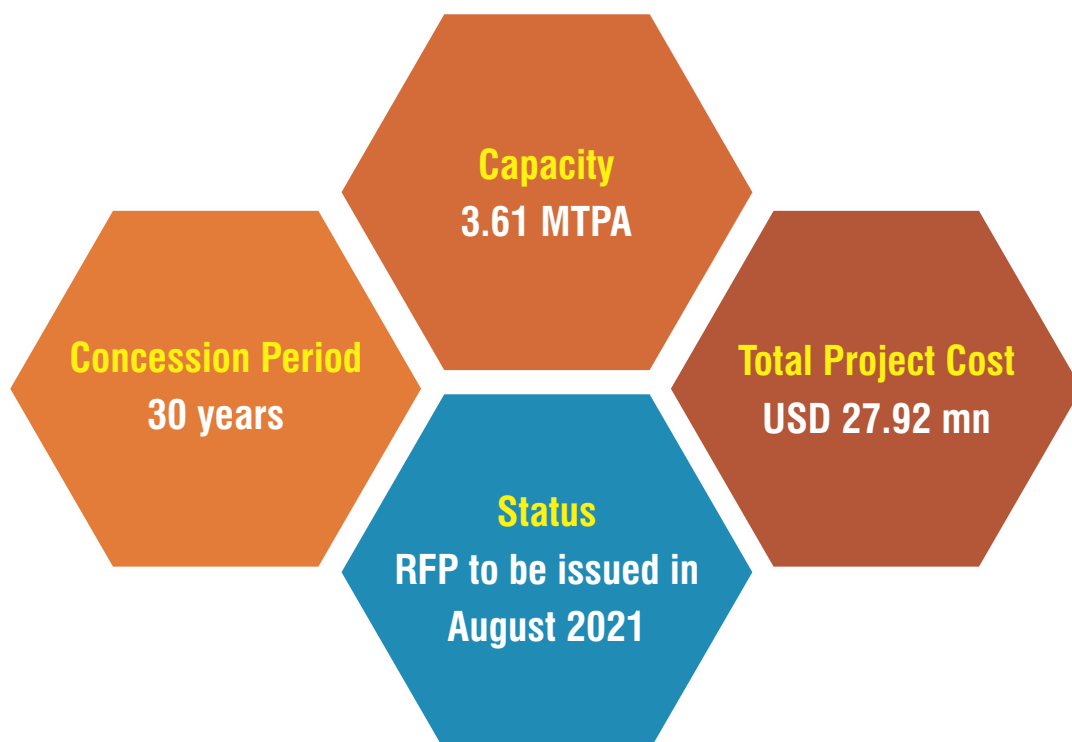
The existing fertilizer berth will be mechanized to enable handling of fertilizer through conveyors. It will then be packed into standard bags at baggage units and further loaded onto the rake for onward transportation. This mechanization will reduce the pollution due to handling of bulk cargo

### Opportunity

The project is expected to attract major industries such as RINL, SAIL, NMDC, MMTC, HSL, COROMANDEL FERTILIZERS, HPCL, RCL etc.



### Key Facts





## 8

## MECHANIZATION OF WQ 7 & 8 BERTHS



### Brief

The berth will be mechanized by installation of mobile harbour crane which will feed to a new conveyor system and convey to yard. Stacker cum reclaimer will also be installed at storage yard and cargo will be evacuated by wagon through mechanized loading system. This mechanization will reduce the pollution due to handling of bulk cargo

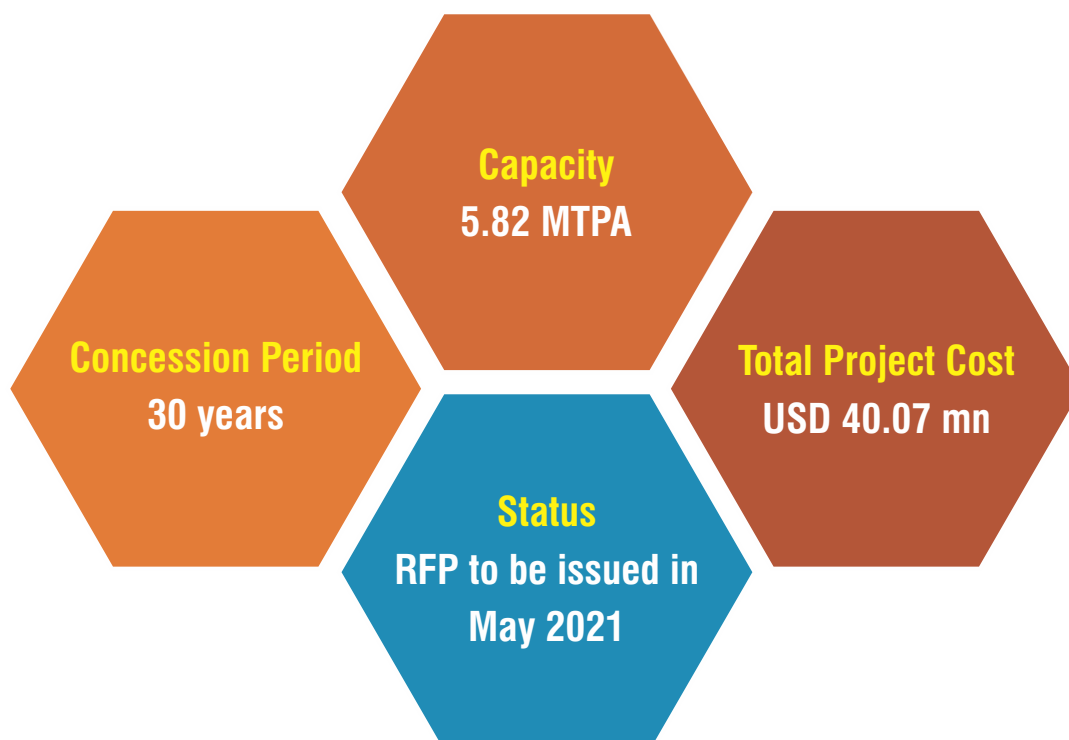
### Opportunity

Capability to handle all types of dry bulk commodities including steam coal, illuminate sand, bauxite, BF slag, Lime stone, Gypsum, Coking coal, ores other than Iron ore.

The project is expected to reduce the turnaround time of vessel thereby creating new avenues of business development.



### Key Facts



# 9

## MECHANIZATION OF EQ- 6 BERTH



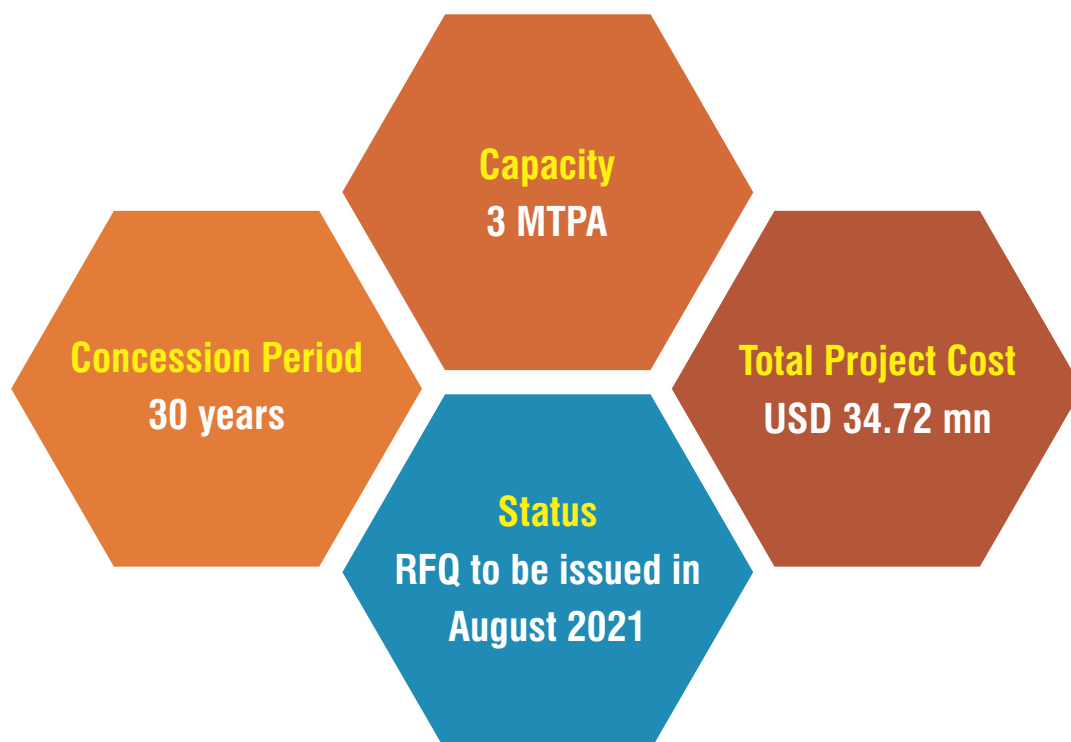
### Brief

The berth will be mechanized by installation of mobile harbour crane which will feed to a new conveyor system and convey to yard. Stacker cum reclaimer will also be installed at storage yard and cargo will be evacuated by wagon through mechanized loading system. This mechanization will reduce the pollution due to handling of bulk cargo

### Opportunity

The project is expected to reduce the turnaround time of vessel thereby creating new avenues of business development.

### Key Facts



# 10

## MECHANIZATION OF WQ- 6 BERTH

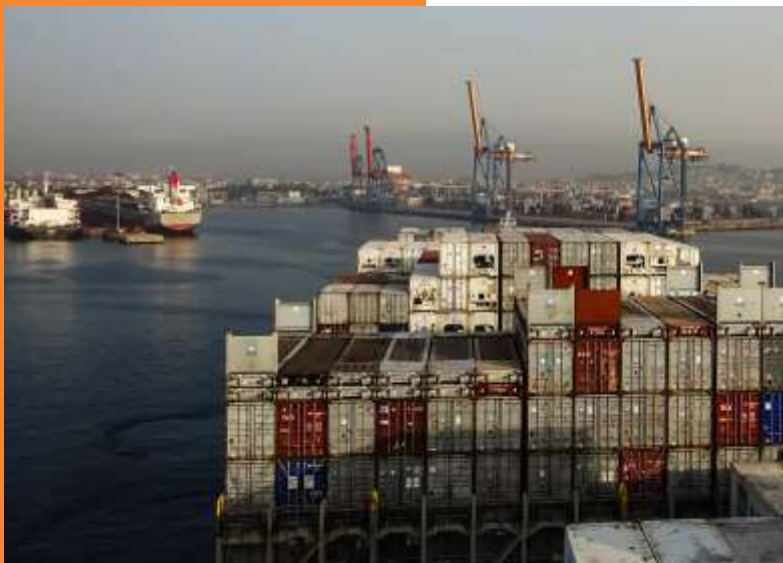


### Brief

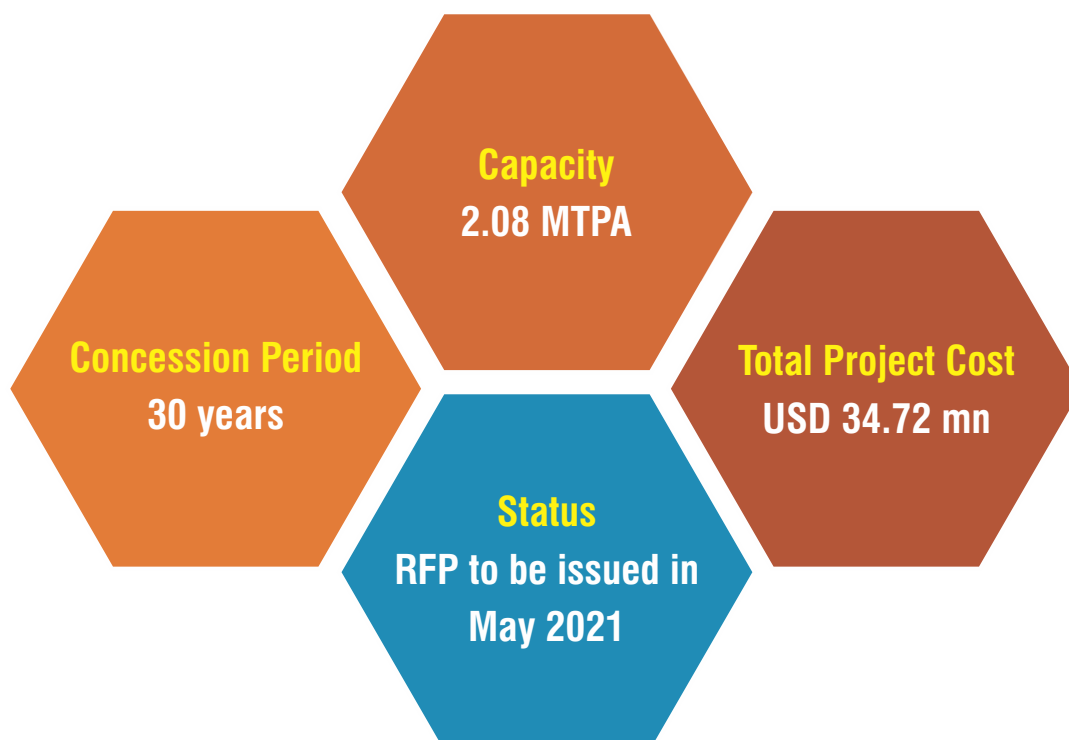
The berth will be mechanized by installation of mobile harbour crane which will feed to a new conveyor system and convey to yard. Stacker cum reclaimer will also be installed at storage yard and cargo will be evacuated by wagon through mechanized loading system. This mechanization will reduce the pollution due to handling of bulk cargo

### Opportunity

Capability to handle all types of multi cargoes including coke, steel, granite, coal, etc. The project is expected to reduce the turnaround time of vessel thereby creating new avenues of business development.



### Key Facts





# V.O. Chidambarnar Port

VoCPT is strategically close to the East-West International sea routes on the south eastern coast of India. The Port is well connected by road, rail and air through National Highways 45B & 7A, broad Gauge Railway linking south and is 20 km away from airport. The port has a maximum draft of 14.2 m. Cargo volume has increased from 34.3 MTPA in FY 2018-19 to 36.07 MTPA in FY 2019-20.



# 11

## DEVELOPMENT OF 9<sup>th</sup> BERTH AS A CONTAINER TERMINAL



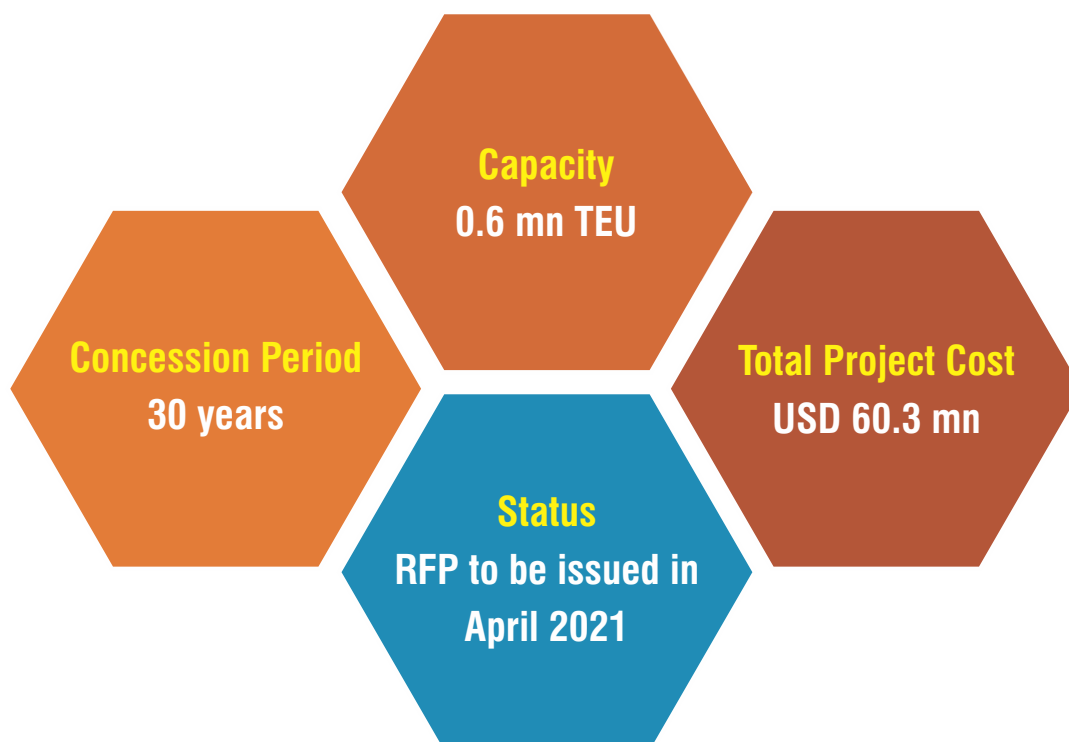
### Brief

The project consists of yard development, providing container handling equipment like Rail mounted Quay Cranes (RMQCs), Rubber Tyred Gantry Cranes (RTGCs), reach stacker tractor-trailers, IT systems, construction of terminal road and fencing and any other works for successful completion and operation of the terminal

### Opportunity

The new berth will provide opportunity to cater to cargo demands from the southern parts of the country.

### Key Facts



# 12

## MECHANIZATION OF NCB III FOR DRY BULK CARGOES



### Brief

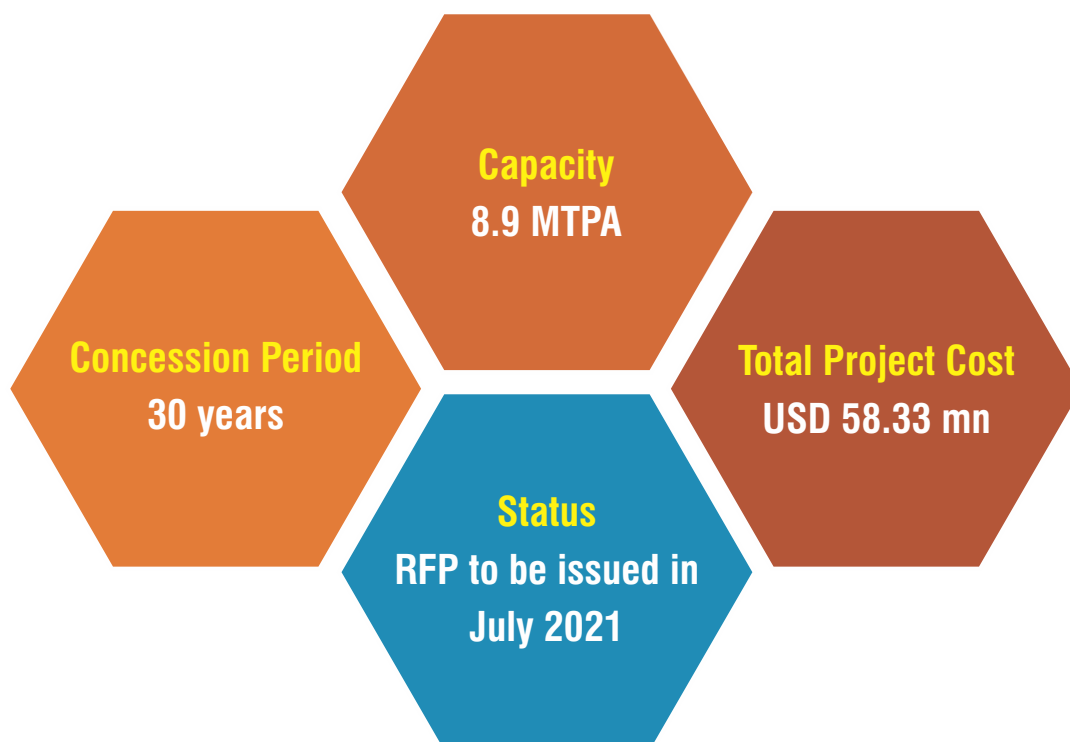
The berth will be improved and mechanized through capital dredging, stackyard development, provision of handling equipment like gantry type ship unloaders, conveying systems, stacker cum reclaimer, reclaimer, etc. This mechanization will reduce the pollution due to handling of bulk cargo

### Opportunity

Capability to handle all types of multi cargoes including coal/coke, copper concentrate, limestone, rock phosphate etc. It is envisaged that vessels of about 75,000 DWT capacity can be handled at this berth. The project is expected to reduce the turnaround time of vessel thereby creating new avenues of business development.



### Key Facts





# 13

## UPGRADATION AND MECHANIZATION OF BERTH NO.1,2,3 & 4



### Brief

The project include dredging in front of berths 1 to 4 and channel dredging to handle 15.5m draught vessels.

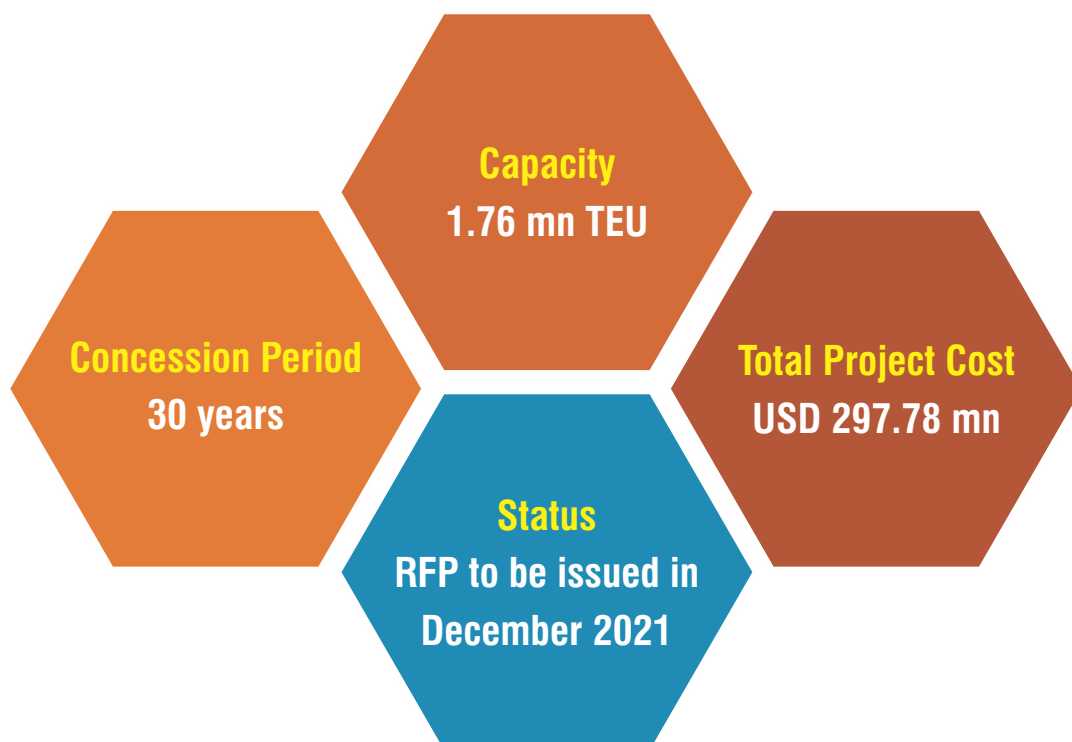
The dredged materials obtained during dredging will be reclaimed behind the berths for creation of Back up Yard. Construction of breakwater is a part of the project for reclaiming the dredged materials and development of Back-Up Yard. Further, it is proposed to mechanize the Berths 1 to 4 for handling containers

### Opportunity

The project proposes addition of container handling capacity and ability to handle large size vessels.



### Key Facts



# New Mangalore Port Trust

New Mangalore Port is well connected to the hinterland via road through 3 national highways (NH-50, NH-66 & NH-75), and via rail and air network to neighbouring states like Maharashtra, Kerala and Tamil Nadu. NMPT has a maximum draft of 14 m. Cargo volume has increased from 42.05 MTPA in FY 2017-18 to 42.5 MTPA in FY 2018-19



14

## UPGRADATION OF BERTH NO. 9



### Brief

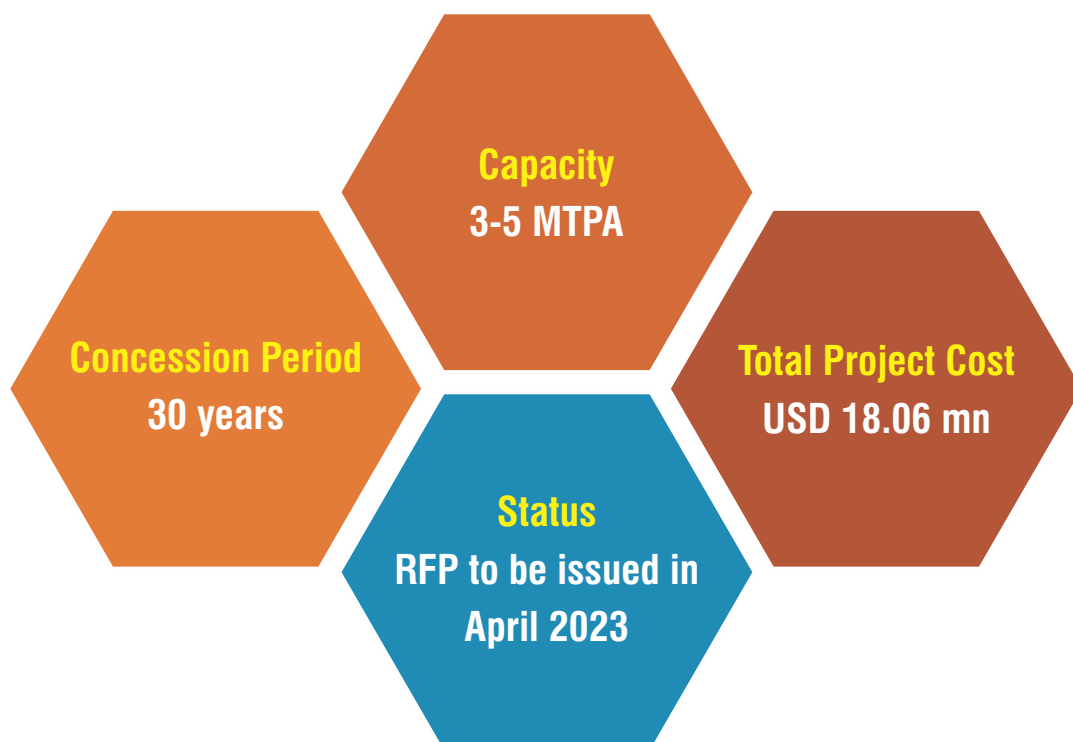
The project envisages upgradation of the facilities at berth No.9 by provision of high capacity marine unloading arms, strengthening of the berth, deepening of the draft to 14 mtrs by dredging and Improving the pipeline connectivity to enhance the output and capacity utilization.

### Opportunity

The project will enable larger vessels to be handled and enhance the liquid cargo handling capacity.



### Key Facts





# Mormugao Port

Mormugao Port is a well-established natural harbour. It is an all-weather port with breakwater facilities available and 14.10m draft. It has excellent road, air and rail connectivity through NH-66, NH-366, NH-748 & SWR and Konkan Railways. It has full-fledged inland waterways connectivity through 6 National Waterways (NW-68, 111, 25, 27, 71 & 88). Ferry services are operating at various points in all the interconnecting rivers.





# 15

## DEVELOPMENT OF **MULTI CARGO BERTH NO. 9 AND 3 BARGE JETTIES** ALONG WITH ADJACENT BACKUP AREA



### Brief

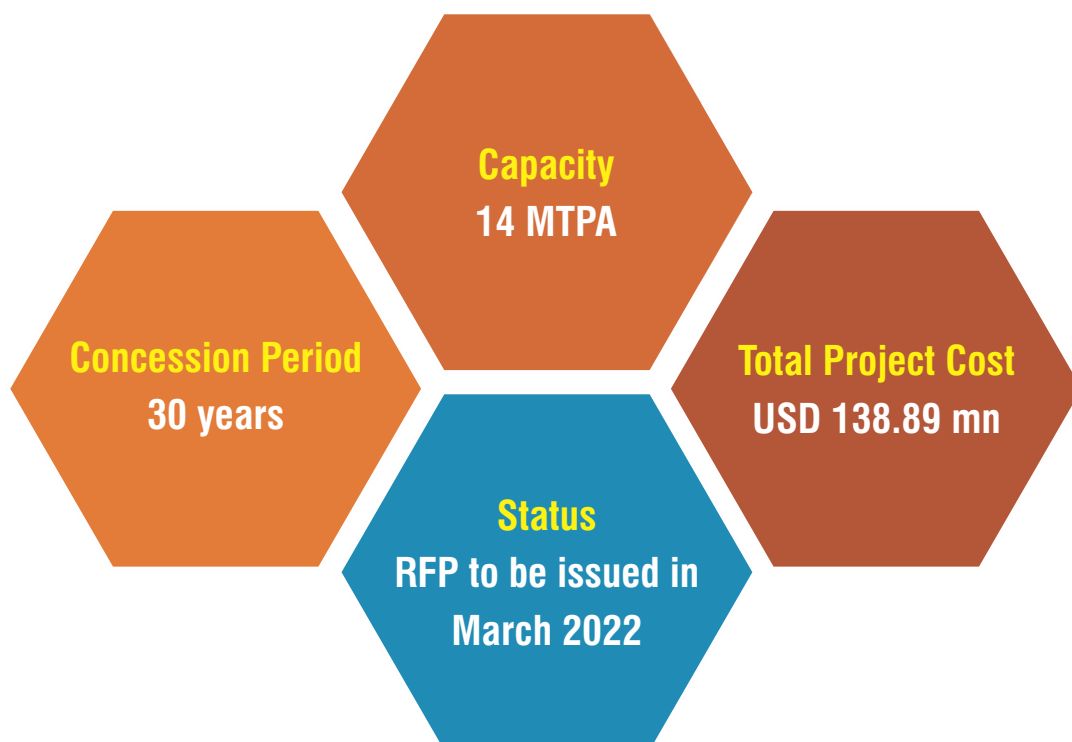
The proposed project envisages development of a general cargo berth with the required flexibility and usage. The proposed project has a backup area of around 33 acres, with 8 railway lines also being available for future evacuation of cargo through railat port railway yard.

### Opportunity

After completion of railway line doubling, major cargo from the port can move through rail to hinterland thereby reducing road traffic and reducing logistics cost.



### Key Facts



# 16

### OPERATION/ MAINTENANCE OF EXISTING **GENERAL CARGO** **BERTH NO. 10 & 11** ALONG WITH ADJACENT STORAGE AREA AND **3 WAREHOUSES**



#### Brief

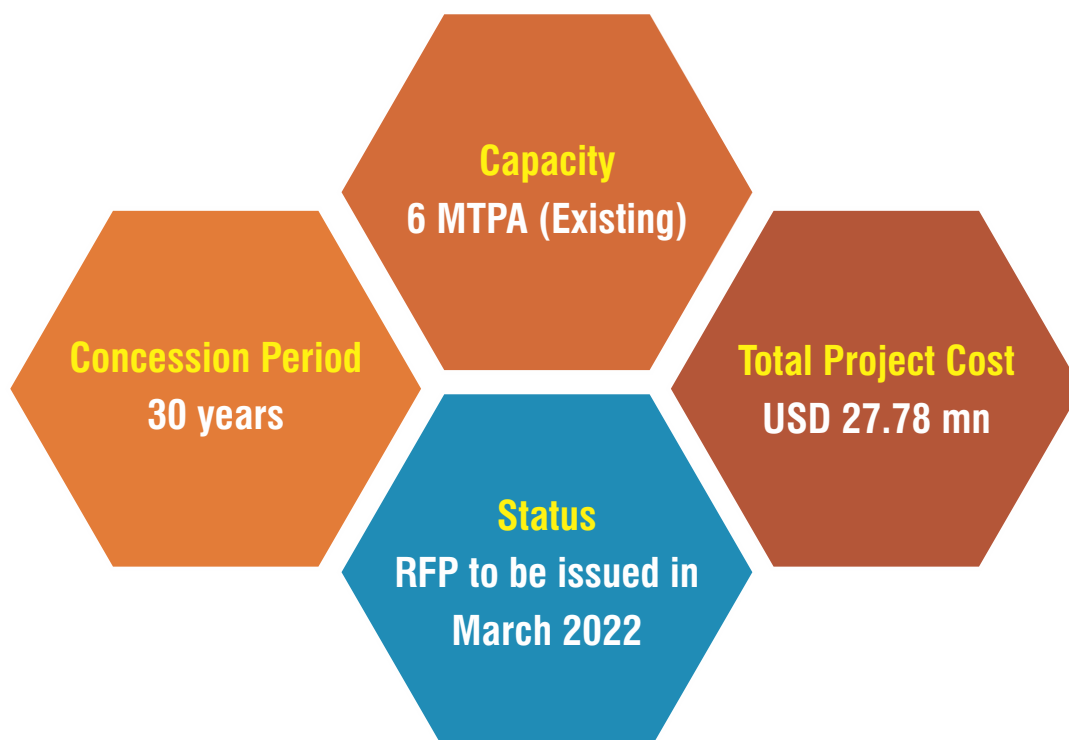
The proposed project envisages a general cargo berth along with cargo storage area and 3 warehouses to be awarded on O&M basis. The Port has invested for road widening project, that is anticipated to be completed by 2022 and will further invest for internal road development, development of railway yards and development of inland waterways depending on requirements of trade.

#### Opportunity

The Port can also take up deepening of channel, in case deepening of channel is required in future. Cargo handling operations of the Port will get a boost due to upgraded equipment.



#### Key Facts





## DEVELOPMENT OF INTERNATIONAL AND DOMESTIC CRUISE TERMINAL AND ALLIED FACILITIES



### Brief

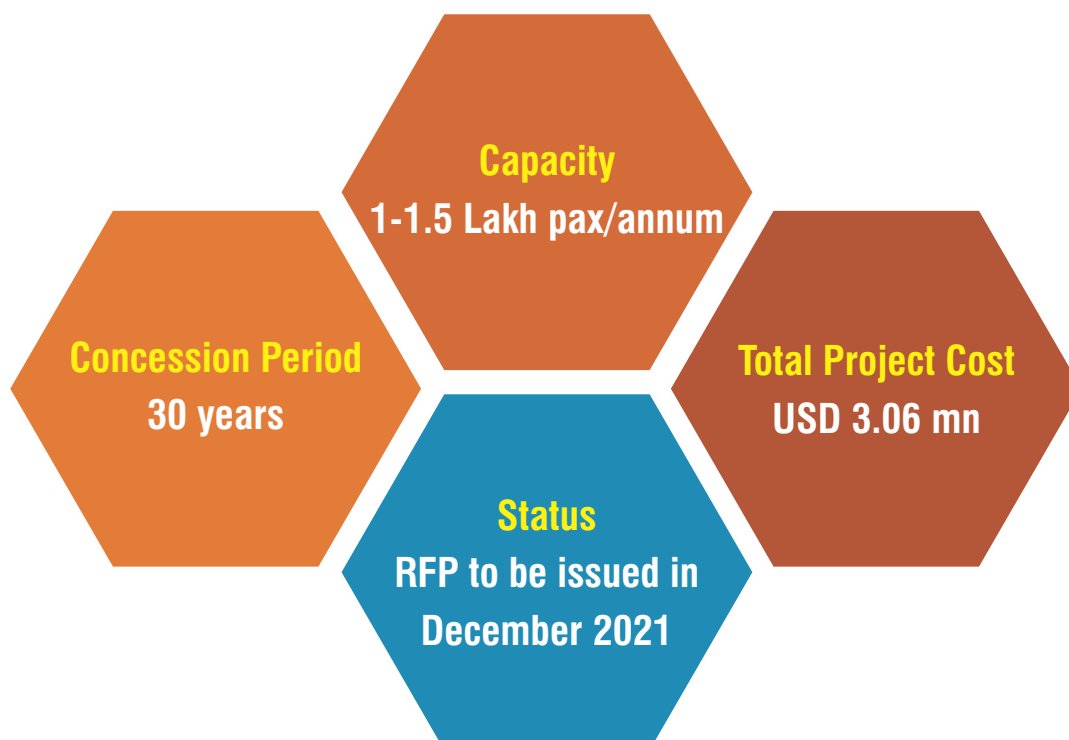
The project envisages creation of facilities to handle international as well as domestic cruise vessels. Mormugao port will be responsible for developing the project facilities and the project will thereafter be awarded on O&M basis.

### Opportunity

The project is expected to attract a lot of international and domestic tourists thereby creating avenues for allied business activities.



### Key Facts



# JNPT

JNPT is India's largest container handling port and accounts for more than half of the container cargo handled in the country. The Port is connected to the hinterland via road through national highways (NH 348A, NH4, NH17, NH 3 & NH 8). The port has a very good rail and air connectivity. Port has a maximum draft of 16.2 m. Cargo volume has increased from 66.0 MTPA in FY 2017-18 to 70.7 MTPA in FY 2018-19





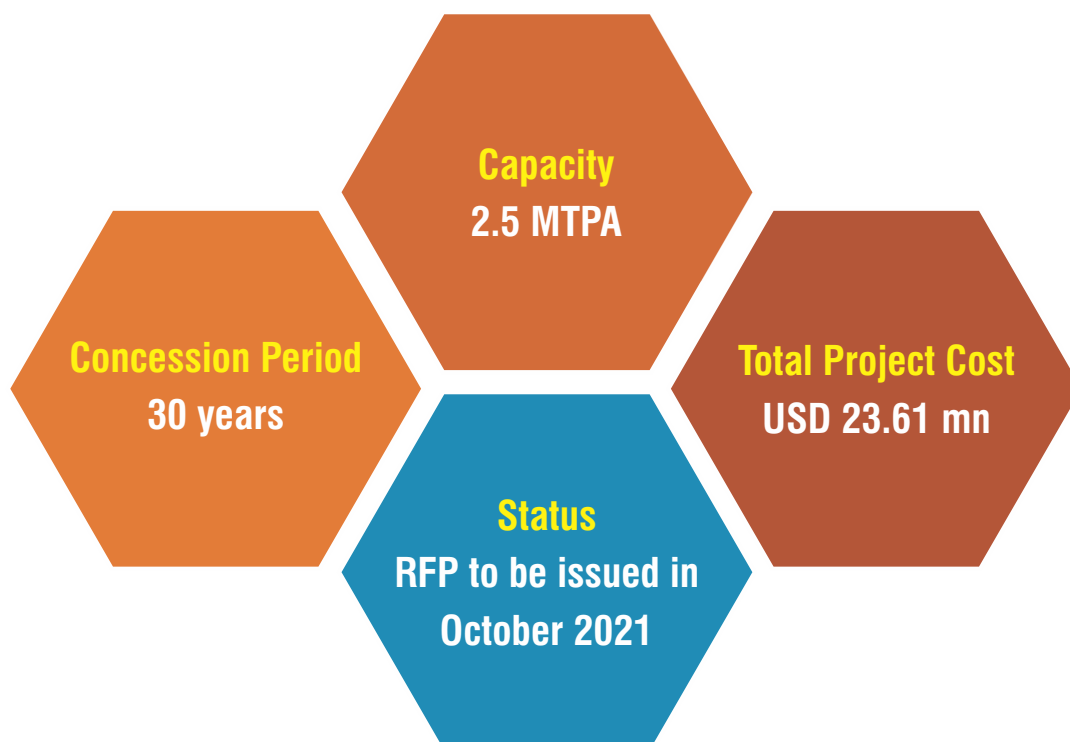
## 18

CONSTRUCTION OF  
COASTAL BERTH**Brief**

The project envisages construction of a coastal berth with quay of 250 m which will handle vessels of up to 25,000 DWT along with creation of dedicated storage and handling facilities for coastal cargo spread across approximately 11.5 Ha area. JNPT will be responsible for developing the project facilities and the project will thereafter be awarded on O&M basis.

**Opportunity**

The coastal berth will cater to movement of cement and edible oil under the new policy in which a green channel is provided outside custom bounded area to enable seamless evacuation.

**Key Facts**



## 19

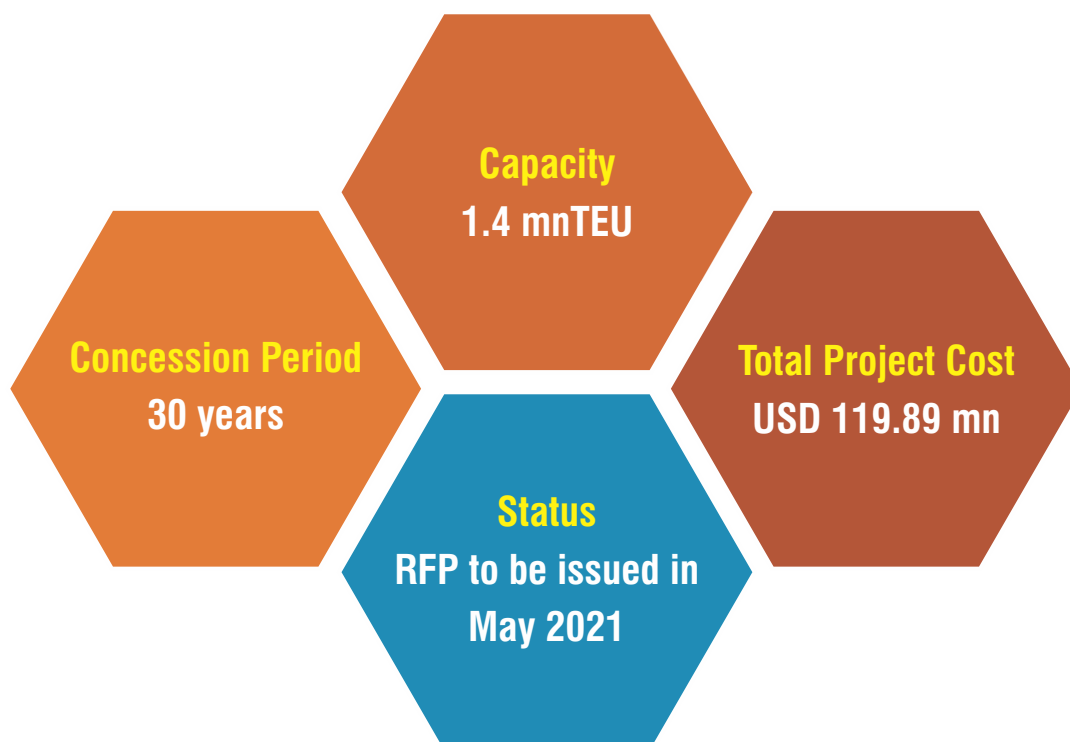
## CONTAINER TERMINAL

**Brief**

The project envisages upgradation, operation and maintenance of existing container Terminal at JNPT by adding RMQCs along with civil work. The project will be developed in two phases depending on the traffic growth.

**Opportunity**

The project is expected to reduce the turnaround time of vessel and create efficiencies thereby creating new avenues of business development. The project has ready available cargo from its existing operations.

**Key Facts**

## DEVELOPMENT OF ADDITIONAL LIQUID CARGO JETTY



### Brief

The project envisages development of twin type liquid jetty arrangement to cater to future traffic demand at JNPT for liquid cargo on O&M basis

The O&M operator would require installing the following for the smooth operations of the project:

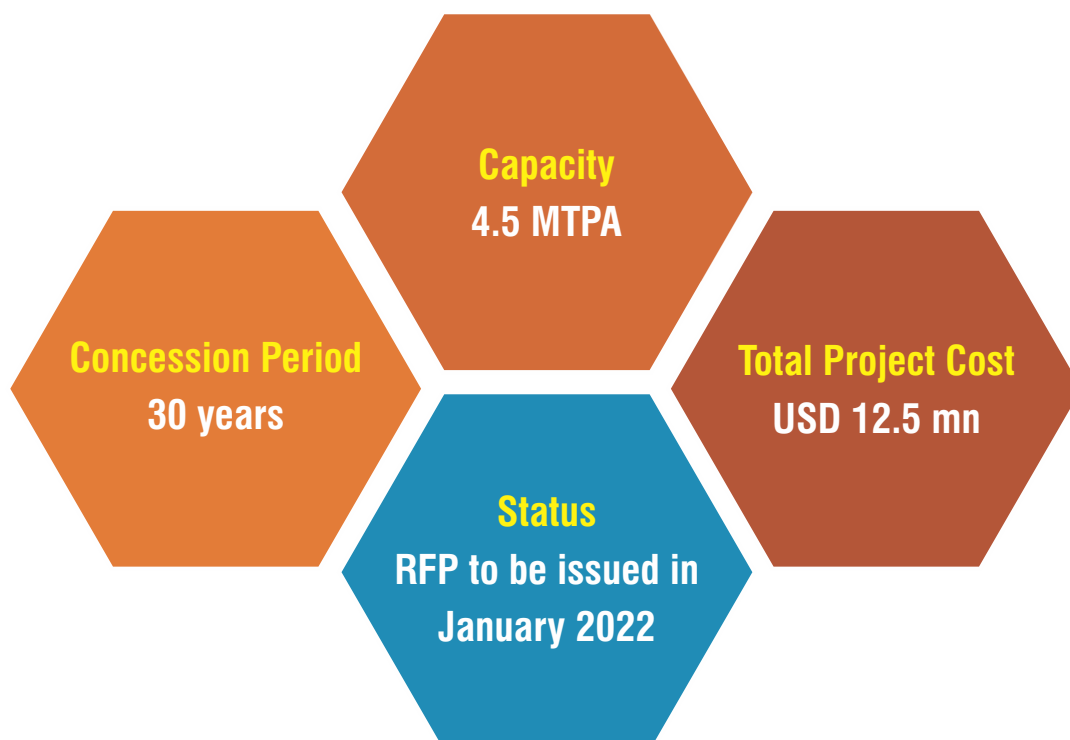
- Marine Loading Arms
- Slop Tanks
- Pipelines Connectivity to Existing Berth (except Firefighting and potable water supply)
- Instrumentation & controls.

### Opportunity

The project is expected to enable efficient handling of liquid cargo thereby resulting in faster turnaround of vessels. This in turn will generate additional cargo handling capacity.



### Key Facts



# Deendayal Port

Deendayal Port Trust is the nearest Major Port for most of northern India. DPT has facilities of Common Road, Navigational channel, Source of Water & Power supply, navigation & berthing of vessels at Jetties. It has Railway Facility available in the near existing tank farms with roads connecting to NH 48A. It also has available air connectivity. Port has a maximum draft of 15m. The cargo volume has increased from 115.4 MTPA in FY 2018-19 to 122.6 MTPA in FY 2019-20.





# 21

## DEVELOPMENT, OPERATION AND MAINTENANCE OF OIL JETTY NO. 9 AT OLD KANDLA



### Brief

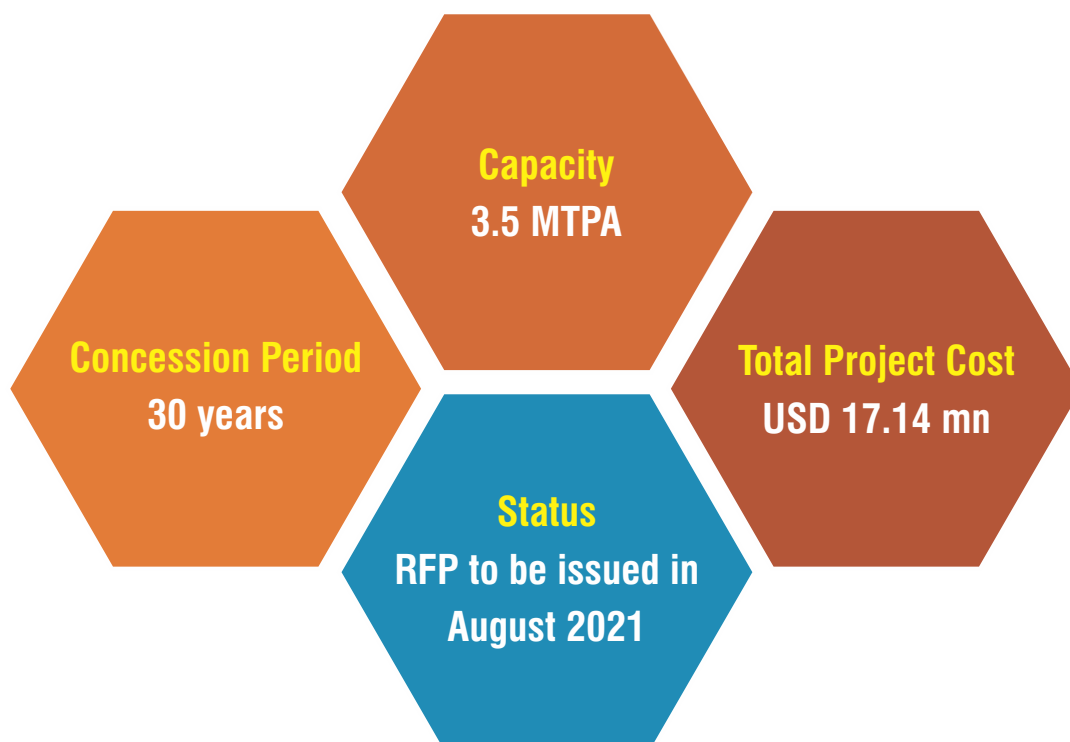
The project envisages the construction of T-shaped offshore berthing structure to cater vessels for handling of all type of liquid cargo and barges to handle bunkers. It also includes the construction of associate facilities for handling liquid cargo up to Land Fall Point (LFP).

### Opportunity

Beyond the proposed LFP, the concessionaire may facilitate existing tank farms to connect their respective pipelines.



### Key Facts



# 22

## DEVELOPMENT, OPERATION AND MAINTENANCE OF OIL JETTY NO. 10 AT OLD KANDLA



### Brief

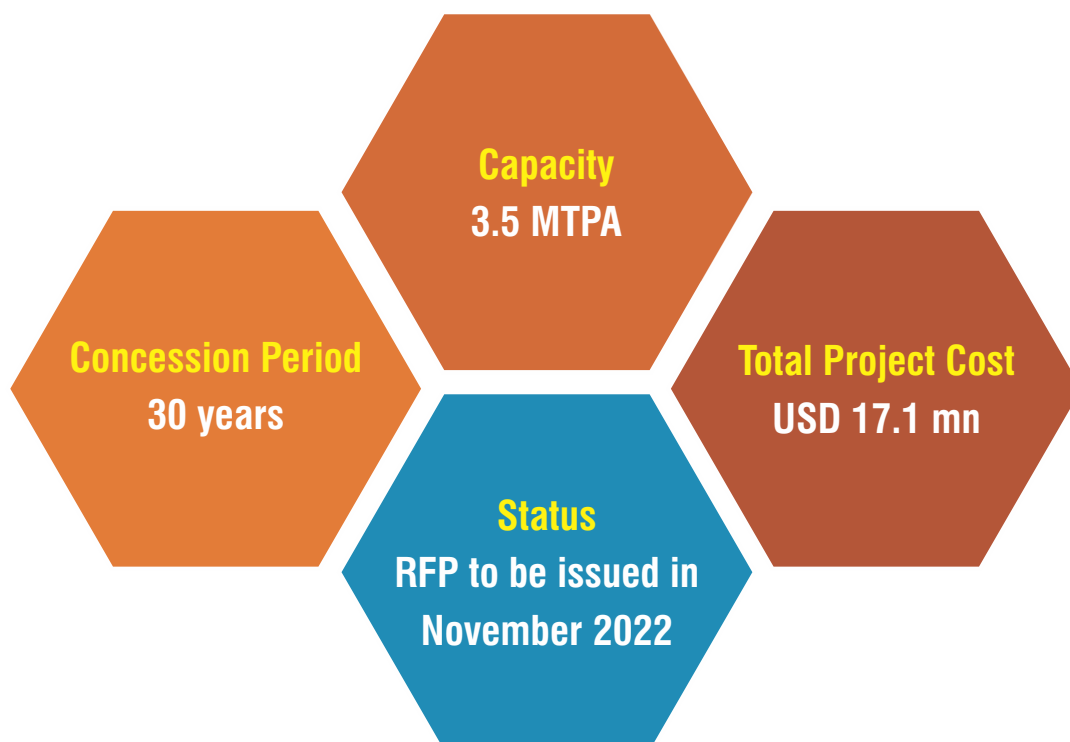
The project envisages the construction of T-shaped offshore berthing structure to cater vessels for handling of all type of liquid cargo and barges to handle bunkers. It also includes the construction of associate facilities for handling liquid cargo up to Land Fall Point (LFP).

### Opportunity

Beyond the proposed LFP, the concessionaire may facilitate existing tank farms to connect their respective pipelines.



### Key Facts



# 23

## DEVELOPMENT OF OIL JETTY TO HANDLE LIQUID CARGO AND **SHIP BUNKERING** **TERMINAL AT OLD KANDLA**



### Brief

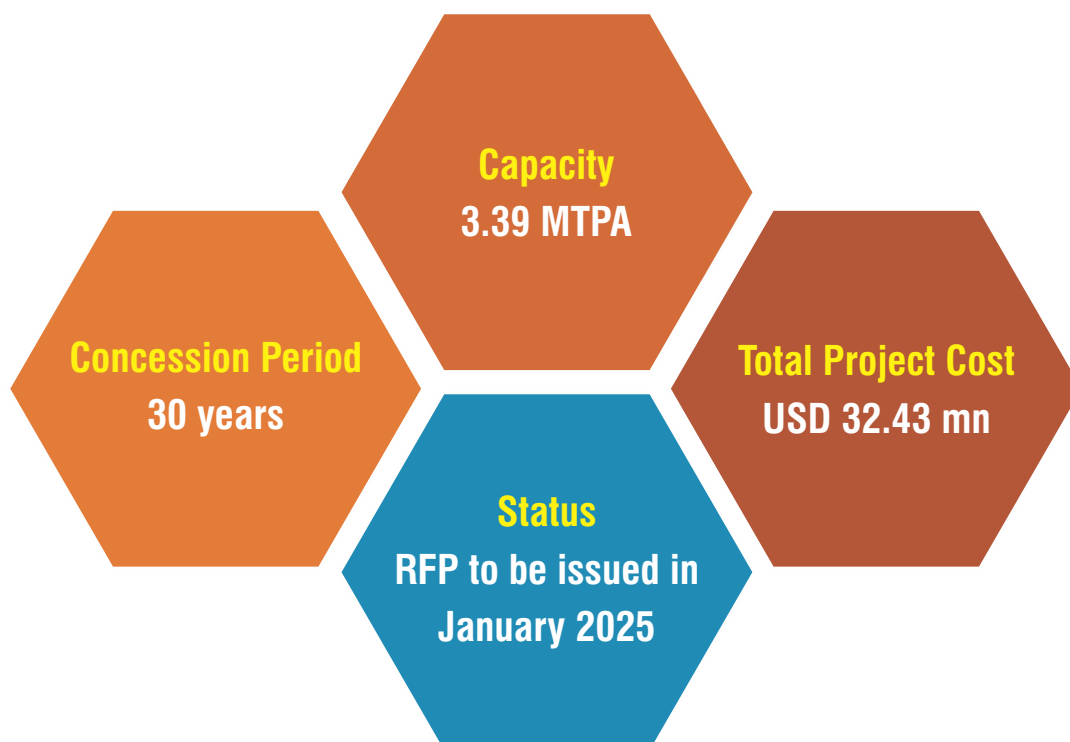
The project envisages the construction of T-shaped offshore berthing structure to cater vessels for handling of all type of liquid cargo and barges to handle bunkers. It also includes the construction of Tank Farms and associate facilities for storage of liquid cargo.

### Opportunity

The project is expected to create additional capacity to cater to expected increase in liquid traffic.



### Key Facts





# 24

## DEVELOPMENT, OPERATION AND MAINTENANCE OF **OIL** **JETTY NO. 11 AT OLD KANDLA**



### Brief

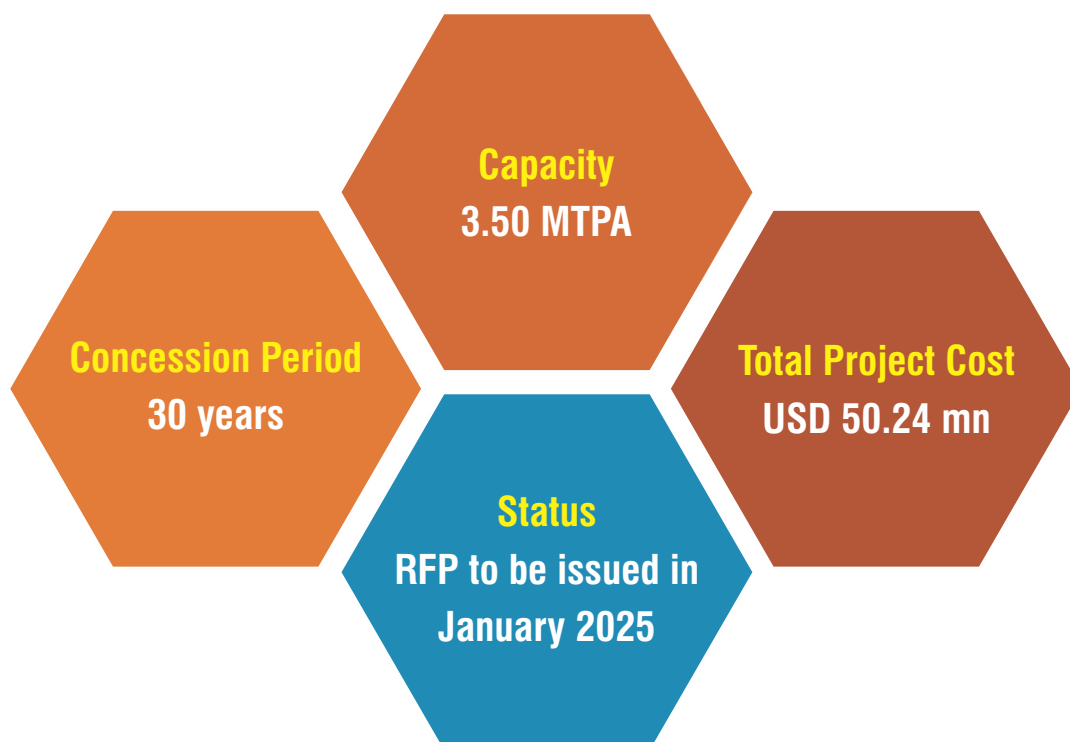
The project envisages the construction of T-shaped offshore berthing structure to cater vessels for handling of all type of liquid cargo and barges to handle bunkers. It also includes the construction of Tank Farms and associate facilities for storage of liquid cargo.

### Opportunity

The project is expected to create additional capacity to cater to expected increase in liquid traffic.



### Key Facts



# 25

### DEVELOPMENT OF **MULTIPURPOSE CARGO** (OTHER THAN CONTAINER/ LIQUID) **BERTH** OFF TUNA TEKRA OUTSIDE KANDLA CREEK



#### Brief

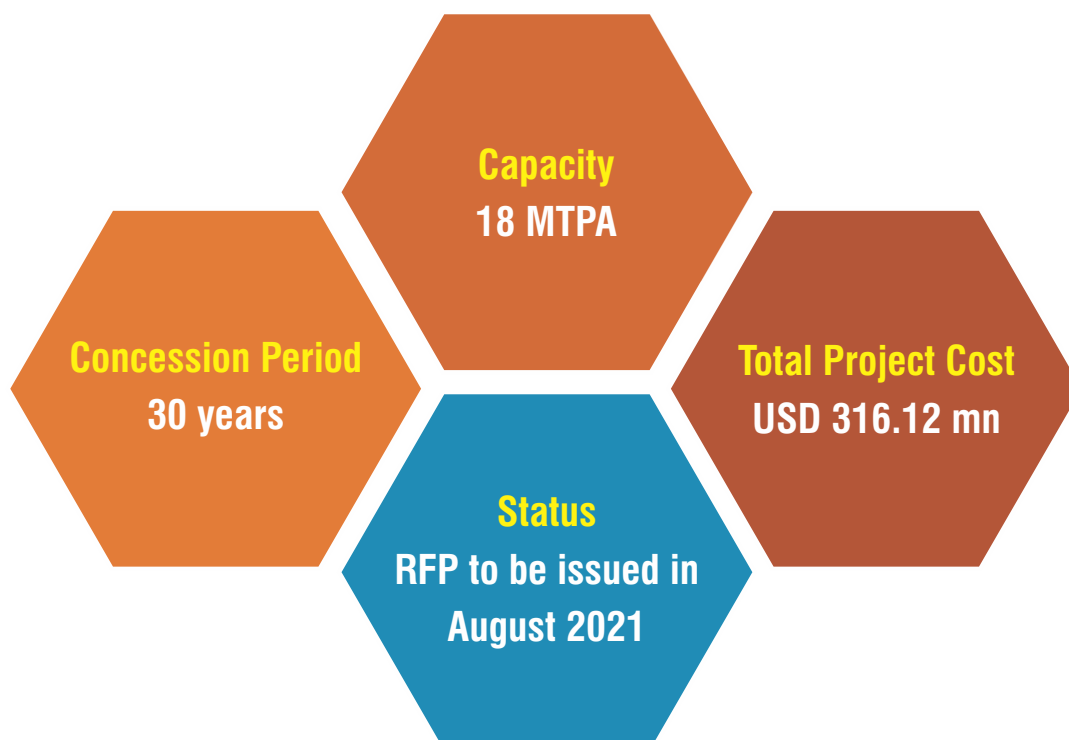
The project envisages the construction of T-shaped offshore berthing structure to cater four vessels (two front and two rear) along with development of back up area, mechanisation & associated facilities for handling Multi-purpose cargo (other than Container/Liquid).

#### Opportunity

The project is expected to create additional capacity to cater to expected increase in traffic.



#### Key Facts



# 26

## DEVELOPMENT OF A **CONTAINER TERMINAL** AT TUNA TEKRA



### Brief

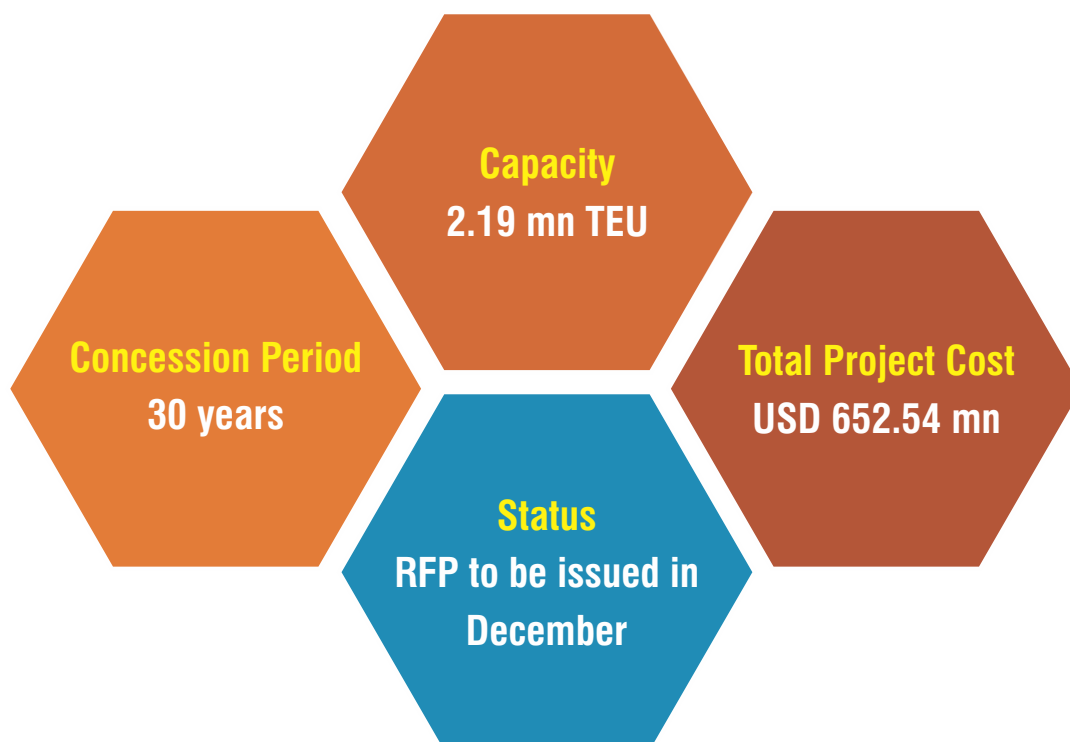
The project envisages the construction of T-shaped offshore berthing structure to cater three vessels at a time for handling containers, along with mechanisation, construction of stacking yard and associated facilities for storage of containers.

### Opportunity

The project is expected to create additional capacity to cater to expected increase in container traffic.



### Key Facts





# 27

## MECHANIZATION OF FERTILIZER HANDLING FACILITIES AT BERTH NO. 14.



### Brief

The project involves installation of Shipline fertilizer handling equipment system (Ship unloaders) along with necessary hopper and conveyor for shifting of fertilizer to direct automated wagon loading units or to the covered shed.

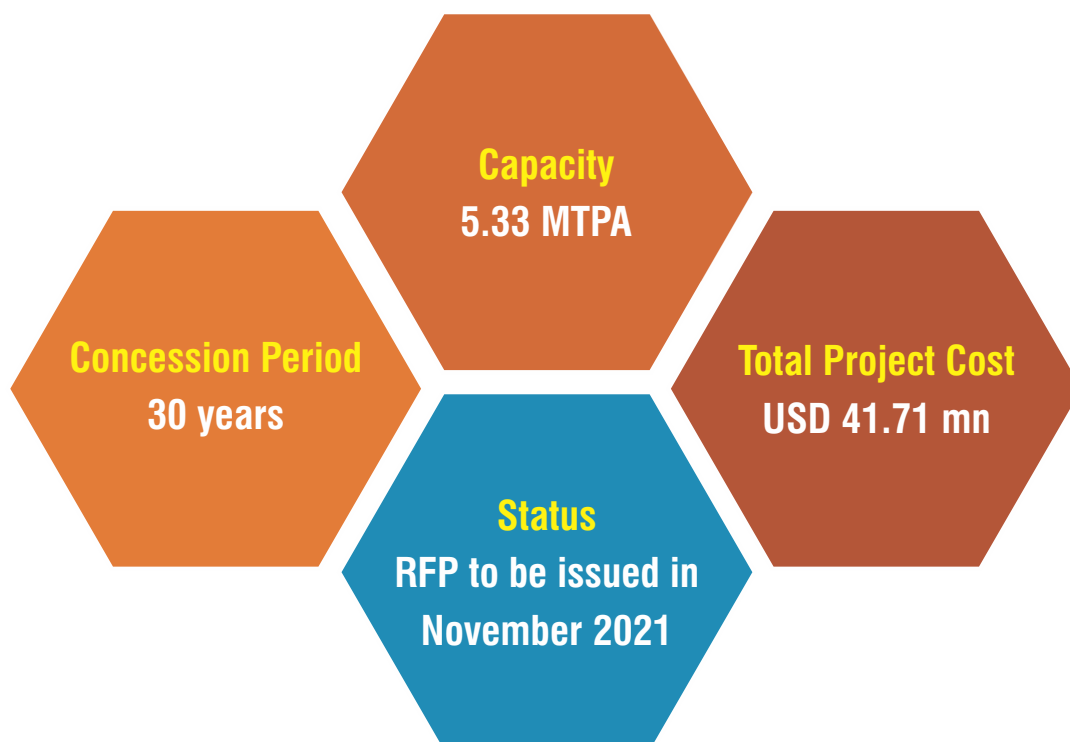
As per the requirements, it can allow collection of the fertilizer from shed and conveyance through the truck loading to the dumping points, with conveyance for mechanized and automated wagon loading system.

### Opportunity

The proposed project aims to increase cargo handling capacity of the port, which shall reduce the turnaround time of ships.



### Key Facts



### DEVELOPMENT, OPERATION & MAINTENANCE OF CONTAINER AND CLEAN CARGO TERMINAL ON BERTH 13, 15 AND 16



#### Brief

The project aims to develop Modern Container handling facilities at Port berth nos. 13, 15 and 16 at Deendayal port for handling of EXIM containers.

The project involves installation of container handling equipment like RMQCs, RTGCs, Tractor trailers, Reach Stackers, along with development of container stacking yard.

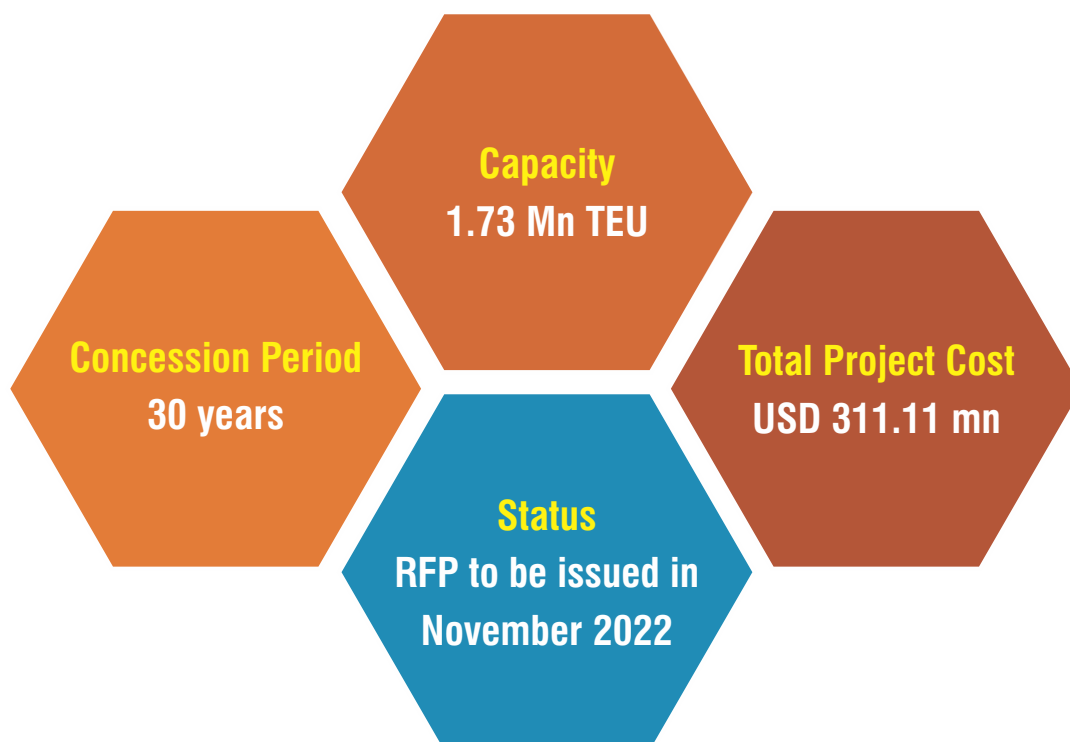
It will also include Ancillary facilities like terminal building, workstations, internal road infrastructure, drainage system and firefighting.

#### Opportunity

The proposed project aims to increase cargo handling capacity of the port, which shall reduce the turnaround time of ships.



#### Key Facts



### 3. Port Infrastructure Development

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	New Port at Vadhavan	9103.41	JNPT
2	JNPT 5th Container Terminal	763.89	JNPT
3	Dry Port at Wardha	65.28	JNPT
4	Dry Port at Jalna	45.42	JNPT
5	Dry Port at Niphad in Nashik District	32.64	JNPT
6	Development of Western Dock Basin -2 Captive berths for port dependent industries	417.22	PPT
7	Mumbai International Cruise Terminal	69.17	MbPT
8	Multipurpose Jetty at Chhoti Chowpatty -Marine Drive	6.25	MbPT
9	FSRU for LNG handling at NMPT	416.67	NMPT
10	Development of Port at Belekeri (Keni) in Ankola Taluk, Uttara Kannada District	386.53	NMPT
11	Re-development of Ore and multipurpose berths 8- 9 and barge berths - Mormugao	159.03	MgPT
12	Construction of Major Fishing Harbour at Vasco Bay- MoPT	14.44	MgPT
13	Passenger Jetty at Vasco Bay- MoPT	2.92	MgPT
14	Development of Dry port cum Multi- Modal Terminal at Jolarpet	27.78	ChPT
15	Liquid Berth at Chennai Port	6.11	ChPT
16	Rationalization of Pipeline Network at Oil Jetty Area, Kandla	23.79	DPT
17	Construction of oil jetty No.8 at old kandla through internal resources	13.89	DPT
18	Port at Kanyakumari	3829.17	VOCPT
19	Design, build 5 MLD capacity desalination plant at VOC Ports Trust, Tuticorin, and operation and maintenance for 20 years	38.19	VOCPT
20	Signalling works at VPT	3.33	VPT
21	Improvement to Existing jetty by providing Break water and Fishing Harbour at Minicoy	69.44	ALHW
22	Construction of Breakwater at Shaheedweep (Neil) Island	41.67	ALHW
23	Upgradation of Phoenix Bay terminal	35	ALHW
24	Extension of jetty by 150 metres x 20 metres and 08 Navigational aids	13.16	ALHW
25	Extension of berthing jetty at Campbell bay in Great Nicobar Island	2.36	ALHW
26	Construction sea port passenger terminal at A&N Island	5.2	ALHW
27	Construction of jetty approach, dredging and navigational aids at Suheli Cheriyakara Island	3.92	ALHW
28	Construction of jetty approach, dredging and navigational aids at Cheriya Island	3.92	ALHW
29	Reconstruction of jetty at Netaji Subhas Chandra Bose Island	3.33	ALHW
30	Providing separate approach way for cargo movement in Havelock jetty at Havelock	1.94	ALHW
31	Extension of katchery jetty at Minicoy island	0.79	ALHW
32	Extension of jetty at Rangat Bay	3.47	ALHW
33	Providing RCC floating jetty at Thinnakara Island	0.64	ALHW
34	Providing RCC floating jetty at Suheli Valiyakara Island	0.64	ALHW
35	Providing RCC floating jetty at Bangaram	0.5	ALHW
36	Construction of floating jetty at Merk Bay and Guitar Island in Long Island	0.28	ALHW
37	Construction of approach way from old jetty to new jetty at Ross & Smith Island	0.69	ALHW
38	Providing floating jetty of approach at Ross & Smith Island	1.67	ALHW
39	Construction of sea port passenger Terminal at Swarajdweep (Havelock)	3.47	ALHW
40	Construction sea port passenger Terminal at Shaheedweep (Neil) Island	5.28	ALHW
41	Container Yard at Mayabunder	2.08	ALHW
42	Jetty at Diglipur	4.81	ALHW
43	Extension of berthing head of northern jetty (near helipad) at Kalpeni	0.51	ALHW
44	Extension of Existing jetty at western side at Kadmat	0.62	ALHW
45	Construction of open jetty at eastern side near light house Kalpeni island	3.78	ALHW
46	Restoration of Break Water at Kalpeni	4.8	ALHW
47	Construction of Eastern Side Jetty at Kiltan Island in Lakshadweep Group of Islands	5.09	ALHW



48	Construction of Eastern Side Jetty at Chetlath Island in Lakshadweep Group of Islands	5.13	ALHW
49	Construction of Eastern Side Jetty at Kadmat Island in Lakshadweep Group of Islands	5.55	ALHW
50	Major Harbour at Diglipur	111.11	ALHW
51	Construction of a passenger Jetty at Bheemunipatnam	10.97	APTDC
52	Construction of Tourism Passenger Jetty at Manginapudi- Krishna	10.28	APTDC
53	Construction of Tourism Passenger Jetty at Kothapatnam- Prakasam	8.61	APTDC
54	Construction of Passenger Jetty at Baruva in Srikakulam	8.19	APTDC
55	Construction of Tourism Passenger Jetty at Maypadu- SPS Nellore	8.06	APTDC
56	Construction of a passenger Jetty at Kalingapatnam	6.67	APTDC
57	Construction of jetties at Shiroda	1.73	Captain of Ports, Goa
58	Construction of jetties at Pilgao	1.59	Captain of Ports, Goa
59	Construction of jetties at Banastarim	1.37	Captain of Ports, Goa
60	Construction of jetties at Aldona	10.97	Captain of Ports, Goa
61	Construction of jetties at Raibander	0.99	Captain of Ports, Goa
62	Construction of jetties at Sanvordem	0.91	Captain of Ports, Goa
63	Construction of jetties at Old Goa-Divar	0.86	Captain of Ports, Goa
64	Construction of jetties at Cortalim-Rassaim	0.83	Captain of Ports, Goa
65	Construction of jetties at Durbhat	0.72	Captain of Ports, Goa
66	Dredging at Vanakbara Port of UT of Daman & Diu	6.45	Daman & Diu
67	Dredging at Diu port of UT of Daman & Diu	6.38	Daman & Diu
68	Capital Dredging for Puducherry Port	9.55	GoP
69	Port at Tajpur	872.22	GoWB
70	Development of captive SPM terminal near old Mundra Ports, Kutch	386.25	GMB
71	Development of third jetty at Dahej	291.67	GMB
72	Development of LPG terminal at Chhara	191.94	GMB
73	Construction of new jetty on south side of USL Jetty at Navlakhi Ports	26.67	GMB
74	Port at Vijaydurg	138.89	MMB
75	Captive jetty at Nandgaon	93.33	MMB
76	Captive jetty at Korlai in Revdanda creek	60.69	MMB
77	Feeder Port at Pondicherry	6.11	GoP
78	Transshipment Port at South Bay	2916.67	Port Management Board, A&N Islands
79	Development of deep-water ports at Machilipatnam, Krishna district, Andhra Pradesh	625	Department of Ports, GoAP
80	Port-based gas/ LNG terminals at Kakinada	277.78	Department of Ports, GoAP
81	Development of Ramayapatnam Ports, Prakasam district, Andhra Pradesh	694.44	Department of Ports, GoAP
82	Improvement of Kakinada Anchorage Ports infrastructure in East Godavari district, Andhra Pradesh	13.89	Department of Ports, GoAP
83	Berth No. 10	7.78	NMPT
84	Berth No. 11	7.78	NMPT

#### 4. Shipbuilding, Ship Repair and Ship Recycling

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Marine dockyard, vendor eco-system and ship repair system in Andaman and Nicobar Islands	2.08	CSL
2	Upgrading of existing Alang - Sosiya ship recycling yard with the help of JICA ODA loan	99.31	GMB
3	Ship Recycling Museum at Bhavnagar	3.47	GMB
4	Floating dry dock at Port Blair harbour	8.33	Port Management Board, A&N Islands



## 5. Inland Waterways Transport Infrastructure

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Development of 3 uncut portions of West Coast Canal between Mahe and Valapattanam	90.28	CSIND, GoK
2	Re-construction of 20 bridges across West Coast Canal	55.56	CSIND, GoK
3	Development of Neeleeswaram- Bekall Reach of West Coast Canal	27.78	CSIND, GoK
4	Construction of 5 nos. navigation locks across West Coast Canal	20.83	CSIND, GoK
5	Riverine Port in Mahanadi river (22 MTPA)	293.06	Directorate of Ports & IWT, Odisha
6	West Bengal inland water transport and logistics, spatial development project	141.81	GoWB
7	Inland waterways and Commamur canal development including river line ports	1805.56	IWAI
8	Develop NW 74 -78 km from Arabian Sea at Bengre to Netravathi Dam- Dharmsthala on Netravathi river	69.44	IWAI
9	Operation, management, and development of multi-modal terminal at Sahibganj	52.22	IWAI
10	Develop NW51 -23 km from Kabini Dam to Beeramballi on Kabini river	27.78	IWAI
11	Develop NW43 -10 km from Confluence of Netravathi river to Mangalore Port Bridge on Gurupur river	13.89	IWAI
12	Operation, management, and development of multi-modal terminal at Haldia	6.6	IWAI
13	Sunderbans river cruise tour	2.78	IWAI
14	Operation, management and development of Multi-Modal Terminal at Varanasi	745.69	IWAI
15	Development of Freight Village at Varanasi	68.75	IWAI
16	Construction of Passenger jetty and Allied Facilities at Devichapada Dombivali- Tal.Kalyan	1.76	MMB
17	Construction of jetty at Arnala fort- Tal Vasai- Dist. Thane.	1.39	MMB
18	Capital dredging at Versova	5.14	MMB
19	Passenger Jetty at Ahiritolaghat, Antpur, Armenian Ghat, Baidyabati, Balighat	13.9	WBTIDC
20	Passenger Jetty at Bansberia ferry ghat, Bauria, Belurmam, Botanical Garden, Budge Budge	13.9	WBTIDC
21	Passenger Jetty at Chandannagar, Chandrapal, Ghars - 1,2 & 3, Chinsurah, Cossipore	16.68	WBTIDC
22	Passenger jetty at Danipur, Debita, Diamond Harbor, Dobhighat, Fulleswar ferry ghar, G R Jetty	16.68	WBTIDC
23	Passenger Jetty at Gadiara ferry ghat, Gandhighat, Geonkhali, Gourhati ferry ghar, Guptipara	13.9	WBTIDC
24	Passenger jetty at Howrah III	2.78	WBTIDC
25	Passenger jetty at Howrah WBTC	2.78	WBTIDC
26	Passenger jetty at Indenture Memorial	2.78	WBTIDC
27	Passenger jetty at Haldia	2.78	WBTIDC
28	Passenger jetty at Halishar	2.78	WBTIDC
29	Passenger jetty at Jagannath Ghat	2.78	WBTIDC
30	Passenger jetty at Kachuberia	2.78	WBTIDC
31	Passenger Jetty at Kalyani	2.78	WBTIDC
32	Passenger jetty at Khardah	2.78	WBTIDC
33	Passenger Jetty at Konnagar	2.78	WBTIDC
34	Passenger jetty at Kukurhati	2.78	WBTIDC
35	Passenger jetty at Kutti Ghar	2.78	WBTIDC
36	Passenger jetty at Lot No 8	2.78	WBTIDC
37	Passenger Jetty at Manirampur	2.78	WBTIDC
38	Passenger Jetty at Millenium	2.78	WBTIDC
39	Passenger jetty at Naihati	2.78	WBTIDC
40	Passenger jetty at Nandigram	2.78	WBTIDC
41	Passenger Jetty at Naupala	2.78	WBTIDC
42	Passenger jetty at Noorpur	2.78	WBTIDC
43	Passenger Jetty at Outrum ghat	2.78	WBTIDC
44	Passenger Jetty at Panchpara	2.78	WBTIDC
45	Passenger jetty at Panihoti	2.78	WBTIDC



46	Passenger Jetty at Podra	2.78	WBTIDC
47	Passenger jetty at Rashmoni	2.78	WBTIDC
48	Passenger Jetty at Ratan babu	2.78	WBTIDC
49	Passenger jetty at Roy Chowk	2.78	WBTIDC
50	Passenger Jetty at Santipur	2.78	WBTIDC
51	Passenger Jetty at Serampore	2.78	WBTIDC
52	Passenger Jetty at Shalimar	2.78	WBTIDC
53	Passenger Jetty at Sheoraphuli	2.78	WBTIDC
54	Passenger Jetty at Sovabazar	2.78	WBTIDC
55	Passenger jetty at Titagarh	2.78	WBTIDC
56	Passenger Jetty at Tribeni	2.78	WBTIDC
57	Passenger Jetty at Uluberia	2.78	WBTIDC



## 6. Water Aerodromes & Sea Plane Infrastructure

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Construction of water aerodrome / floating jetty at Andaman & Nicobar- Adjoining islands	13.89	SDCL
2	Construction of water aerodrome / floating jetty at Lakshadweep- Adjoining islands	13.89	SDCL
3	Construction of water aerodrome / floating jetty at Mumbai	1.39	SDCL
4	Construction of water aerodrome / floating jetty at Lonavala	1.39	SDCL
5	Construction of water aerodrome / floating jetty at Ganpatipule	1.39	SDCL
6	Construction of water aerodrome / floating jetty at Shirdi	1.39	SDCL
7	Construction of water aerodrome / floating jetty at Dwarka	1.39	SDCL
8	Construction of water aerodrome / floating jetty at Surat	1.39	SDCL
9	Construction of water aerodrome / floating jetty at Kandla	1.39	SDCL
10	Construction of water aerodrome / floating jetty at Ayodhya	1.39	SDCL
11	Construction of water aerodrome / floating jetty at Tee-Top and Lapathy in Car Nicobar	4.86	ALHW
12	Construction of water aerodrome / floating jetty at Shaheed Dweep	5.09	ALHW
13	Construction of water aerodrome / floating jetty at Chidiyatapu	3.61	ALHW
14	Construction of water aerodrome / floating jetty at Foreshore Road at Haddo	4.17	ALHW
15	Construction of water aerodrome / floating jetty at Makachuva	2.78	ALHW
16	Construction of water aerodrome / floating jetty at Pilollo	2.5	ALHW
17	Construction of water aerodrome / floating jetty at Kalappathar	3.19	ALHW
18	Construction of water aerodrome / floating jetty at Pilloponja	2.01	ALHW
19	Construction of water aerodrome / floating jetty at Thilagchang	2.22	ALHW
20	Construction of water aerodrome / floating jetty at North Bay	2.01	ALHW
21	Construction of water aerodrome / floating jetty at Wandoor	2.08	ALHW
22	Construction of water aerodrome / floating jetty at Swaraj Dweep	1.85	ALHW
23	Construction of water aerodrome / floating jetty at Tapong Village	1.77	ALHW
24	Construction of water aerodrome / floating jetty at Junglighat in Port Blair	1.81	ALHW
25	Construction of water aerodrome / floating jetty at Hut Bay Island	2.5	ALHW
26	Construction of water aerodrome / floating jetty at Aberdeen	1.81	ALHW
27	Construction of water aerodrome / floating jetty at Baratang	1.67	ALHW
28	Construction of water aerodrome / floating jetty at Rutland	2.08	ALHW
29	Construction of water aerodrome / floating jetty at Long Island	1.14	ALHW
30	Development of Passenger Jetty - Sea Plane Jetty and upgradation of existing jetty at Kakinada	8.06	APTDC



## 7. Coastal Shipping, Hinterland Connectivity and Multi-Modal Logistics

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	6 laning for NH-4 from Kalamvoli to Mumbra	6.25	JNPT
2	Development of dedicated Container Corridor to NHAI road for quick evacuation- Chennai	13.89	ChPT
3	Northern Rail Link connecting north of Minjur to KPL	41.67	KPL
4	Capital Dredging Phase-V at KPL	34.72	KPL
5	Road cum Flyover serving as 2nd exit to the Paradip port	12.92	PPT
6	Fly over bridge from Sea-horses junction area to dock area at Visakhapatnam Port	38.47	VPT
7	Cruise-cum-coastal cargo terminal	10.69	VPT
8	Direct connectivity to Mindi Yard from E.Co. Railways- SC Railways	6.25	VPT
9	Electrification of VPT railway lines 45.143 TKM	2.78	VPT
10	Ropeway at Elephant Beach Trek -Port Blair	1.67	IPRRCL
11	Ropeway at Cellular Jail and Ross Island (Port Blair)	1.67	IPRRCL
12	Ropeway between Rushikonda beach and Kailashgiri Hill	1.67	IPRRCL
3	Ropeway at Kovalam Beach - Kovalam Lighthouse	1.67	IPRRCL
14	Development of Passenger Ropeway and Allied Tourism Activities between Panjim and Reis Magos -Goa	1.67	IPRRCL
15	Construction of Tourist waiting facility hall with basic amenities at Yeratta Island	4.17	ALHW
16	Development of modern passenger hall along with other passenger amenities at A&N Islands	1.46	ALHW
17	Construction of Tourist waiting facility hall with basic amenities at Ariel Bay	1.11	ALHW
18	Construction of passenger waiting facilities at Mayabunder Island	0.97	ALHW
19	Tourist waiting facility at Sagar Dweep - 100 pax capacity each	0.56	ALHW
20	Construction of passenger waiting facilities at Aves Island	0.49	ALHW
21	Rail connectivity to Enayam Port in Kanyakumari district	41.67	Enayam Port
22	Berm Park To Bhavani Island Ropeway	11.11	Govt. of AP
23	Ropeway between Kanyakumari and Thiruvallur statue and Marine Bridge	15.97	Govt. of Tamil Nadu
24	Construction of coastal berths - dredging and construction of breakwater at Azhikkal Port	68.89	Kerala Ports
25	Jetty at Nariman Point NCPA, (Mumbai)	54.62	MMB
26	Captive jetty at Nate near Ambolgad Bay	38.75	MMB
27	Jetty at Radio club near Gate Way of India, Mumbai	13.89	MMB
28	Construction of approach road to facilitate Ro-Ro at Narangi	4.15	MMB
29	Mahavimagar- Gorai Ropeway	79.86	MMRDA
30	Charkop- Marve Ropeway	53.19	MMRDA
31	Goa – Vasco da Gama to Dona Paula	48.61	MPT and Govt. of Goa
32	Upgrading SH-164 from Jaigad Port to NH 17 at Nivali	32.64	MSRDCL
33	Coastal protection work at Govada	0.63	NWRWS & K Department, GoG
34	Coastal protection work at Ramwadi Faliya	0.85	NWRWS & K Department, GoG
35	Coastal Protection wall at Nani Danti Moti Danti	4.94	NWRWS & K Department, GoG
36	Construction of coastal cargo berth at Old Mangaluru Port	9.03	Ports & IWT, Karnataka
37	Construction of Coastal cargo berth of 250 m at Karwar Port	8.47	Ports & IWT, Karnataka
38	Capital Dredging at Old Mangaluru Port -Bengre Side	4.03	Ports & IWT, Karnataka
39	Construction of Passenger Jetty near Mukkundaraya Chatttram, Rameswaram, Tamil Nadu	6.11	TNMB
40	Extension of passenger berthing facility at Kanyakumari Port	2.78	TNMB
41	Construction of Trestle Jetty and other infrastructures at Pamban near the Railway Lift Bridge for passenger ferry / cruise operations	2.78	TNMB
42	Construction of Trestle Jetty and other infrastructure at Rameswaram near Ramanathaswamy Temple for passenger ferry / cruise operations	2.78	TNMB
43	Coastal berth for passenger-cargo at Porbandar Port	5.14	GMB
44	Passenger Terminal at Mandvi (Mandvi - Okha ferry service)	0.94	GMB
45	Passenger Terminal at Okha (Mandvi - Okha ferry service)	0.94	GMB



## 8. Ro-Ro and Ro-Pax projects

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Ro-Pax/Cruise Terminal at Kolkata	22.22	SDCL
2	Ro-Pax/Cruise Terminal at Vizag	15.28	SDCL
3	Ro-Pax/Cruise Terminal at Paradip	15.28	SDCL
4	Ro-Ro Terminal at Jamnagar	2.78	SDCL
5	Ro-Ro Terminal at Mangalore	2.78	SDCL
6	Ro-Ro Terminal at Karaikal	2.78	SDCL
7	Ro-Ro Ro-Pax Jetty at Kandla Port	2.78	SDCL
8	Ro-Ro and General Cargo Berth-3 at KPL	48.61	KPL
9	Development of Ro-Ro Terminal cum GCB-2 at KPL	26.13	KPL
10	Ro-Pax Jetty at Talachua	7.68	Directorate of Ports & IWT, Odisha
11	RoRo/ passenger terminals at Balugaon	3.75	Directorate of Ports & IWT, Odisha
12	RoRo/ passenger terminals at Krushnaprasad	3.75	Directorate of Ports & IWT, Odisha
13	Ro-Pax Jetty at Kaninali	7.64	Directorate of Ports & IWT, Odisha
14	RoRo Ropax jetty at Hazira	2.08	GMB
15	Ro Ro Jetty at Mora	11.11	MMB
16	Ro Ro Jetty at Elephanta Caves	10.56	MMB
17	Ro-Pax jetty at Datiware	2.78	MMB
18	Ro-Pax Jetty at Naigaon	1.39	MMB
19	Ro-Pax Jetty at Murbe	1.39	MMB
20	Ro Ro Jetty at Janjira	1.11	MMB

## 9. Port-led Industrialisation

Sl.	Project Name	Project Cost in USD million	Project Proponent
1	Warehouse/Logistics Park at Willingdon Island	0.69	CPT
2	Kandla Smart Industrial Port City	159.31	DPT



## 10. Tourism Infrastructure

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	National Maritime Heritage Museum Complex at Lothal	66.39	MoPSW
2	Prabhas Patan Museum	2.5	Ministry of Tourism
3	Cave Museum at Gir Somnath	3.47	Ministry of Tourism
4	Port Museum at JNPT	3.47	JNPT
5	Development of Marina at Prince Dock - Mumbai	50.67	MbPT
6	Management, Operation and Maintenance of Kanhoji Angre Island as Tourist Destination on PPP basis	6.94	MbPT
7	Sunk Rock Lighthouse tourism in Mumbai City	0.28	MbPT
8	Tourist amenities works at Sewri Fort	2.08	MbPT
9	Port Museum at Mumbai Port	3.47	MbPT
10	Port Museum at New Mangalore	3.47	NMPT
11	Port Museum at Mormugao	3.47	MgPT
12	Port Museum at Chennai Port	3.47	ChPT
13	Port Museum at Deendayal Port	3.47	DPT
14	Port Museum at Visakhapatnam Port	3.47	VPT
15	Padubidari Beach Island development (Kudru Tourism)	0.69	Dept. of Tourism, Karnataka
16	Padukere Beach Front development and Glamping Facility	0.69	Dept. of Tourism, Karnataka
17	Floating Jetties in Udupi	2.78	Dept. of Tourism, Karnataka
18	Panchagangolli Island Development (Eco Tourism Development)	3.47	Dept. of Tourism, Karnataka
19	Development of Jetties for water sports development at riverfront of Gurupura River	6.94	Dept. of Tourism, Karnataka
20	Development of Jetties for water sports development at riverfront of Nethravathi river	6.94	Dept. of Tourism, Karnataka
21	Alupa Heritage Interpretation center at Barkur Heradi	9.72	Dept. of Tourism, Karnataka
22	Tourist Jetties at Gir Somnath	4.17	Dept. of Tourism, Gujarat
23	Development of passenger jetties at Kakinada Port for tourism	13.89	Department of Ports, GoAP
24	Marine Museum at Rameswaram	0.69	Fisheries Department, GoTN
25	Floating Jetty at Shiyal bet island	0.56	GoG
26	Tourism Jetty at Chivla in Sindhudurg District	1.31	MMB
27	Tourism Jetty at Durgadi -Kalyan in Thane District	1.27	MMB
28	Tourism Jetty at Underi in Raigad District	1.27	MMB
29	Tourism Jetty at Suvarnadurg in Ratnagiri District	1.22	MMB
30	Tourism Jetty at Padmadurg in Raigad District	1.15	MMB
31	Construction of Passenger jetty and Allied Facilities at Devichapada Dombivali-Tal.Kalyan	1.76	MMB
32	Port Museum at Port Blair	3.47	PMB, Port Blair
33	Marina at Nauxi village	48.61	Tourism Department, Goa
34	Marina in Sancoale village	48.61	Tourism Department, Goa
35	Yacht marina at Hathitapu	10.83	PMB, A&N Islands

## 11. Lighthouse Tourism

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Samiyani Island lighthouse tourism in Dev Bhoomi Dwarka	0.69	DGLL
2	Kachchigarh Lighthouse tourism in Dev Bhoomi Dwarka	0.69	DGLL
3	Veraval Lighthouse tourism in Gir Somnath	0.69	DGLL
4	Mangrol Lighthouse Tourism in Junagarh	0.69	DGLL
5	Mandvi Lighthouse tourism in Kutch	0.69	DGLL
6	Porbandar lighthouse tourism in Porbandar	0.69	DGLL
7	Hazira lighthouse tourism in Surat	0.69	DGLL
8	Valsad Khadi Lighthouse tourism in Valsad	0.69	DGLL
9	Manakkodam Lighthouse tourism in Alappuzha	0.69	DGLL
10	Alappuzha (Alleppy) Lighthouse tourism in Alappuzha	0.69	DGLL
11	Valiyazhikkal Lighthouse tourism in Alappuzha	0.69	DGLL
12	Vypin Lighthouse tourism in Ernakulam	0.69	DGLL
13	Thangasseri Lighthouse Tourism in Kollam	0.69	DGLL
14	Kovilthottam Lighthouse tourism in Kollam	0.69	DGLL
15	Kadalur Point Lighthouse tourism in Kozhikode	0.69	DGLL
16	Ponnani Lighthouse tourism in Malappuram	0.69	DGLL
17	Vizhinjam Lighthouse tourism in Thiruvananthapuram	0.69	DGLL
18	Anjengo Lighthouse tourism in Thiruvananthapuram	0.69	DGLL
19	Uttan Point Lighthouse tourism in Thane	0.69	DGLL
20	Korlai Fort Lighthouse tourism in Raigad	0.69	DGLL
21	Jaigarh Lighthouse tourism in Ratnagiri	0.69	DGLL
22	Ratnagiri Lighthouse tourism in Ratnagiri	0.69	DGLL
23	Venugurla Point Lighthouse tourism in Sindhudurg	0.69	DGLL
24	False Point Lighthouse tourism in Kendrapara	0.69	DGLL
25	Paradip Lighthouse tourism in Jagatsinghpur	0.69	DGLL
26	Puri Lighthouse tourism in Puri	0.69	DGLL
27	Chandrabhaga Lighthouse tourism in Puri	0.69	DGLL
28	Gopalpur Lighthouse tourism in Ganjam	0.69	DGLL
29	Pulicat Lighthouse tourism in Tiruvallur	0.69	DGLL
30	Mahabalipuram Lighthouse tourism in Chengalpattu (Kancheepuram)	0.83	DGLL
31	Kodikkarai Lighthouse tourism in Nagapattinam	0.69	DGLL
32	Nagapattinam Lighthouse tourism in Nagapattinam	0.69	DGLL
33	Poompothar Lighthouse tourism in Nagapattinam	0.69	DGLL
34	Mallipattinam Lighthouse tourism in Thanjavur	0.69	DGLL
35	Kilakkarai Lighthouse tourism in Ramanathapuram	0.69	DGLL
36	Pamban Lighthouse tourism in Ramanathapuram	0.69	DGLL
37	Dhanuskodi Lighthouse tourism in Ramanathapuram	0.83	DGLL
38	Manappad Point Lighthouse tourism in Thoothukudi	0.69	DGLL
39	Kutahkuli Lighthouse tourism in Tirunelveli	0.69	DGLL
40	Kanyakumari Lighthouse tourism in Kanyakumari	0.69	DGLL
41	Dariapur Lighthouse tourism in Purba Medinipur	0.69	DGLL
42	Tajpur lighthouse tourism in Purba Medinipur	0.69	DGLL
43	Sagar Island Lighthouse tourism in South 24 Parganas	0.69	DGLL
44	Aguada Lighthouse in North Goa	0.69	DGLL
45	Construction of Campal Light House in North Goa	0.69	DGLL
46	Oyster Rock Lighthouse in Uttar Kannada	0.69	DGLL



## 12. Fishing Berths and Harbour

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Fishing harbour in Pachubandar	1.2	Assistant Commissioner Of Fisheries Thane Palghar & Harbour Engineer, Thane
2	Fishing harbour in Dhakti Dahanu	1.42	Assistant Commissioner Of Fisheries Thane Palghar & Harbour Engineer, Thane
3	Fishing Harbour at Thoothukudi	3.47	CE, FH Project circle, Chennai
4	Construction of fishing harbour at Chandipur	6.94	Department of Fisheries & ARD, Govt. of Odisha
5	Berth at Azhikkal Fishing Harbor	0.56	Department of Fisheries, GoK
6	Fishing Harbor at Moplabay	1.53	Department of Fisheries, GoK
7	Fishing Harbour at Thampithiranpattinam	1.39	Department of Fisheries, GoTN
8	Fishing Harbour at Navabandar- Taluka Una- District Gir Somnath	41.09	Dept. of Fisheries, GoG
9	Fishing harbour Phase-2 at Veraval- District Gir Somnath	36.11	Dept. of Fisheries, GoG
10	Fish Harbor upgradation at Jakhau	1.39	Dept. of Fisheries, GoG
11	Fishing harbor at Chennai	1.1	Fisheries Department, GoTN
12	Development of Fishing Harbour in Anandwadi- Sindhudurg District	12.22	Fisheries Department, Government of Maharashtra
13	Fishing Harbour at Alapuzza	2.5	Fisheries Department, Govt of Kerala
14	Fishing harbour in Murbe	0.64	Govt. of Maharashtra
15	Fishing Harbor at Ajanur	2.08	Harbour Engineering Department, Kerala



## 13. Fish Landing Centres

Sl.	Project Name	Project Cost in USD Million	Project Proponent
1	Modern Fish Landing Centre at Rajayyapeta	1.67	APMIDCL
2	Modern Fish Landing Centre at Chintapalli	3.47	APMIDCL
3	Fish Landing Centre at Threspuram	2.78	CE, FH Project Circle, Chennai
4	Fish Landing Centre at Tharuvaikulam	3.47	CE, FH Project Circle, Chennai
5	Fish Landing Centre at Palacode estuary	3.97	Department of Fisheries, GoK
6	Fish landing Centre at Thondi	0.42	Department of Fisheries, GoTN
7	Fish Landing Centre at Keezhamundhal	1.39	Department of Fisheries, GoTN
8	Fish Landing Centre at Mandapam (North & South)	2.78	Department of Fisheries, GoTN
9	Fish Landing Centre at Lakhapat	1.39	Dept. of Fisheries, GoG
10	Fish Landing Centre at Mandvi	1.39	Dept. of Fisheries, GoG
11	Fish Landing Centre at Mundra	1.39	Dept. of Fisheries, GoG
12	Fish Processing Centers at Okha	0.42	Dept. of Fisheries, GoG
13	Fish Landing Centre at Chinna Mudaliyar	0.69	Fisheries Department, GoTN
14	Fish Landing Centre at Ekkiyarpuram	0.42	Fisheries Department, GoTN
15	Fish Landing Centre at Soliyakudi	1.39	Fisheries Department, GoTN
16	Fish Landing Centre at Pillaichavadi	1.67	Fisheries Department, GoTN
17	Fish Landing Centre at Chinnandikuppam	0.28	Fisheries Department, GoTN
18	Fish Landing Centre at Karikattukuppam	0.35	Fisheries Department, GoTN
19	Fish Landing Centre at Kodiampalayam	0.42	Fisheries Department, GoTN
20	Fish Landing Centre at Kadalur Alikuppam	0.56	Fisheries Department, GoTN
21	Fish Landing Centre at Kokkilamediu	0.56	Fisheries Department, GoTN
22	Fish Landing Centre at Mudaliyarkuppam	0.56	Fisheries Department, GoTN
23	Fish Landing Centre at Nainaruppam	0.56	Fisheries Department, GoTN
24	Fish Landing Centre at Pattipulam	0.63	Fisheries Department, GoTN
25	Fish Landing Centre at Koozhayar	0.97	Fisheries Department, GoTN
26	Fish Landing Centre at Vanagiri	1.11	Fisheries Department, GoTN
27	Fish Landing Centre at Chandrapadi	1.39	Fisheries Department, GoTN
28	Fish Landing Centre at Chinnamedu	1.39	Fisheries Department, GoTN
29	Fish landing Centre at Karaikal	1.39	Fisheries Department, Government of Puducherry
30	Fish Landing Centre at Puducherry	6.94	Fisheries Department, Government of Puducherry
31	Fish Landing Centre at Yanam	6.94	Fisheries Department, Government of Puducherry
32	Fish Landing Centre at Neeleshawaram	0.69	Harbour Engineering Department, Kerala
33	Fish Landing Centre at Shriya	0.69	Harbour Engineering Department, Kerala
34	Fish Landing Centre at Rathikkal	1.11	KSCADC

## 14. Abbreviations

ALHW	:	Andaman Lakshadweep Harbour Works
APMIDCL	:	Andhra Pradesh Maritime Infrastructure Development Corporation Limited
ChPT	:	Chennai Port Trust
CPT	:	Cochin Port Trust
CSL	:	Cochin Shipyard Limited
CSIND	:	Coastal Shipping and Inland Navigation Department, GoK
DBFOT	:	Design, Build, Finance, Operate and Transfer
DGLL	:	Director General of Lighthouses and Lightships
DWT	:	Deadweight tonnage
DPT	:	Deendayal Port Trust
EDFC	:	Eastern Dedicated Freight Corridor
EPC	:	Engineering Procurement Contract
GMB	:	Gujarat Maritime Board
GoTN	:	Govt. of Tamil Nadu
GoP	:	Govt. of Puducherry
GoG	:	Govt. of Gujarat
GoAP	:	Government of Andhra Pradesh
GoK	:	Govt. of Kerala
GoWB	:	Govt. of West Bengal
Ha	:	Hectare
HED	:	Harbour Engineering Department
HDC	:	Haldia Dock Complex
IPRRCL	:	Indian Port Rail & Ropeway Corporation Limited



INR	:	Indian National Rupee
IWAI	:	Inland Waterways Authority of India
JNPT	:	Jawaharlal Nehru Port Trust
KPL	:	Kamarajar Port Limited
KDS	:	Kolkata Dock System
KSCADC	:	Kerala State Coastal Area Development Corporation
LNG	:	Liquified Natural Gas
MbPT	:	Mumbai Port Trust
MIS	:	Maritime India Summit
MPT	:	Mormugao Port Trust
MMB	:	Maharashtra Maritime Board
MMRDA	:	Mumbai Metropolitan Region Development Authority
MTPA	:	Million Tonnes Per Annum
Mn	:	Million
MoPSW	:	Ministry of Ports, Shipping and Waterways
MoPNG	:	Ministry of Petroleum & Natural Gas
MLT	:	Multiuser Liquid Terminal
MSRDCL	:	Maharashtra State Road Development Corporation Limited
NMPT	:	New Mangalore Port Trust
NH	:	National Highway
NW	:	National Waterway
O&M	:	Operation & Maintenance
PMB	:	Port Management Board

PPT	:	Paradip Port Trust
PPP	:	Public Private Partnership
PWD	:	Public Works Dept.
RFP	:	Request for Proposal
RFQ	:	Request for Qualification
Ro-Ro	:	Roll on – Roll Off
Ro-Pax	:	Roll on – Roll Off – Passenger vessel
SDCL	:	Sagarmala Development Company Limited
SPMP	:	Syama Prasad Mookerjee Port
TEUs	:	Twenty-foot Equivalent Unit
TNMB	:	Tamil Nadu Maritime Board
USD	:	United States Dollar
VoCPT	:	V. O. Chidambaranar Port Trust
VPT	:	Visakhapatnam Port Trust
WBTIDC	:	WB Transport Infrastructure Development Corp. Ltd.







# SAGARMALA

PORT-LED PROSPERITY

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