

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
UNSTARRED QUESTION NO. 696
TO BE ANSWERED ON 6TH FEBRUARY, 2020

PORT DEVELOPMENT PROJECTS

696. SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:

Will the Minister of SHIPPING be pleased to state :

पोत परिवहन मंत्री

- (a) the current status of different port development projects in the country, project-wise;
- (b) whether the Government plans to allow movements to ports through river routes also;
- (c) if so, the details thereof; and
- (d) the State-wise details of less developed ports along with the steps being taken by the Government for their development and expansion?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR SHIPPING
(SHRI MANSUKH MANDAVIYA)

(a) During the last three years, a number of projects on upgradation of the major ports involving a total cost of Rs. 13308.41 crore have been awarded. Similarly, a number of projects on upgradation of the major ports involving a total cost of Rs. 18048.37 crore have been completed. A list of projects awarded and completed during the last three year are at **Annexure – I**.

(b) & (c) To promote inland water transport in the country as an economical, environment friendly supplementary mode of transport to rail and road, 111 inland waterways (including 5 National Waterways declared earlier) were declared as National Waterways (NWs) under the National Waterways Act, 2016. Some of the NWs, as per details at **Annexure – II**, offer hinterland connectivity with major ports and there is no restriction on movement of cargo through these NWs to the ports.

(d) There are 12 major ports under the administrative control of Ministry of Shipping. All these port have created necessary infrastructure and facilities for handling the various types of cargo handled by them. The expansion of infrastructure development and facilities is a continuous process keeping in view the future needs and traffic requirements at major ports.

Projects Awarded in 2016-17

S. No.	Name of the Project	Investment (Cr.)	Capacity (MTPA)
Mumbai Port Trust			
1	Grant of Licence for deployment of floating cranes at port lighter age area	35.00	0.90
2	Construction of breakwater at Mandwa (Maharashtra Maritime Board)	130.80	-
3	Construction of Ro-Ro Pax facility	30.60	-
Kolkata Port Trust			
4	Deployment of 2 floating cranes near Sagar	60.00	2.00
5	Development of hardstand storage area of 1.13 Lakh sqm inside dock	43.99	-
6	Replacement of Fendering system of Lead-in-Jetty	44.81	-
7	Maintenance dredging for a period of 5 years	1050.00	-
8	Improvement of existing road connecting Kolkata Port Trust to NH6 and Kolkata port Trust to nearby Industrial Cluster	15.20	-
9	Creation of LNG facilities behind Jetty I.	200.00	0.20
Chennai Port Trust			
10	Development of Coastal Terminal	80.00	1.10
11	Installation of 400 kw Solar power plant on building roof tops	3.79	-
12	Development of Paved storage yards for handling Export Cargoes	54.00	-
Kamarajar Port Trust			
13	Conversion of SIOTL Iron Ore Terminal to Coal handling	220.00	6.00
14	Improvement to internal roads and gate complex in KPL	30.00	-
15	Widening of NCTPS and Port Access Road to 4 lane from the existing 2 lane road (7 kms)	200.00	-
16	Construction of Container Pre-Stacking Yard in the area of Port access road	30.00	-
Paradip Port Trust			
17	2 nos of harbour mobile cranes	80.00	2.50

18	Design, Engineering, Procurement & Supply, Erection, testing, Commissioning and O&M for 10 years of 10MW solar power plant	86.46	-
19	Development of Inland Water Terminal	80.00	2.50
V.O. Chidambaranar Port Trust			
20	Deployment of 2 Additional Harbour Mobile Cranes at III & IV berth	57.00	8.72
21	Truck parking terminal	23.77	-
22	Providing railway track between Marshalling Yard and Hare Island.	70.12	-
23	Supply, installation, commissioning and maintenance of 5 MW Solar power plant at VOCPT for a period of 10 years on power purchase system	30.00	5MW
24	Upgradation of Coal Jetty 1& 2	106.00	18.00
25	Development of a PPP berth for construction material	65.37	2.00
26	NCB III restructuring proposal	55.00	10.22
27	Construction of dedicated berth for handling Coastal Cargo	50.00	2.00
Mormugao Port Trust			
28	Development of Storage area for container	15.00	-
29	S&T system for railway yard	12.18	-
30	Providing additional rail lines and paving	12.60	0.40
31	Roof Top Solar Power system – 200 KW	1.90	-
Visakhapatnam Port Trust			
32	Replacement of two MHC in EQ 5&6 in Inner Harbour-	39.00	-
33	Providing 3 rd Line near 14 lever goompty of NH Yard	2.56	-
34	Improving the capacity utilization of OR-1 & OR-II and fertilizers berths	166.00	-
35	2 new crane at VCTPL	150.00	-
Cochin Port Trust			
36	Procurement of oil spill response equipment	10.45	-
New Mangalore Port Trust			
37	Development of 30 acres of stack yard and ancillary roads for parking of Ro-Ro cargoes and cars	25.00	-
Jawaharlal Nehru Port Trust			
38	SEZ Phase – EPC Contract for infrastructure development	468.82	-
39	Evacuation road for proposed standalone Container Terminal (330 extension to DPW terminal)	128.80	-

40	Capital Dredging – Phase – II	2029.00	20.87
41	Coastal berth	170.00	3.00
42	Restructuring of container yard for optimal yard utilisation	200.00	-
43	Development of common rail yard with Rail over bridge	243.00	-
44	Flyover at Y junction for decongestion of Traffic Flow	80.00	-
45	Construction of Central Truck Parking Terminal	200.00	-
46	Augmentation of 220 KV/33KV Master unit substation for providing electrical power supply to Fourth container Terminal	39.10	-
47	Improvement in Road Connectivity by 6/8 Laning of NH 4B SH54 and Amra marg Phase II	335.91	-
Deendayal Port Trust			
48	RoB on Kandla Kutch Road	232.62	-
49	Redevelopment of Berth 14&16	531.00	9.00
50	Mechanisation of Fertiliser Handling Facility	12.33	2.68
51	6 MV wind power project	65.00	-
52	Mechanization of fertilizer handling, mechanized bagging and wagon loading	122.00	-
53	Container terminal at berth 11 and 12 Concession awarded	159.00	-
54	Providing rail connectivity to berth No. 13, 14, 15 & 16 from take-off point to west end of berth at Kandla Port.	101.29	-
TOTAL (A)		8484.47	92.09

Projects Completed in 2016-17

SI No.	Name of the Project	Investment (Rs. Crores)	Capacity (MTPA)
Kolkata Port Trust			
1	Supply, Operation & Maintenance of different cargo handling equipment at berth Nos. 2 & 8 of HDC for shore handling on contract basis	50.00	1.00
2	Creation of edible oil handling facilities at 3 rd Oil Jetty at HDC	12.50	1.00
3	Installation of 2 MHCs at Berth Nos. 13 of HDC	50.00	2.00
4	Efficiency improvement leading to capacity increase at oil jetties and at anchorages of Kolkata Port	-	5.11 (4.51+0.6)
5	Replacement of outer gate	10.00	-
Paradip Port Trust			
6	Efficiency improvement leading to capacity increase at CB 1 and CB 2 & Fertilizer berth	-	11.50 (11+0.5)
7	Development of Inland Water Terminal at NQ1, NQ2 berths	80.00	2.50
8	Installation of 2 Nos of Harbour mobile cranes	80.00	2.50
Visakhapatnam Port Trust			
9	Supply, Erection, Testing and commissioning of 124 T HMCS at east quay berths	39.00	3.00
Kamarajar Port Limited			
10	Container Terminal on PPP basis	-	10.00
11	Multipurpose cargo Terminal	151.00	2.00
12	RFID Project Implementation	11.92	-
13	Container Railway Yard	60.00	-
14	Truck Parking Yard in front of coal yard	9.60	-
V.O. Chidambaranar Port Trust			
15	Mechanization of cargo evacuation from 9 th berth to Coal yard on license basis (To achieve bench mark capacity of 45,000 MT/day)	92.72	4.00
16	Efficiency improvement leading to capacity increase at Coal berths	-	2.64
New Mangalore Port Trust			
17	Construction of berth no. 12 in Western Dock Arm	93.71	6.00
18	Efficiency improvement leading to capacity increase at Coal and general cargo berths	-	2.27 + 1.59
19	Augmentation of Firefighting facilities at berth no. 17 for handling VLGC	36.48	-
20	Commissioning of 4 M.W. Solar Power Plant	24.00	-
21	Commissioning of 2 Container Stack Yard	14.50	-
22	Commissioning of Business Development Centre	25.25	-
Cochin Port Trust			
23	Efficiency improvement leading to capacity	-	0.66

	increase at Fertilizer berth & Mattancherry wharf		(0.33+0.33)
24	Efficiency improvement leading to capacity increase at oil berths namely COT, STB, NTB, SBM etc.,	-	6.25
Mormugao Port Trust			
25	RFID Project	5.00	-
26	Installation of one 100 MT Harbour mobile crane	40.00	1.25
Mumbai Port Trust			
27	Capital dredging of 5 th Oil Berth	66.00	-
28	Up gradation of passenger facility at Bhau Cha Dhakka	2.10	-
29	Unlocking of POL pipelines capacities and available capacities at streams	-	16.00
Chennai Port Trust			
30	Two EXIM Godowns	17.57	-
31	Strengthening of existing revetment at Eastern seashore of ChPT	63.00	-
Jawaharlal Nehru Port Trust			
32	Construction of ROB	46.29	-
33	Centralized Parking Plaza	18.29	-
34	SEZ earth filling (Phase-I)	9.35	-
Deendayal Port Trust			
35	Unlocking of capacities at IOCL single point moorings at Vadinar & capacities at anchorages	-	17.40+
36	Installation of Floating cranes	30.00	1.00
	Total	1138.28	100.47

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Projects Awarded in 2017-18

SI No.	Name of the Project	Investment (Rs. Crores)	Capacity (MTPA)
Paradip Port Trust			
1	Deep Draft Coal Berth	655.56	10.00
Deendayal Port Trust			
2	Deployment of two Mobile Harbour Cranes	94.00	3.50
3	Setting up of a 14MW grid connected solar power project.	147.00	-
4	SIPC	167.46	-
Chennai Port Trust			
5	Strengthening of JD4&JD6 (Renamed as Balance work of Modernization of JD at portions of JD4 & JD 6 and Dredging alongside of JD4 & JD6)	7.36	-
6	Construction of Bunker Barge berth at Bharti Dock	44.00	1.00
New Mangalore Port Trust			
7	Constn. of 2 Nos. of Warehouses outside the Custom bond area.	18.08	-
Mumbai Port Trust			
8	Lease of waterfront for Floating restaurant	20.00	-
9	Facelift of Indira Dock	50.00	-
10	Upgradation of International Cruise Terminal	195.00	-
11	Setting up of floating dry dock at Indira Dock Basin on PPP	100.00	-
Kolkata Port Trust			
12	Setting up of Outer Terminal-II for liquid cargo handling at HDC	94.59	2.00
13	Liquid Cargo Handling Jetty at Shalukkhali, Haldia Dock-II	172.52	2.43
14	2nd rail line from Durgachak to HDC Railway System under Sagarmala Project	78.84	-
V.O Chidambaranar Port Trust			
15	Dredging in front of Coastal berth.	107.53	-
16	Widening of the Existing Korampallam surplus course bridge and ROB.	41.55	-
Mormugao Port Trust			
17	Circulating road and gate complex connecting the 4 lane road landing near berth no.11	31.00	-
Kamarajar Port Ltd.			
18	Multi-User Liquid Terminal – II	393.00	3.00
19	Rail connectivity to Marine Liquid and Automobile Terminals	10.00	-
20	Development of Southern Rail Connectivity in lieu of Northern Rail Link Connectivity through IPRCL.	70.00	-

21	Railway Platform at Holding Yard No.2	32.32	-
22	"Widening and strengthening of Concrete road from West gate to entrance of North Break Water (4.5 Kms) – 4 lane road" changed to "Construction of Internal Road, Truck Parking bays, Rest Shelter etc. inside the port	51.55	-
Visakhapatnam Port Trust			
23	Extension of line No.11 to 15 to full length at R&D Yard	16.00	-
24	Construction of Grade separator from H-7 area to Port Connectivity road by-passing convent junction	59.91	-
Cochin Port Trust			
25	Strengthening of sub transmission and power distribution system. (ipds)	2.46	-
Total		2659.73	21.93

Projects Completed in 2017-18

SI No.	Name of the Project	Investment (Rs. Crores)	Capacity (MTPA)
Cochin Port Trust			
1	Construction of subway	30.00	-
2	Refurbishment and capacity enhancement of coastal Liquid terminal	19.95	0.50
Mormugao Port Trust			
3	Development of storage area for containers	12.67	-
4	Ferry service	5.00	-
Mumbai Port Trust			
5	Approach Jetty to KhanajiAngare Island	16.00	-
6	Development of Bunkering Facilities at Jawahar Dweep Phase II	36.00	1.00
7	Installation of Quick Release Mooring Hooks at Pirpau and JD-Phase II	3.66	-
Chennai Port Trust			
8	Up gradation of Cruise passenger Terminal at WQ IV	16.72	-
9	Installation of 400 kw Solar Power on Roof Top of Buildings	2.94	-
10	Development of Common Rail yard inside the Port	19.00	-
Deendayal Port Trust			
11	Berth 11 & 12 phase-II	159.81	7.20
Visakhapatnam Port Trust			
12	Phase-II connectivity of Vizag Port to NH-16 – 2 lane to 4 lane of 4 kms.	77.00	-
13	Ph-I Electrification of East Yard – 11.23 TKMs	20.00	-
14	Development of WQ.7 and WQ 8 berths	243.23	6.39
15	Upgradation of OHC – Phase-I	580.89	3.70
16	Providing direct connection between OEC and Western sector joining at NAD curve from E.Co. Rly.	16.75	-
17	Connection of dead end line at North of R&D Yard to Eastern Grid (3rd line) from E.Co. Rlys.	9.28	-
18	Additional line No. 1E on the Eastern side of R&D yard	14.42	-
19	MMLH by VPT and Balmer Lawrie & Co.,	211.00	-
Jawaharlal Nehru Port Trust			
20	Development of Fourth Container Terminal	4719.00	30.00
21	SEZ Phase-I Protection Wall	32.00	-
V.O Chidambaranar Port Trust			
22	Deployment of one number additional harbor mobile crane at III & IV berth under the terms and conditions of the existing concession agreement.	29.38	4.36
23	Construction of dedicated berth for handling Coastal Cargo at VOCPT	38.91	1.00

24	Appointment of EPC contractor for design, Construction and maintenance of Truck Parking terminal at the Port Land opposite to Fisheries College in V.O.Chidambaranar Port. (Sagarmala Project)	23.69	-
25	Road Connectivity to Hare island	7.00	-
26	Construction of North Cargo berth-II for handling bulk cargoes on DBFOT basis	332.16	7.00
27	Conversion of 8 th berth as container terminal on BOT basis for a period of 30 years	312.23	3.47
Kamarajar Port Limited			
28	Construction of Coal Berth 3	246.96	9.00
29	Capital Dredging Phase III	334.25	-
30	Enterprise Resource Planning(ERP) – total period 7 years	14.70	-
31	Construction of Coal Berth No.4	261.18	9.00
Kolkata Port Trust			
32	Deployment of 2 Floating Cranes at Sagar	65.36	2.02
33	Setting up of Floating Cargo Handling Jetty	73.70	2.55
Paradip Port Trust			
34	Multipurpose berth to handle clean cargo including containers on BOT basis	430.00	5.00
Total		8414.84	92.19

Projects Awarded in 2018-19

Sl. No.	Name of the Project	Investment (Rs. Crores)	Capacity (MTPA)
Jawaharlal Nehru Port Trust			
1	Installation of Container Scanners	120.00	-
New Mangalore Port Trust			
2	Installation of Container Scanners	40.00	-
3	Providing HM lightings to the newly developing yard between S.J.Gate and B.18	2.00	-
4	Providing HT / LT Switch Gears for Wharf Electrical Network at 33 KV MUSS	2.00	-
Kamarajar Port Ltd.			
5	Installation of Container Scanners	40.00	-
Vishakhapatnam Port Trust			
6	Installation of Container Scanners	40.00	-
7	Extension of the existing container terminal.	633.11	6.48
Paradip Port Trust			
8	LPG Terminal at South Oil Jetty	690.00	0.75
9	Installation of Container Scanners	40.00	-
Kolkata Port Trust			
10	Installation of Container Scanners	40.00	-
11	Strengthening and widening of Road work (4-5 roads)	13.60	-
12	Construction of 1.5 Lakh sq. meters of Hardstand inside the Dock.	54.48	-
13	Widening and strengthening of concrete road from G.C Berth main gate to Berth no. 13.	28.99	-
14	Setting up of 1 MW in solar power in township	5.93	-
Cochin Port Trust			
15	Installation of Solar panel of 100 KwP at various land at CoPT area-phase II	0.84	-
16	Upgradation of cruise berthing facilities at Ernakulam Wharf	25.70	-
17	"Providing Shore Power Supply to the vessels calling at Lakshadweep Berth at Willingdon Island" under the Plan Scheme Implementation of Environmental Management and Monitoring Plan (EMMP)	1.19	-
Deendayal Port Trust			
18	Solar Power Plant of 175 KWP decentralised Grid connected on roof top	1.80	-
19	Development of Dr. Baba Saheb Ambedkar Convention Centre-Gandhidham	33.00	-
20	Development of Oil Jetty No.8 at Old Kandla through internal resources	150.00	3.50
Mumbai Port Trust			
21	ERP	100.00	-

22	Modernisation of Sassoon Dock Fishing harbour.(Execution by GOM)	52.17	-
23	Evacuation Plan for Port and Ro-Ro Facility	39.00	-
24	Dredging of channel for BPX and BPs	2.00	-
Mormugao Port Trust			
25	Extension to Railway Line No 8	8.40	-
	Total	2164.21	10.73

Projects Completed in 2018-19

Sl. No.	Name of the Project	Investment (Rs. Crores)	Capacity (MTPA)
Deendayal Port Trust			
1	Deployment of two Mobile Harbour Cranes	94.00	3.50
2	Mechanization of fertilizer bagging and wagon loading	122.03	1.40
3	Providing rail connectivity for berth no. 13,14,15 & 16 from take off point to the western end of berth (Phase 1-ground improvement)	78.00	
4	Construction of 14th berth for multipurpose cargo (other than liquid/container), Kandla	138.28	4.50
5	Construction of 16th berth for multipurpose cargo (other than liquid/container), Kandla	149.56	4.50
Mormugao Port Trust			
6	Providing additional rail lines and paving	18.00	0.40
7	S&T system for railway yard	14.01	-
V.O . Chidambaranar Port Trust			
8	Commissioning of 8 nos of Hopper for 10 years on Revenue share (License basis)	38.08	6.41
9	Dredging in front of Coastal Berth	96.34	-
10	Construction of NCB III on EPC mode	36.52	10.22
Cochin Port Trust			
11	Construction of ROB	30.00	-
12	Multi-User Liquid Terminal at Puthuvypeen SEZ	240.00	4.10
13	Installation of Solar panel of 100 KwP at various land at CoPT area-phase II	0.84	-
14	Refurbishment of South Tanker Berth for laying Heat Traced pipe line for BPCL-KR at Cochin Port	29.22	
15	Strengthening of sub transmission and power distribution system. (IPDS).	4.34	
Visakhapatnam Port Trust			
16	Restoration / Rehabilitation of breasting and mooring dolphin of offshore tanker terminal (OSTT) at Outer Harbour.	20.67	
Mumbai Port Trust			
17	Development of Ro-Ro facility at Ferry Wharf	30.00	-
18	Domestic Cruise Terminal	15.00	-
19	Dredging of channel for BPX and BPS	2.00	-
20	Lease of Waterfront for floating restaurant	20.00	
21	Installation of Access control system	12.19	
Kolkata Port Trust			
22	Up gradation of Track nos. 10, 12, 14, 16, 18, 19,20,21,22 and 23 at EJC Yard.	37.17	

23	Modernization & Up gradation of existing Railway network of KDS under KoPT	9.42	
24	Development of hardstand area msg. about 1.13 lakh sq. mtrs. Behind Berth No. 13 inside the Dock.	44.34	-
25	Dismantling of damaged fender system/retrofitting of Jetty structure & installation of new fenders at Lead-in-Jetty of HDC, KoPT.	13.00	
26	Improvement of road connectivity to facilitate the trade and Port users at KDS of KoPT	14.91	-
Kamarajar Port Ltd.			
27	Construction of Internal Roads and Gate Complex	14.70	
28	Construction of Container Pre-Stacking Yard and other ancillary Works	25.79	
29	Development of LNG Terminal by IOCL on Captive basis	5151.00	5.00
30	MLT 1 additional pipelines and loading arms	27.30	2.00
Jawaharlal Nehru Port Trust			
31	Deepening & Widening of Mumbai Harbor Channel and JN Port Channel (Phase II)	1963.17	20.87
New Mangalore Port Trust			
32	Construction of Boundary wall and WBM road back side of VTMS building	5.37	
TOTAL		8495.25	62.90

Major Ports connectivity to hinterland through national waterways

S. No.	Major Ports	Connectivity with National Waterways (NWs)
1.	Haldia Dock-Kolkata Port Trust	1. NW-1 (Ganga-Bhagirathi-Hoogli river system – 1620 km) with Farakka (WB)-Sahibganj (Jharkhand)-Patna (Bihar)-Varanasi (UP) and Prayagraj (UP). 2. NW-2 (river Brahmaputra – 891 km) with NW-97 (Sunderbans-172 km) (WB) via Indo-Bangladesh Protocol route through Bangladesh (741.6 km) - Dhubri (Assam) – Pandu, Guwahati (Assam) – Jogighopa (Assam) – Neamati (Assam) and Sadiya (Assam). 3. NW-86 (river Roopnarayan 72 km) in West Bengal.
2.	Cochin Port Trust	NW-3 (West coast canal from Kozhikode to Kollam, Champakara canal & Udhoygamandal canal – 205 + 165 km), NW-9 (Alapuzha – Kottayam – Athirampuzha canal – 40 km) in the State of Kerala.
3.	Mormugao Port Trust	NW- 27 (Cumberjua canal), NW-68 (river Mandovi) and NW-111 (river Zuari) in Gao.
4.	Ennore Port Trust	NW-4 (Godavari, Kakinada canal, Eluru canal Krishna river, Commamur canal, Bakingham – Puduchery canal- 2890 km) in the States of Andhra Pradesh, Tamil Nadu and U.T. of Puducherry.
