

Concessioning Authority (Ports) and the Concessionaire (PPP operators). As such, any changes in the project parameters leads to post bid modification.

(e) and (f) Yes, Sir. After detailed examination of various issues including high storage charges faced in the PPP projects by various Major Ports, Indian Port Association (IPA), an apex body of Major Ports, submitted its report to the Ministry of Shipping. Ministry of Shipping, further constituted a Committee to examine the suggestion given in the IPA's report. The Committee has worked out a methodology for dealing with such cases of high storage charges and bring the stressed projects on track. A detailed guidelines in this regard have been conveyed to all Major Ports on 11.7.2018.

#### **Cargo traffic handling by ports**

2516. SHRI K.R. ARJUNAN: Will the Minister of SHIPPING be pleased to state:

(a) whether it is a fact that cargo traffic handled by ports in India is expected to reach 1,695 million metric tonnes by year 2021-22;

(b) if so, the details thereof;

(c) whether it is also a fact that within the ports sector, projects worth an investment of US \$ 10 billion have been identified and will be awarded over the coming five years; and

(d) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF SHIPPING (SHRI MANSUKH L. MANDAVIYA): (a) and (b) The National Transport Development Policy Committee (NTDPC) projected Indian Ports traffic for the year 2021-22 as 1695 Million Tonnes in its report India Transport Report: Moving India to 2023 in the year 2014. However, during the last 5 years traffic handled at Indian Ports are given as under:

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Major Ports	581.34	606.47	648.40	679.37	699.05
Non-Major Ports	470.60	465.91	485.22	529.10	578.50
All Indian Ports	1051.94	1072.38	1133.62	1208.47	1277.55

Compound Annual Growth Rate (CAGR) of traffic in Indian Ports between 2014-15 and 2018-19 is 4.98%. If the same growth rate is applied till 2021-22, the projected traffic of Indian Ports will be 1478 Million Tonnes.

(c) and (d) Under 'Port Modernisation and New Port Development' pillar of the Sagarmala programme, 96 projects with cost of US\$ 7.5 Billion (@ Rs 70/US\$) have been identified for award in next five years. The list of projects is given in Statement.

**Statement**

*Projects identified for 'Port Modernization and New Port Development under Sagarmala Programme*

Sl. No.	Project Name	Project Cost (₹ crore)	Expected Year of Award	Implementing Agency
1	2	3	4	5
1.	Development of Dry Dock at Timber Pond-Boat basin at Chennai port or Development of Marina	315	2019	Chennai Port Trust
2.	SBM terminal at Chennai port	600	2021	Chennai Port Trust
3.	Conversion of JD East into Multi cargo Berth at Chennai port	110	2021	Chennai Port Trust
4.	Development of Bharti Dock II for Additional Container Storage at Chennai or Development of Bharti Dock II berth and back up space for fully mechanised fertilizer terminal	100	2021	Chennai Port Trust
5.	Cryogenic Warehousing - Cochin	150	2019	Cochin Port Trust
6.	Development of Ro-Ro Terminal cum GCB-2 at KPL	150	2019	Kamarajar Port Limited
7.	Development of Oil Jetty 8 at Old Kandla	150	2019	Deendayal Port Trust
8.	LNG-LPG-SPM LNG Terminal at Kandla	5,000	2021	Deendayal Port Trust
9.	Mechanisation of Barge Unloading Facility at Kandla	100	2021	Deendayal Port Trust

1	2	3	4	5
10.	Mechanisation of Food Grains Handling Facility at Kandla	155	2021	Deendayal Port Trust
11.	Development of Ro-Ro Terminal at Kandla Port	70	2021	Deendayal Port Trust
12.	Development of Tuna Tekra Container Terminal at Kandla-Phase 1	1,500	2021	Deendayal Port Trust
13.	Development of Tuna Tekra Additional Bulk Terminal at Kandla - Phase 1	1,050	2021	Deendayal Port Trust
14.	Development of Tuna Tekra Container Terminal at Kandla-Phase 2	1,500	2021	Deendayal Port Trust
15.	Development of Tuna Tekra Additional Bulk Terminal-Phase 2 - Kandla	400	2021	Deendayal Port Trust
16.	Upgrading berth 2 and 11 KPD for coastal vessels at KoPT	8	2019	Kolkata Port Trust
17.	Setting up of Outer Terminal-I at HDC	481	2021	Haldia Dock Complex
18.	Building barge jetty for Coal in KPD II- KoPT	25	2021	Kolkata Port Trust
19.	Mechanisation of Berth 3 at HDC	323	2019	Haldia Dock Complex
20.	Building Barge Jetty to Support the Anchorage Operations at Haldia	120	2021	Haldia Dock Complex
21.	Mechanization of Berth 14 and Backup area for handling Container Terminal at NMPT	258	2019	New Mangalore Port Trust
22.	Deepening of Approach Channel Capesize vessels at Mormugao	194	2019	Mormugao Port Trust

1	2	3	4	5
23.	Development of POL berth at Mormugao	156	2019	Mormugao Port Trust
24.	Development of Coastal Cargo and General Cargo Berth	203	2021	Mormugao Port Trust
25.	Development of 2 berths with connecting flyover for Indian Navy and Coastguard at Vasco Bay - Mormugao	850	2019	Mormugao Port Trust
26.	Offshore Container Terminal - Mumbai Port	1,286	2019	Mumbai Port Trust
27.	Setting up of a Floating Storage and Regasification Unit -FSRU- Mumbai	2,690	2019	Mumbai Port Trust
28.	Development of Marina at Prince's Dock - Mumbai	200	2019	Mumbai Port Trust
29.	Mechanisation of CQ1 and CQ2 berths on BOT basis - Paradip	1,103	2021	Paradip Port Trust
30.	Drive through Container Scanner-1 No. - Tuticorin	50	2019	V.O. Chidambaranar Port Trust
31.	Channel and Basin Deepening of Inner Harbour Tuticorin for Fully Loaded Panamax Ships	335	2019	V.O. Chidambaranar Port Trust
32.	Conversion of Oil jetty to handle coal at Tuticorin Port	200	2019	V.O. Chidambaranar Port Trust
33.	NCB 1 - Utilisation of its full capacity at Tuticorin	10	2019	V.O. Chidambaranar Port Trust
34.	Upgradation of inner harbour - Barge berths for food grains at Tuticorin	100	2021	V.O. Chidambaranar Port Trust
35.	Upgradation of Inner Harbour-Deep draft bulk Berth - Tuticorin	330	2021	V.O. Chidambaranar Port Trust

1	2	3	4	5
36.	New Port at Vadhavan	9,267	2021	Jawaharlal Nehru Port Trust
37.	New transshipment Port at Kanyakumari Phase-I	8,840	2021	V.O. Chidambaranar Port Trust
38.	Construction of jetties at Borivali	15	2019	Maharashtra Maritime Board
39.	Capital dredging at Versova	37	2019	Maharashtra Maritime Board
40.	Construction of Passenger Jetty at Baruva in Srikakulam	59	2019	Andhra Pradesh Tourism Development Corporation
41.	Construction of Tourism Passenger Jetty at Manginapudi-Krishna	74	2019	Andhra Pradesh Tourism Development Corporation
42.	Construction of Tourism Passenger Jetty at Kothapatnam-Prakasam	62	2019	Andhra Pradesh Tourism Development Corporation
43.	Construction of Tourism Passenger Jetty at Maypadu- SPS Nellore	58	2019	Andhra Pradesh Tourism Development Corporation
44.	Development of Passenger Jetty- Sea Plane Jetty and upgradation of existing jetty at Kakinada	58	2019	Andhra Pradesh Tourism Development Corporation
45.	Construction of a passenger Jetty at Bheemunipatnam	79	2019	Andhra Pradesh Tourism Development Corporation
46.	Construction of a passenger Jetty at Kalingapatnam	48	2019	Andhra Pradesh Tourism Development Corporation
47.	Development of passenger jetties at Kakinada Port for tourism	100	2021	Department of Ports, GoAP

1	2	3	4	5
48.	Capital Dredging at Old Mangaluru Port -Bengre Side	29	2019	Ports & IWT, Karnataka
49.	Construction of coastal cargo berth at Old Mangaluru Port	65	2019	Ports & IWT, Karnataka
50.	Construction of Coastal cargo berth of 250 m at Karwar Port	61	2019	Ports & IWT, Karnataka
51.	Capital dredging- including rock dredging at Karwar port to increase the draft up to 16m	100	2020	Ports & IWT, Karnataka
52.	Construction of Dry dock for Coastal vessels repairs at Old Mangaluru Port	60	2021	Ports & IWT, Karnataka
53.	Coastal berth for passenger-cargo at Porbandar Port	37	2019	Gujarat Maritime Board
54.	Upgrading of existing Alang Sosiya ship recycling yard with the help of JICA ODA loan	715	2019	Gujarat Maritime Board
55.	Coastal jetty at Navlakhi for cement	108	2020	Gujarat Maritime Board
56.	Construction of jetties at Shiroda	12.48	2019	Captain of Ports, Goa
57.	Construction of jetties at Durbhat	5.20	2019	Captain of Ports, Goa
58.	Construction of jetties at Cortalim-Rassaim	6.01	2019	Captain of Ports, Goa
59.	Construction of jetties at Aldona	8.17	2019	Captain of Ports, Goa
60.	Construction of jetties at Sanvordem	6.56	2019	Captain of Ports, Goa
61.	Construction of coastal berths-dredging and construction of break-water at Azhikkal Port	496	2019	Kerala Ports
62.	Construction of jetties at Raibander	7.11	2019	Captain of Ports, Goa
63.	Construction of jetties at Old Goa-Divar	6.17	2019	Captain of Ports, Goa

1	2	3	4	5
64.	Construction of jetties at Banastarim	9.89	2019	Captain of Ports, Goa
65.	Construction of jetties at Pilgao	11.45	2019	Captain of Ports, Goa
66.	Extension of passenger berthing facility at Kanyakumari Port	20	2019	Tamil Nadu Maritime Board
67.	Construction of Landing Platform for pleasure Tourism in Gurupur river	10	2021	Ports & IWT, Karnataka
68.	Modernization of Infrastructure at Kakinada Anchorage Port	90	2019	Department of Ports, GoAP
69.	New deep Sea port at Tajpur-Purba Medinipore- West Bengal	5,808	2021	Kolkata Port Trust
70.	Development of Sea Port Terminal at Phoenix Bay Harbour- Port Blair	27	2019	Andaman Lakshadweep Harbour Works
71.	Development of Sea Port Terminal at (Havelock) Swaraj Dweep	25	2019	Andaman Lakshadweep Harbour Works
72.	Providing separate approach way for cargo movement in Havelock jetty at Havelock	11	2019	Andaman Lakshadweep Harbour Works
73.	Tourism Jetty at Durgadi-Kalyan in Thane District	9.12	2019	Maharashtra Maritime Board
74.	Tourism Jetty at Diveagar in Raigad District	7.81	2019	Maharashtra Maritime Board
75.	Tourism Jetty at Underi in Raigad District	9.12	2019	Maharashtra Maritime Board
76.	Tourism Jetty at Padmadurg in Raigad District	8.3	2019	Maharashtra Maritime Board
77.	Tourism Jetty at Suvarnadurg in Ratnagiri District	8.8	2019	Maharashtra Maritime Board
78.	Tourism Jetty at Guhagar in Ratnagiri District	8.46	2019	Maharashtra Maritime Board

1	2	3	4	5
79.	Tourism Jetty at Chivla in Sindhudurg District	9.46	2019	Maharashtra Maritime Board
80.	Extension of berthing jetty at Campbell bay in Great Nicobar Island	49	2019	Andaman Lakshadweep Harbour Works
81.	Construction of Passenger jetty and Allied Facilities at Devichapada Dombivali-Tal. Kalyan	12.68	2019	Maharashtra Maritime Board
82.	Construction of jetty at Arnala fort-Tal. Vasai- Dist. Thane	9.94	2019	Maharashtra Maritime Board
83.	Passenger Jetty at Vasco Bay-MoPT	21	2019	Mormugao Port Trust
84.	Capital Dredging for Puducherry Port	68.75	2019	Govt. of Puducherry
85.	Multipurpose Jetty at Chhoti Chowpatty - Marine Drive	45	2019	Mumbai Port Trust
86.	New Port - Kakinada SEZ -KSEZ	2123	2019	GMR
87.	Development of Western Dock Basin - 2 Captive berths for port dependent industries	2000	2019	Paradip Port Trust
88.	Construction of Oil Jetty 10 and 11 at Kandla	200	2022	Deendayal Port Trust
89.	Extended port gate at Balagarh	320	2019	Kolkata Port Trust
90.	Procurement of 1 no. Rail Mounted Quay Crane - RMQC at HDS	61.31	2019	Haldia Dock Complex
91.	Construction of Additional car parking yard for RoRo cum GCB-2	50	2019	Kamarajar Port Limited
92.	Development of LNG FSRU Terminal at NMPT	331	2019	New Mangalore Port Trust



1	2	3	4	5
93.	Setting up of FSRU in the Outer Harbour for LNG	200	2019	Visakhapatnam Port Trust
94.	Cruise-cum-coastal cargo terminal	77	2020	Visakhapatnam Port Trust
95.	JNPT-Mumbai Port Barge-Ship Operations to Reduce City Congestion and Create Value for Trade	160	2019	Mumbai Port Trust
96.	Removal of 2 Nos. Mooring of Spiral in the area of Cruise Berth-Mormugao	13.87	2019	Mormugao Port Trust

#### **Project for modernisation of ports**

2517. SHRI K.R. ARJUNAN: Will the Minister of SHIPPING be pleased to state:

(a) whether it is a fact that the capacity addition at ports is expected to grow at a Compound Annual Growth Rate (CAGR) of 5 to 6 per cent till year 2022, thereby adding 275-325 MT of capacity;

(b) whether it is also a fact that under the Sagarmala programme, Government has envisioned a total of 189 projects for modernisation of ports involving an investment of ₹ 1.42 million by the year 2035; and

(c) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF SHIPPING (SHRI MANSUKH L. MANDAVIYA): (a) Yes Sir. The capacity addition at ports is expected to grow at a Compound Annual Growth Rate (CAGR) of approx 6% till 2022 thereby adding around 500 MTPA of capacity.

(b) and (c) Under the Sagarmala, Government has identified 252 projects for modernisation of Ports involving an investment of ₹ 139,284 crores by the year 2035. The details of projects is given in Statement.