

R F D
RESULTS FRAMEWORK DOCUMENT
2015-16
FOR
MUMBAI PORT TRUST

Section 1:

Vision, Mission, Objectives and Functions

Vision

To ensure vibrant, efficient and safe port operations and shipping services, promote development of the Port of Mumbai to attain global standards.

Mission

- 1 To enhance capacity of Mumbai Port to cater to EXIM trade.
- 2 To improve efficiency of Mumbai Port for the benefit of the port users.
- 3 Ensure safety of port operations and navigation in MbPT waters and cargo operational areas.

Objective

- 1 To augment Port capacity
- 2 To provide efficient, prompt, safe and timely service at optimum cost
- 3 Increase in Traffic throughput
- 4 To provide cost effective operations
- 5 Computerisation of land records with GIS mapping
- 6 Non-conventional Energy Projects
- 7 Aadhar based Bio-metric System
- 8 Key BCG Recommendations
- 9 Swatchha Bharat Abhiyan

Functions

- 1 Implementation of projects and commissioning of sanctioned projects for capacity addition.
- 2 To increase the draft of main channel and approaches to accommodate 14 mtr draft vessels.
- 3 Upgradation of VTMS and other navigational aids.
- 4 To render efficient service to shipping agents by efficient cargo handling.
- 5 To render efficient service to shippers / consignees by ensuring proper utilization of storage places.
- 6 Timely submission of Budget, Annual Accounts & Annual Administration Report.

Section 2

Inter se Priorities among Key Objectives, Success indicators and Targets

| Sl. No. | Objective | Weight | Action | Success Indicator | Unit | Weight | Target / Criteria Value | | | | |
|----------|--|--------|--|---|--------------------|--------|-------------------------|------------|------------|------------|------------|
| | | | | | | | Excellent | Very Good | Good | Fair | Poor |
| | | | | | | | 100% | 90% | 80% | 70% | 60% |
| 1 | To augment Port capacity | 24.00 | [1.1] Increase in total capacity | [1.1.1] Incremental capacity by the end of the financial year | MMT | 2.00 | 1.25 | 1.00 | 1.50 | 1.00 | 0.50 |
| | | | [1.2] Capacity augmentation through PPP/ Non-PPP/ Captive Projects | [1.2.1] Award of Contracts Bunkering Terminal | Date | 5.00 | 31.10.2015 | 30.11.2015 | 31.12.2015 | 31.01.2016 | 29.02.2016 |
| | | | | LNG/FSRU on PPP Basis | | 5.00 | 31.01.2016 | 28.02.2016 | 15.03.2016 | 22.03.2016 | 31.03.2016 |
| | | | | Fifth Oil Berth | | 5.00 | 31.12.2015 | 31.01.2016 | 15.02.2016 | 29.02.2016 | 31.03.2016 |
| | | | | Licensing Floating Cranes at anchorage | | 5.00 | 31.01.2016 | 15.02.2016 | 29.02.2016 | 15.03.2016 | 31.03.2016 |
| | | | [1.3] Port Development projects through internal resources | [1.3.1] Percentage of Expenditure to IEBR | % | 2.00 | 95.00 | 90.00 | 85.00 | 75.00 | 65.00 |
| 2 | To provide efficient, prompt, safe and timely service at optimum cost | 10.00 | [2.1] Reduction in Average Turnround time | [2.1.1] Reduction achieved by end of financial year | No. of days | 5.00 | 4.00 | 4.50 | 4.75 | 5.00 | 5.50 |
| | | | [2.2] Increase in Average Output per ship per day | [2.2.1] Increase achieved by end of financial year | tonnes per shipday | 5.00 | 8900 | 8700 | 8400 | 8000 | 7500 |
| 3 | Increase in Traffic throughput | 10.00 | [3.1] Traffic throughput | [3.1.1] Volume of cargo handled during the year | MMT | 10.00 | 65.66 | 63.00 | 60.00 | 58.00 | 55.00 |

| Sl. No. | Objective | Weight | Action | Success Indicator | Unit | Weight | Target / Criteria Value | | | | |
|---------|---|--------|--|---|---------------|--------|-------------------------|-----------------|-----------------|-----------------|-----------------|
| | | | | | | | Excellent | Very Good | Good | Fair | Poor |
| | | | | | | | 100% | 90% | 80% | 70% | 60% |
| 4 | To provide cost effective operations | 20.00 | [4.1] Improving operations efficiency | [4.1.1] Ratio of Operating expenditure to Operating income | % | 4.00 | 75.00 | 76.00 | 77.00 | 78.00 | 79.00 |
| | | | [4.2] Reduction in Operating Expenditure per tonne of cargo handling | [4.2.1] Operating Expenditure per tonne of cargo handled | Rs. Per tonne | 4.00 | 160.00 | 165.00 | 175.00 | 185.00 | 195.00 |
| | | | [4.3] Reduction in Overtime Expenditure | [4.3.1] % reduction over the previous year-2013-14 | % | 4.00 | 8.00 | 6.00 | 5.00 | 4.00 | 3.00 |
| | | | [4.4] Reduction in Expenditure on CISF Security | [4.4.1] % reduction over the previous year-2013-14 | % | 4.00 | 8.00 | 6.00 | 5.00 | 4.00 | 2.00 |
| | | | [4.5] Reduction in Medical Expenses | [4.5.1] % reduction over the previous year-2013-14 | % | 4.00 | 12.00 | 10.00 | 8.00 | 6.00 | 4.00 |
| 5 | Computerisation of land records with GIS mapping | 4.00 | (5.1) Computerisation of land records | (5.1.1) Providing facility for searching through Document Management System software for about 3.5 lakh documents and drawings of Estate. | Date | 2.00 | 31st Dec., 2015 | 31st Jan., 2016 | 29th Feb., 2016 | 15th Mar., 2016 | 31st Mar., 2016 |
| | | | (5.2) Completion of GIS Project | (5.2.1) Availability of GIS on purpose built portal | Date | 2.00 | 31st Dec., 2015 | 31st Jan., 2016 | 29th Feb., 2016 | 15th Mar., 2016 | 31st Mar., 2016 |
| 6 | Non-conventional Energy Projects | 4.00 | (6.1) Generation of electricity by installation of solar photovoltaic power plant under green initiative | (6.1.1) Install 125 KW roof-top Solar Photovoltaic plant | Date | 2.00 | 15th Jan, 2016 | 31st Jan, 2016 | 28th Feb., 2016 | 15th Mar., 2016 | 31st Mar., 2016 |

| Sl. No. | Objective | Weight | Action | Success Indicator | Unit | Weight | Target / Criteria Value | | | | |
|---------|-------------------------------|--------|---|---|------|--------|-------------------------|-----------------|-----------------|-----------------|-----------------|
| | | | | | | | Excellent | Very Good | Good | Fair | Poor |
| | | | | | | | 100% | 90% | 80% | 70% | 60% |
| 7 | Aadhar based Biometric System | 6.00 | [7.1] Registration of serving employees | [7.1.1] % registered employees | % | 3.00 | 100.00 | 90.00 | 80.00 | 70.00 | 60.00 |
| | | | [7.2] Registration of pensioners | [7.2.1] % registered pensioners | % | 3.00 | 90.00 | 80.00 | 70.00 | 60.00 | 50.00 |
| 8 | Key BCG Recommendations | 20.00 | [8.1] Quick release hook | [8.1.1] Award of Contract | Date | 5.00 | 30th Nov., 2015 | 31st Dec., 2015 | 31st Jan., 2016 | 29th Feb., 2016 | 31st Mar., 2016 |
| | | | [8.2] Setting up of testing lab | [8.2.1] Formal arrangement for common lab & functioning of lab | Date | 5.00 | 30th Nov., 2015 | 31st Dec., 2015 | 31st Jan., 2016 | 29th Feb., 2016 | 31st Mar., 2016 |
| | | | [8.3] Provide better customer service to OEMs | [8.3.1] Provision of dedicated storage area and fuel supply at port | Date | 5.00 | 31st Oct, 2015 | 31st Nov, 2015 | 31st Dec, 2015 | 31st Jan, 2016 | 29th Feb, 2016 |
| | | | [8.4] Re-bidding and alternative use of OCT | [8.4.1] Re-bidding and commencement of alternative use of OCT | Date | 5.00 | 29th Feb., 2016 | 7th Mar., 2016 | 15th Mar., 2016 | 22nd Mar., 2016 | 31st Mar., 2016 |
| 9 | Swatchha Bharat Abhiyan | 4.00 | [9.1] Painting of Structures | [9.1.1] No. of structures | No. | 1.00 | 10 | 8 | 6 | 4 | 2 |
| | | | [9.2] Painting Road Signs, zebra crossings, etc. | [9.2.1] No. of signs | No. | 1.00 | 100 | 80 | 60 | 40 | 20 |
| | | | [9.3] Cleaning and repairs of port roads | [9.3.1] Length of roads | Km | 1.00 | 10.00 | 8.00 | 6.00 | 4.00 | 2.00 |
| | | | [9.4] Plantation in open areas, avenues and corners | [9.4.1] No. of plants | No. | 1.00 | 500 | 400 | 300 | 200 | 100 |

Section 3
Trend Values of Success Indicators

| Sl.No. | Objective | Action | Success Indicator | Unit | Actual Value for FY 13/14 | Actual Value for FY 14/15 | Target Value for FY 15/16 | Projected Value for FY 16/17 | Projected Value for FY 17/18 |
|--------|--|--|---|--------------------|---------------------------|---------------------------|---------------------------|------------------------------|------------------------------|
| 1 | To augment Port capacity | [1.1] Increase in total capacity | [1.1.1] Incremental capacity by the end of the financial year | MMT | 1.00 | 0.00 | 1.00 | 2.00 | 6.75 |
| | | [1.2] Capacity augmentation through PPP/ Non-PPP/ Captive Projects | [1.2.1] Award of Contracts Bunkering Terminal LNG/FSRU on PPP Basis | Date | --- | --- | 30.11.2015 | --- | --- |
| | | | | | --- | --- | 28.02.2016 | --- | --- |
| | | | | | --- | --- | 31.01.2016 | --- | --- |
| | | | | | --- | --- | 15.02.2016 | --- | --- |
| | | [1.3] Port Development projects through internal resources | [1.3.1] Percentage of Expenditure to IEBR | % | 55.19 | 22.51 | 90.00 | 90.00 | 90.00 |
| 2 | To provide efficient, prompt, safe and timely service at optimum cost | [2.1] Reduction in Average Turnround time | [2.1.1] Reduction achieved by end of financial year | No. of days | 4.78 | 5.28 | 4.50 | 4.70 | 4.65 |
| | | [2.2] Increase in Average Output per ship per day | [2.2.1] Increase achieved by end of financial year | tonnes per shipday | 9415 | 7619 | 8700 | 9000 | 9500 |
| 3 | Increase in Traffic throughput | [3.1] Traffic throughput | [3.1.1] Volume of cargo handled during the year | MMT | 59.18 | 61.66 | 63.00 | 65.00 | 70.00 |

| Sl.No. | Objective | Action | Success Indicator | Unit | Actual Value for FY 13/14 | Actual Value for FY 14/15 | Target Value for FY 15/16 | Projected Value for FY 16/17 | Projected Value for FY 17/18 |
|--------|---|--|---|---------------|---------------------------|---------------------------|---------------------------|------------------------------|------------------------------|
| 4 | To provide cost effective operations | [4.1] Improving operations efficiency | [4.1.1] Ratio of Operating expenditure to Operating income | % | 84.25 | 79.58 | 76.00 | 73.00 | 73.00 |
| | | [4.2] Reduction in Operating Expenditure per tonne of cargo handling | [4.2.1] Operating Expenditure per tonne of cargo handled | Rs. Per tonne | 194.31 | 171.91 | 165.00 | 165.00 | 165.00 |
| | | [4.3] Reduction in Overtime Expenditure | [4.3.1] % reduction over the previous year-2013-14 | % | --- | 5.33 | 6.00 | 5.00 | 5.00 |
| | | [4.4] Reduction in Expenditure on CISF Security | [4.4.1] % reduction over the previous year-2013-14 | % | --- | -13.08 | 6.00 | 5.00 | 5.00 |
| | | [4.5] Reduction in Medical Expenses | [4.5.1] % reduction over the previous year-2013-14 | % | --- | 7.54 | 10.00 | 10.00 | 10.00 |
| 5 | Computerisation of land records with GIS mapping | (5.1) Computerisation of land records | (5.1.1) Providing facility for searching through Document Management System software for about 3.5 lakh documents and drawings of Estate. | Date | --- | --- | 31st Jan., 2016 | --- | --- |
| | | (5.2) Completion of GIS Project | (5.2.1) Availability of GIS on purpose built portal | Date | --- | --- | 31st Jan., 2016 | --- | --- |

| Sl.No. | Objective | Action | Success Indicator | Unit | Actual Value for FY 13/14 | Actual Value for FY 14/15 | Target Value for FY 15/16 | Projected Value for FY 16/17 | Projected Value for FY 17/18 |
|--------|---|--|---|------|---------------------------|---------------------------|---------------------------|------------------------------|------------------------------|
| 6 | Non-conventional Energy Projects | (6.1) Generation of electricity by installation of solar photovoltaic power plant under green initiative | (6.1.1) Install 125 KW roof-top Solar Photovoltaic plant | Date | --- | --- | 31st Jan, 2016 | --- | --- |
| 7 | Aadhar based Biometric System | [7.1] Registration of serving employees | [7.1.1] % registered | % | --- | --- | 90.00 | --- | --- |
| | | [7.2] Registration of pensioners | [7.2.1] % registered | % | --- | --- | 80.00 | --- | --- |
| 8 | Key BCG Recommendations | [8.1] Quick release hook | [8.1.1] Award of Contract | Date | --- | --- | 31st Dec., 2015 | --- | --- |
| | | [8.2] Setting up of testing lab | [8.2.1] Formal arrangement for common lab & functioning of lab | Date | --- | --- | 31st Dec., 2015 | --- | --- |
| | | [8.3] Provide better customer service to OEMs | [8.3.1] Provision of dedicated storage area and fuel supply at port | Date | --- | --- | 31st Nov, 2015 | --- | --- |
| | | [8.4] Re-bidding and alternative use of OCT | [8.4.1] Re-bidding and commencement of alternative use of OCT | Date | --- | --- | 7th Mar., 2016 | --- | --- |
| 9 | Swatchha Bharat Abhiyan | [9.1] Painting of Structures | [9.1.1] No. of structures | No. | --- | --- | 8.00 | --- | --- |
| | | [9.2] Painting Road Signs, zebra crossings, etc. | [9.2.1] No. of signs | No. | --- | --- | 80.00 | --- | --- |
| | | [9.3] Cleaning and repairs of port roads | [9.3.1] Length of roads | Km | --- | --- | 8.00 | --- | --- |
| | | [9.4] Plantation in open areas, avenues and corners | [9.4.1] No. of plants | No. | --- | --- | 400.00 | --- | --- |

Section 4

Description and Definition of Success Indicators and Proposed Measurement Methodology

| Sl. No | Success Indicator | Description and Definition | Measurement Methodology |
|--------|------------------------|--|--|
| 1 | Financial Progress | Actual expenditure incurred on scheme | % of actual amount spent w.r.t. total cost of the scheme. |
| 2 | Physical Progress | Actual quantum of work completed | % of actual quantum of work completed w.r.t. total work of the scheme. |
| 3 | Capacity Addition | Creation of additional capacity by end of financial year. | Increase in cargo handling capacity in million tonnes. |
| 4 | Dredging | The quantity of soil or debris removed from beneath water to create a greater depth in water. | Quantum of material removed in cubic meter. |
| 5 | Turnround Time | Time in days from readiness of a ship to the port till departure from the port. | Measured in days. |
| 6 | Pre-berthing Detention | Time taken by a ship from its readiness at the anchorage till its start its movement to the berth. | Measured in hours. |
| 7 | Ship Berthday Output | The ratio of the aggregate cargo to the total no. of berth days. | Measured in tonnes. |

Description of Acronyms

| Sl. No | Acronym | Description |
|--------|---------|--------------------------------------|
| 1 | VTMS | Vessel Traffic Management System |
| 2 | PPP | Public Private Participation |
| 3 | IEBR | Internal & Extra Budgetary Resources |
| 4 | MMT | Million Metric Tonnes |

Section 5

Specific Performance Requirements from other Departments

| Department | Relevant Success Indicator | What do you need? | Why do you need it? | How much you need? | What happens if you do not get it? |
|---|---|--|--|---|--|
| Ministry of Road, Transport and Highways | Sanction and timely completion of Road linkage projects for Major Ports | Timely sanction and completion of projects | Road Linkage is critical for commissioning of new projects of ports and to cater to increasing traffic | Four lane connectivity to all Major Ports | Congestion and reduction of tonnage and traffic respectively |
| Ministry Railways | Sanction and timely completion of Rail Linkage projects for Major Ports | Timely sanction and completion of projects | Rail Linkage is critical for commissioning of new projects of ports and to cater to increasing traffic | Double Line Rail connectivity to all Major Ports | Congestion and reduction of tonnage and traffic respectively |
| Ministry of Environment and Forest | Environmental Clearance | Timely Environmental Clearance | Under their jurisdiction | Within two months of submission of specific proposals | Pre-requisite for commencement of the project |
| Department of Expenditure | EFC approval | Timely approval | Under their jurisdiction | Within one month of submission of proposal | Pre-requisite for commencement of the project |
| Department of Economic Affairs, Ministry of Finance | PPPAC approval | Approvals in time | Procedural requirement for timely award of projects | Within one month of submission of proposal | Pre-requisite for timely sanction of the project |
| Planning Commission | Appraisal for projects taken up through IEBR/ appraisal for EFC notes | Appraisal in time | Procedural requirement for timely award of projects | Within one month of submission of proposal | Pre-requisite for timely sanction of the project |
| Ministry of Home Affairs | Security/Clearances for PPP Projects | Security Clearances in time | For timely sanction of projects | Within one month of submission of proposal | Pre-requisite for timely sanction of the project |
| Ministry of Defence | | | | | |
| Ministry of External Affairs | | | | | |
| Cabinet Secretariat | | | | | |

Section 6
Outcome / Impact of Department / Ministry

| Objective | Jointly responsible for influencing this outcome / Impact with the following department (s) / Ministry(ies) | Success Indicator | Unit | Actual Value for FY 13/14 | Actual Value for FY 14/15 | Target Value for FY 15/16 | Projected Value for FY 16/17 | Projected Value for FY 17/18 |
|--|--|---|---------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| 1) Capacity Augmentation of Mumbai Port | PPP BOT operator, Traffic Deptt., Civil Engineering Deptt., Mechanical Engineering Deptt. | Incremental capacity by the end of the financial year | MMT | ---- | 0.00 | 1.00 | 2.00 | 6.75 |
| 2) Improved efficiency of Ports | PPP BOT operator, Traffic Deptt., Dy. Conservator, Mechanical Engineering Deptt. | Average Turnround time attributable to Port account-Reduction in days | No. of days | 4.78 | 5.28 | 4.50 | 4.70 | 4.65 |
| | | Average Pre-berthing detention time attributable to Port account-Reduction in hours | No. of hrs. | 9415.00 | 7619.00 | 8700.00 | 9000.00 | 9500.00 |
| | | Average Output per ship per day | Tonnes | 59 | 62 | 63 | 65 | 70 |
| 3) Maintain / Improve drafts of channels and berths. | Dy. Conservator, Civil Engineering Deptt. | Improvement in capital dredging works / draught of channels for berthing of ships | Qty. Dredged in MCM | 278.56 | 251.49 | 241.00 | 165.00 | 165.00 |

Mumbai Port Trust
Plan Outlay for RFD 2015-16

(Rs. In crores)

| Sr. No | Name of the Scheme / Project | 12th Plan (2012-17) Approved Outlay | Annual Plan 2015-16 Outlay for RFD | Expenditure during the year upto August 2015 |
|--------|--|-------------------------------------|------------------------------------|--|
| 1 | Construction of two off shore berths for handling containers at Mumbai Port. | 320.00 | 1.00 | 6.68 |
| 2 | Construction of second berth for handling liquid chemicals/specialised grades of POL off New Pir Pau Pier. | 116.00 | 15.00 | 15.00 |
| 3 | Dredging & Infrastructure development for handling bigger ships at 18 to 21 ID, harbour wall berths. | 353.00 | 0.10 | -- |
| 4 | Improvement to port connectivity - Improvement of rail & road infrastructure. | 211.81 | 65.00 | |
| | a) Rail : | 171.81 | 55.00 | -- |
| | b) Road : | 40.00 | 10.00 | -- |
| 5 | Construction of 5th oil berth. | 375.00 | 0.01 | |
| 6 | Construction of transit shed at Indira Dock. | 40.00 | 0.01 | -- |
| 7 | Deepening of main harbour channel. | 162.00 | 0.10 | -- |
| 8 | Upgradation of 4th oil berth. | 50.00 | 0.01 | -- |
| 9 | Replacement of 20 Ton crane at HDD. | 5.00 | 0.01 | -- |
| 10 | Replacement of 14" dia flushing pipeline from Pir Pau to Wadala. | 10.00 | 0.01 | -- |
| 11 | Wireless Addressable Disaster detection Communication System with centralised wireless monitoring station at MbPT. | -- | 0.01 | -- |
| 12 | Procurement of Radio Active Detector Scanner. | -- | 0.50 | -- |
| 13 | Integrated Computer based Business Solution (ERP) and Computers. | -- | 3.00 | -- |
| 14 | Restorative repairs to Fourth Oil Berth at Jawahar Dweep and First Chemical Jetty at Pir Pau. | -- | 18.00 | |
| | Part - I | -- | -- | 1.60 |
| | Part - II | -- | -- | 3.40 |
| 15 | Floating Storage Regasification Unit (FSRU) in Mumbai Harbour. | -- | 0.01 | -- |
| 16 | Development of storage area at South of OGPD (erstwhile Dry Dock aeea) beyond OCT boundary limits. | -- | 0.01 | -- |
| 17 | Consultancy for various projects in Planning Division, CE Deptt. | -- | 0.22 | -- |
| | GRAND TOTAL | 1642.81 | 103.00 | 26.68 |