



No. MMRDA/MTHL-PIU/JICA/QPR-24/2178/2023

Date: 18th July 2023

To, Chief Representative,

Japan International Cooperation Agency (JICA) Mumbai Trans Harbour Link Project (I) 16th Floor, Hindustan Times House, 18-20, Kasturba Gandhi Marge, New Delhi-110-001

Sub: Mumbai Trans Harbour Link Project (I) (ID-P255)

 Quarterly Progress Report (QPR) No. 24 for January 2023 to March 2023.

Sir,

The Quarterly Progress Report (QPR) No. 24 for the Mumbai Trans Harbour Link Project (I) for the period of January 2023 to March 2023 is enclosed herewith for information please.

Thanking you.

Yours faithfully,

Encl.: QPR-24 (January 2023 to March 2023)

(S. A. Wandhekar) Engineer- In- Chief



AECOM

PADECO

dar

TYLIN

General Consultant for Mumbai Trans Harbour Link Project

Ref No: MTHL/GC/MMRDA/LT/QPR-3642/2023

19th April 2023

To,

Engineer-in-Chief

Engineering Division

Mumbai Metropolitan Regional Development Authority (MMRDA)

2nd Floor, New MMRDA Building,

Plot No R-06 & R-12, 'E* Block

Bandra Kurla Complex, Bandra (E),

Mumbai, Maharashtra, India 400051.

Sub: General Consultancy services for Mumbai Trans Harbour Link (MTHL) project -

Submission of the Draft Quarterly Progress Report (QPR) No. 24 for January -

February-March 2023 for review

Dear Sir.

With reference to the above subject, please find enclosed a hard copy of the draft for Quarterly Progress Report (QPR) No. 24 along with the updated attachments for the period of January to March 2023 for your review.

Thanking you, Yours faithfully

For

K.R.Shi vananda

Dr. SH Robin Sham, CBE

(BSc, PhD, DIC, FCGI, FRSA, CEng, FICE, FIStructE, FHKIE)

The Engineer

General Consultant (MTHL)

Enci: A draft copy of the Quarterly Progress Report No. 24 (January- March 2023)

CC: Superintending Engirneer – MMRDA - Mr. Purushottam Nimje Executive Engineer – MMRDA – Mr. Arjun Korgaonkar

Superintending Engineer – MMRDA - Mr. Arjun Korgaonkar
Superintending Engineer – MMRDA - Mr. Yatin Sakhalkar

Executive Engineer - MMRDA - Mr. Abhijit Bhisikar

Executive Engineer - MMRDA - Mr. M. P. Singh

By Email



Mumbai Metropolitan Region Development Authority

Mumbai Trans Harbour Link Project

Quarterly Progress Report - No. 24

(From 1st Jan 2023 to 31st March 2023)



Mumbai Trans Harbour Link Project Quarterly Progress Report No. 24 1st Jan 2023 to 31st March 2023

Loan Agreement No. ID-P255 (Tranche-I), ID-P283 (Tranche-II) & ID-307 (Tranche-III)

ORGANIZATION INFORMATION

	Mumbai Me	tropolitan Region Development Authority				
	Person in	Metropolitan Commissioner, MMRDA				
	Charge					
Borrower	Contact	M.M.R.D.A. New Office Building, Bandra-Kurla Complex,				
	Address	Plot no. R-5, R-6 & R-12, E Block, Bandra (East),				
		Mumbai - 400051				
		Phone: +91-22-26594000 Fax No:+91-22-2659 1264				
	Mumbai Trans Harbour Link Project Implementation Unit					
	Headed by:	Engineer-In-Chief				
Evecutions		Mumbai Trans Harbour Link Project Implementation Unit				
Executing Agency	Contact	M.M.R.D.A. New Office Building, Bandra-Kurla Complex,				
	Address	Plot no. R-5, R-6 & R-12, E Block Bandra (East),				
		Mumbai - 400 051				
		Phone: +91-22-2659 4034 Fax No: +91-22-2659 4179				

Details of JICA Loan

	JICA ODA Loan Portion:	238,572 million Japanese YEN (JPY)
Source of	Tranche-I:	144,795 million Japanese YEN (JPY) (Loan Agreement signed on 31st Mar 2017)
Finance	Tranche-II:	66,909 million Japanese YEN (JPY) (Loan Agreement signed on 27 th Mar 2020)
	Tranche-III:	30,755 million Japanese YEN (JPY) (Loan Agreement signed on 27 th Feb 2023)
Terms and Conditions of JICA ODA Loan (Tranche-1)	Repayment Period:	30 years, including 10 years of the grace period.



DOCUMENT VERIFICATION AND REVISION RECORD

PR	OJECT NAME	IAME Mumbai Trans Harbour Link Project						
DO	C NO.	24	Т	DATE	OF ISSUE	4010410000		
DO	C TITLE	Quarterly Progress Report No. 24		DATE	OF 1880E	16/04/2023		
REV No.	The Control of the Co	DESCRIPTION		PARED BY	CHECKED BY	/ APPROVED BY		
RO	05/07/2017	Quarterly Progress Report No. 1 (Apr-Jun 17)	J Se	enthil	Dr T K Sundaram	Dr Robin Sham		
R0	05/10/2017	Quarterly Progress Report No. 2 (Jul-Sep 17)	J Se	enthil	Dr T K Sundaram	Dr Robin Sham		
R0	05/01/2018	Quarterly Progress Report No. 3 (Oct-Dec 17)	J Se	enthil	Dr T K Sundaram	Dr Robin Sham		
RO	05/04/2018	Quarterly Progress Report No. 4 (Jan-Mar 18)	J Se	enthil	Dr T K Sundaram	Dr Robin Sham		
R0	24/07/2018	Quarterly Progress Report No. 5 (Apr-Jun 18)	Prash	nant B	Dr T K Sundaram	Dr Robin Sham		
R0	10/10/2018	Quarterly Progress Report No. 6 (Jul-Sep 18)	Prash	nant B	Dr T K Sundaram	Dr Robin Sham		
R1	08/02/2019	Quarterly Progress Report No. 7 (Oct-Dec 18)	Prashant B J Senthil/ Dr T K Sundaram		Dr T K	Dr Robin Sham		
R0	05/04/2019	Quarterly Progress Report No. 8 (Jan-Mar 19)	Prashant B		J Senthil	V. D. Sharma/ Dr Robin Sham		
R0	18/09/2019	Quarterly Progress Report No. 9 (Apr-Jun 19)	Prash	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	13/11/2019	Quarterly Progress Report No. 10 (Jul-Sep 19)	Prash	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	11/02/2020	Quarterly Progress Report No.11 (Oct-Dec 19)	Prash	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	25/11/2020	Quarterly Progress Report No.12 (Jan-Mar 20)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	15/12/2020	Quarterly Progress Report No.13 (Apr-Jun 20)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	06/01/2021	Quarterly Progress Report No.14 (Jul-Sept 20)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	12/02/2021	Quarterly Progress Report No.15 (Oct-Dec 20)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	06/05/2021	Quarterly Progress Report No.16 (Jan-Mar 21)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	30/07/2021	Quarterly Progress Report No.17 (Apr-Jun 21)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	11/11/2021	Quarterly Progress Report No.18 (Jul - Sep 21)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	17/01/2022	Quarterly Progress Report No.19 (Oct-Dec 21)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	22/04/2022	Quarterly Progress Report No.20 (Jan - Mar 22)	Prasha	ant B	Mr. Som Ghosh	Dr Robin Sham		
R0	12/07/2022	Quarterly Progress Report No.21 (Apr-Jun 22)	Prasha	ınt B	Mr. Som Ghosh	Dr Robin Sham		
R0	18/10/2022	Quarterly Progress Report No.22 (Jul-Sep 22)	Prasha	nt B	Mrs. Mayil. K	Dr Robin Sham		
R0	10/01/2023	Quarterly Progress Report No.23 (Oct-Dec 22)	Mrs. M	ayil.	Mr. Som Ghosh	Dr Robin Sham		
R0	16/04/2023	Quarterly Progress Report No.24 (Jan-Mar 23)	Mrs. Ma	ayil.	Mr. Som Ghosh	Dr Robin Sham		



Contents

1.0 PROJECT DESCRIPTION	5
Project Objective	5 5 7
2.0 PROJECT IMPLEMENTATION	8
2.1 Project Scope	9 11 13 13 15 16 16
2.4.2.1 Procurement & Consultant	17
2.4.2.2 Performance Consultant's Progress: Contractor's Progress: Package 1 Physical Progress ## 245 March 2000	18
Package-1 Physical Progress till 31st March 2023. Package-2 Physical Progress till 31st March 2023.	20
Fackage-3 Physical Progress till 31st March 2023	24
Package-4 (ITS) Progress till 31st March 2023 Health & Safety and Environment (HSE)	21
rackage- i Safety Report	22
rackage-2 Salety Report	22
Package-3 Safety Report Package-4 Safety Report	24 25
3.0 BENEFITS DERIVED FROM THE PROJECT (EFFECTIVENESS)	25
Operational and Physical Condition	26
3.3 Environmental and Social Impacts	26
3.4 Qualitative and Quantitative Data of Monitoring Indicators	31
3.6 Achievement of the Project Objective	32 32
4.0 OPERATION AND MAINTENANCE (O&M) (SUSTAINABILITY)3	
4.1 O&M and Management	22
4.2 Odiwi Cost and Budget	33
5.0 EVALUATION3	3
5.1 JICA and Borrower / Executing Agency performance	3
.s Lessons Learnt and Recommendations.	2
ATTACHMENT 1- MMRDA & PIU ORGANIZATION CHART	7
ATTACHMENT 3- JICA'S CONCURRENCE STATUS	0
ATTACHMENT 4- PROJECT PROCUREMENT AND FINANCIAL STATUS TILL 31 ST MAR 2023	0
ATTACHMENT 6- PACKAGE-1'S CONSTRUCTION PROGRAMME UPDATED AS OF 25TH MAR 2023	3
ATTACHMENT 1- PACKAGE-2'S CONSTRUCTION PROGRAMME UPDATED AS OF 25TH MAR 2023	1
ATTACHMENT 8- PACKAGE-3'S CONSTRUCTION PROGRAMME UPDATED AS OF 25TH MAR 2023	



5

1.0 PROJECT DESCRIPTION

1.1 Project Objective

Original:

To improve connectivity in Mumbai Metropolitan region by constructing the Mumbai Trans Harbour Link connecting Mumbai with Navi Mumbai, thereby contributing to mitigation of traffic congestion and promoting regional economic development.

Actual (P/R, PCR)

There is no change in the Project Objective.

1.2 Necessity of the Project

The Project is consistent with the development policy, sector plan, national/regional development plans and demand of target group of the recipient country.

Benefits from MTHL Project

- Saving in travel time for commuters from Mumbai to Navi Mumbai.
- Improved comfort and accessibility between the island and the mainland.
- Reduced operating costs of vehicles due to lesser congestion.
- Smooth traffic flow from Navi Mumbai airport to Mumbai Island.
- Accelerated economic development of Navi Mumbai and nearby regions.
- Greater economic integration of Mumbai Island with Navi Mumbai and extended regions of Pune, Goa, Panvel and Alibaug.
- Improvement in environment and reduced pollution levels.
- Improved safety due to reduction in accidents.
- Improvement in trade competitiveness through faster and improved logistics.
- Accelerated growth of Navi Mumbai.
- Decongestion of Mumbai Island and dispersal of population to Navi Mumbai region & beyond.

Necessity of the Project

- Although the urbanization in India has been rapidly progressing, infrastructure development in the urban areas has not caught up its progress. Particularly, the traffic congestion in the urban areas due to a lack of road network hinders the economic development. Thus, Government of India (GOI) places transport and connectivity as one of the "Growth Enablers" and plans to enhance road network in the "Three Year Acton Agenda 2017-2018 to 2019-20 (NITI Aayog)".
- Mumbai Metropolitan Region, which includes Mumbai and Navi Mumbai, has about 18.4 million people in population as of 2011 (Census 2011) and the population density reaches 20,694 people per square km in the center of Mumbai, which is one of the most overpopulated and high-density cities in the world.
- 3. Mumbai, the narrow stretch of land that has traditionally been the epicentre of India's commerce, has seen a steady increase in population in the last three decades despite obvious spatial constraints. Thus, the development of Navi Mumbai has been identified as an urgent requirement for broad development in Mumbai Metropolitan Region.
- 4. The Government of Maharashtra (GoM), of which Mumbai Metropolitan Region is under



- jurisdiction, has been facilitating various development plans particularly in Navi Mumbai area, which stands at the opposite site of Mumbai across the Mumbai Bay and still has spacious area for development, such as a new international airport, Special Economic Zone (SEZ) and expansion of Jawaharlal Nehru Port in order to promote the sustainable economic development in Mumbai Metropolitan Region.
- Furthermore, a lack of connectivity in Mumbai has stunted its growth. The GoM has given importance to construct the faster connection with Mumbai to Navi Mumbai International Airport, Jawaharlal Nehru Port, Mumbai-Pune expressway and main hinterland.
- 6. Accordingly, the Mumbai Trans Harbour Link (MTHL) has been identified as the important infrastructure to improve the connectivity between Mumbai and Navi Mumbai and continue economic development in Mumbai Metropolitan Region.
 - The MTHL is proposed to be developed as an expressway link comprising of a dual three-lane main carriageway bridge connecting Sewri in Mumbai to Chirle in Navi Mumbai. When completed, MTHL will reduce the distance between Mumbai and Navi Mumbai and will help save approximately an hour in travel time. Also, development of Navi Mumbai along with the imminent construction of the Navi Mumbai airport will lead to increased traffic between Mumbai and Navi Mumbai. Consequently, the project is envisaged to; improving accessibility between Mumbai and Navi Mumbai, accelerating growth of Navi Mumbai, smooth traffic flow from Navi Mumbai airport to Mumbai, accelerating economic development of Navi Mumbai and surrounding regions, greater economic integration of Mumbai with Navi Mumbai and extended regions of Pune, Goa, Panvel and Alibaug, and decongestion of Mumbai and dispersal of population to Navi Mumbai region and beyond.
- 7. The Comprehensive Transportation Study (CTS) for Mumbai Metropolitan Region which was guided by Mumbai Metropolitan Region Development Authority (MMRDA) and supported by World Bank, was completed in July 2008, which was over 25 years after the issuance of the last comprehensive transport study. The report provided a vision for Mumbai's future transportation as seamless and integrated system, in which commuters can make their journeys safely and conveniently by various modes of transport, particularly by public transport, and recommended the development of Multi Modal Corridor to take care of the varied travel demands of the region for the period up to 2031. The CTS proposed to develop the highway network in the region. The MTHL has been regarded as the priority road for Mumbai, considering its function and importance connecting between Mumbai and Navi Mumbai.
- 8. Necessity of the Project: To promote economic development in Mumbai Metropolitan Region it is essential to improve the connectivity between Mumbai and Navi Mumbai, by constructing MTHL.

Actual (P/R, PCR)

There is no change in the Necessity of the Project preamble.



1.3 Rationale of the Project Design

- Timing, Scale, Technology of the Project:

Demand Analysis

1. At the opening year 2022, the daily traffic on the main bridge is expected to be 39,300 PCU. The traffic is projected to increase up to 103,900 by 2032 and up to 145,500 by the year 2042. The daily breakdown by vehicle class on the main bridge link is presented in the Table 1.3.1 below:

	Table 1.3.1 Demand Projections Over the Period									
Vehicle Type	Shivaji Naga	Sewri Interch ar Interchange		Between Shand Chirle In	nivaji Nagar terchange	Interchange				
	2022	2032	2042	2022	2032	2042				
Car	24,100	66,400	94,100	4,900	21,300	43,300				
Taxi	2700	14,100	20,200	100	400	2,300				
Bus	2,700	3,700	3,700	2,700	3,700	3,700				
LCV	2,200	4,100	5,600	700	1,300	1,800				
HCV	3,000	6,500	8,100	1,000	2,000	2,200				
MAV	4,600	9,100	13,800	400	900	1,700				
Total	39,300	103,900	145,500	9,800	29,600	55,000				

LCV: Light Commercial Vehicle; HCV: Heavy Commercial Vehicle; MAV: Multi Axle Vehicle

- At the opening year in 2022, the traffic flow on MTHL represents a diversion of 10% on the traffic across Thane creek which will increase up to 16% in 2032. If only Thane Creek Bridge is considered, then the diverted traffic from the bridge will be 21% in 2022 which will rise up to 35% in 2032.
- 3. 6-lane of main carriageway was decided by GoM. It was reviewed based on the forecasted result of future traffic volume by Manual of Specification and Standards for Expressways (IRC: SP:99-2013). The result of the review shows that 6-lane will be required in 2032 (10 years later after traffic open). Although, 8-lane will be required in 2042, it is assumed that the level of service of MTHL would be maintained as additionally metro might be constructed in parallel with MTHL.

Design Parameters / Overall Design

- 4. The MTHL which is 21.8 km long road bridge partly on the land and partly over the creek across the Mumbai Bay between Sewri in Mumbai and Chirle in Navi Mumbai, is to be constructed with the approach sections and interchanges. ITS (Intelligence Transport System) and the other necessary facilities will be provided for full access-controlled bridges.
- 5. As per the provisions of IRC (Indian Road Congress) SP:99-2013, the Width of each lane of the Main Carriageway is 3.5 meters.
- 6. When the design speed is 100 km/h according to the traffic demand forecast the large vehicle, ratio will be as low as 9.4% (2022).
- 7. The shoulder width of bridge towards outside of each carriageway is 2.5 meters and towards median side of each carriageway is 0.75 meters.
- 8. The major portion of MTHL structure is on sea and partly towards ends is on land with different type and with different span, viz., PC box girder with 50 m spans which is



- typically applied on marine viaduct since, it is economical, easy to construct and maintain.
- 9. On the land portion, the PC box girder having span of generally 30m is used.
- 10. As far as the location in which long span (150-180 m) is required to cross significant obstacles, such as navigation channels, pipelines and creeks, the steel box girder bridge with steel deck is proposed with large block erection method to shorten the construction period.
- 11. The project is coded with three lanes of traffic in each direction. The reference toll is presented in the Table 1.3.2 below for each vehicle class in Year 2022 (based on 2015 monetary value reflecting price escalation).

Table 1.3.2: Base Toll Rates (Rs) for different class of vehicles between interchanges

Vehicle Type	Sewri to Shivaji Nagar	Shivaji Nagar to Chirle	Total
Car	180	60	240
Bus	420	130	550
LCV	240	70	310
HCV	420	130	550
MAV	600	180	780

Intelligent Transport Systems (ITS) and Toll Management System (TMS)

- 12. The Toll Management System will be implemented in MTHL to collect tolls from all road users of MTHL. Two types of toll collection method will be adopted: Electronic Toll Collection (ETC) and Manual (paying by cash).
- 13. The lanes corresponding to these toll collection methods are dedicated ETC lanes and Manual lanes, and Manual system shall be installed to ETC lanes for backup to be able to cope at the time of the trouble of ETC equipment failure.

Traffic management System

- 14. Traffic Management System is a support system to Manage the traffic on MTHL safely and efficiently. The System consists of the information collection system including Closed-Circuit Television (CCTV), Emergency Call Box (ECB), Automatic Traffic Counter-Cum-Classifier (ATCC) and Meteorological Data System (MDS), and Information Dissemination System including Variable message Sign (VMS).
- 15. CCTV Cameras shall be installed at around three places per 1 km, on Both side of main route and the monitoring of the traffic condition of the whole stretch of MTHL will be almost enabled in the Traffic Control Centre and VMS displays the appropriate information for road users on the collated information.
- 16. The Information collected by these devices shall be transmitted to the Command Control Centre through the medium of an Optical Fiber Cable laid in MTHL.

Actual (P/R. PCR)

There is no change in the Rationale of the Project Design.

2.0 PROJECT IMPLEMENTATION



2.1 Project Scope

Refer Table 2.1.1 and 2.1.2 for details on Scope of the Project.

Table 2.1.1 Comparison of Original and Actual location

Original: (P/M) Mumbai Metropolitan Region Development Authority, Mumbai, State of Maharashtra	Actual: (P/R and PCR)

Table 2.1.2 Comparison of Original and Actual Scope

Items	Original	Actual
Construction	work: 6-lane Marine Bridge Road (21.8 km)	
Package-1 Ch 0+000- 10+380 (10.380 km)	 1 Interchange (Sewri) Viaduct superstructure (Marine Portion: PC Box Girder & Steel Box Girder with Steel Slab Land Portion: PC Box Girder & PC-I Girder) Viaduct Substructure (RC Concrete Structure) Viaduct Foundation (Bored piles) Road Furniture and roadside facilities (Traffic Signs and Pavement Marking, Traffic Safety Devices, Crash Barrier, Drainage Structures, Noise Barriers, View Barriers) 	
Package-2 Ch 10+380- 18+187 (7.80 km)	 1 Interchange (Shivaji Nagar) Viaduct superstructure (Marine Portion: PC Box Girder & Steel Box Girder with Steel Slab Land Portion: PC Box Girder & PC-I Girder) Viaduct Substructure (RC Concrete Structure) Viaduct Foundation (Bored piles) Road Furniture and roadside facilities (Traffic Signs and Pavement Marking, Traffic Safety Devices, Crash Barrier, Drainage Structures, Noise Barriers, View Barriers) 	(P/R and PCR) Actual: No View Barriers
Package-3 Ch 18+187- 21+800 (3.61 km)	 2 Interchanges (State Highway-54, National Highway-4B) Viaduct superstructure (Marine Portion: PC Box Girder & Steel Box Girder with Steel Slab Land Portion: PC Box Girder & PC-I Girder & Steel Truss Girder for Rail-over-Bridges (ROB) Viaduct Substructure (RC Concrete Structure) Viaduct Foundation (Bored piles) Cutting Section (6-lane with Slope Protection) 	(P/R and PCR) Actual: No Noise Barriers & View Barriers



Items	Original	Actual
	 Road Furniture and roadside facilities (Traffic Signs and Pavement Marking, Traffic Safety Devices, Crash Barrier, Drainage Structures, Noise Barriers, View Barriers) Administrative Buildings Toll Booths (1 for main alignment and each on and off rumps 	
Package-4 ITS (Intelligent Transport System)	 for 3 interchanges) Traffic Management System (Traffic Control Centre, Closed Circuit Television (CCTV), Meteorological Observation System (MET), Emergency Call Box (ECB), Automatic traffic Counter-cum-Classifier (ATCC), Variable Message Sign (VMS)) Highway Lighting (Whole sections Low-positioned lighting for some sections) Electrical Powering System including HV/ LV Ring Network 	(P/R and PCR)
Consulting Services	across the Bridge. Tender Assistance Construction Supervision Facilitation of Implementation of Environmental Management	(P/R and
30111003	Plan (EMP), Environmental Monitoring plan (EMoP).	FON



2.2 Implementation Schedule

2.2.1 The Original Implementation Schedule

Table 2-2-1 Comparison of Original and Actual Schedule

	Items	Original	Status (P/R and PCR) as on 31 st Mar 2023
1)	Completion of Land Acquisition and Resettlement	Mar 2019	Dec 2022
2)	Consulting Services		
	a) Selection of Consultant	May - Dec 2016	May - Dec 2016
	b) Consultancy Works	Dec 2016 – Sep 2022	Oct 2022 – Mar 2024 (Extended)
3)	Selection of Contractor		
Pa	ckage-1, Package-2 & Package-	3 (Civil)	
	a) Pre-Qualification Process	May - Dec 2016	May - Dec 2016
	b) Main Bidding	Jan- Dec 2017	Jan - Dec 2017
	 JICA's Concurrence of Contract 	Feb-2018	Feb-2018
Pag	ckage-4 (ITS)		
	a) Pre-Qualification Process	Single Stage Bidding as concurred	by JICA
	b) Main Bidding	June 2019 – Sep 2020	Jan 2021 – Dec 2021
4)	Civil Construction		
Pac	kage-1 and Package-2	Mar 2018 – Sep 2022	Mar 2018–Sep 2023 (Extended)
Pac	kage-3	Mar 2018 – Sep 2021	Mar 2018 – Mar 2023 (Extended)
Pac	kage-4	June 2022 – Sep 2023	June 2022 – Sep 2023
5)	Defect Liability Period		
Pac	kage-1 and Package-2	Oct 2022 – Sep 2024	Oct 2023 – Sep 2025
Pac	kage-3	Oct 2021 - Sep 2023	Apr 2023 – Mar 2025
Pacl	kage-4	Oct 2023 - Sep 2025	Oct 2023 – Sep 2025
For I	TS	Sep 2025- Sep 2028	Sep 2025- Sep 2028

Attachment 6, 7 & 8: Package wise construction schedules (progress) updated at the end of 3rd Quarter (Oct – Nov - Dec 2022).



2.2.2 Reasons for changes of the schedule and their effects to the Project

(P/R and PCR)

No change in the Implementation Schedule except the selection of O&M Organization timeline.

	For	Foreign Currency Portion			Local Currency Portion			Total		
Cost Breakdown	Total (JPY mil)	JICA Portion (JPY mil)	Others (JPY mil)	Total (Rs. mil)	JICA Portion (Rs. mil)	Others (Rs. mil)	Total (JPY mil)	JICA Portion (JPY mil)	Others (JPY mil)	
Package-1	37,249	37,249	0	43,708	43,708	0	112,426	112,426	0	
Package-2	29,247	29,247	0	33,283	33,283	0	86,494	86,494	0	
Package-3	804	804	0	8,360	8,360	0	15,184	15,184	0	
Package-4 (ITS)	0	0	0	3,770	3,770	0	6,484	6,484	0	
Package-5 (Geotechnical Investigation)	0	0	0	147	0	147	253	0	253	
Dispute Boards (Package-1, 2, 3 & 4)	0	0	0	58	58	0	99	99	0	
Price Escalation	390	390	0	403	403	0	1,082	1,082	0	
Physical Contingency	5,077	5,077	0	6,730	6,719	11	16,652	16,633	19	
Consulting Services	1,611	1,611	0	1,423	1,423	0	4,058	4058	0	
Land Acquisition*	0	0	0	10,495	0	10,495	18,052	0	18,052	
Administration Cost	0	0	0	4,548	0	4,548	7,823	0	7,823	
GST	0	0	0	16,935	0	16,935	29,128	0	29,128	
Import Tax	0	0	0	12,691	0	12,691	21,830	0	21,830	
Interest during construction	3,349	0	3,349	0	0	0	3,349	0	3,349	
Front End Fee	485	0	485	0	0	0	485	0	485	
Total	78,211	74,377	3,833	142,550	97,723	44,828	323,396	242,459	80,938	



2.3 Project Cost

2.3.1. a Comparison of Originally Planned and Actually Incurred Cost by ITEM

Table 2.3.1.a.(i) Originally Planned Cost by ITEM

	Fo	reign Curi	ency					DESCRIPTION OF		
		Portion		Local	Local Currency Portion			Total		
Cost Breakdown	Total (JPY mil)	JICA Portion (JPY mil)	Others (JPY mil)	Total (Rs. mil)	JICA Portion Rs. mil)	Others Rs. mil)	/ IDV	JICA Portion (JPY mil)	Others (JPY mil)	
Package-1	37,249	37,249	0	43,708	43,708	0	112,426	112,426	0	
Package-2	29,247	29,247	0	33,283	33,283	0	86,494	86,494	0	
Package-3	804	804	0	8,360	8,360	0	15,184	15,184	0	
Package-4 (ITS)	0	0	0	3,770	3,770	0	6,484	6,484	0	
Package-5 (Geotechnical Investigation)	0	0	0	147	0	147	253	0	253	
Dispute Boards (Package-1, 2, 3 & 4)	0	0	0	58	58	0	99	99	0	
Price Escalation	390	390	0	403	403	0	1,082	1,082	0	
Physical Contingency	5,077	5,077	0	6,730	6,719	11	16,652	16,633	19	
Consulting Services	1,611	1,611	0	1,423	1,423	0	4,058	4058	0	
Land Acquisition*	0	0	0	10,495	0	10,495	18,052	0	18,052	
Administration Cost	0	0	0	4,548	0	4,548	7,823	0	7,823	
GST	0	0	0	16,935	0	16,935	29,128	0	29,128	
Import Tax	0	0	0	12,691	0	12,691	21,830	0	21,830	
Interest during construction	3,349	0	3,349	0	0	0	3,349	0	3,349	
Front End Fee	485	0	485	0	0	0	485	0	485	
Total	78,211	74,377	3,833	142,550	97,723	44,828	323,396	242,459	80,938	

Note - 1. Exchange Rate: US\$1=Rs. 78.1, US\$1=JPY 134.0, Rs.1 = JPY 1.72

2. Price Escalation (a) Foreign Currency Portion: 2.06% p.a.

(b) Local Currency Portion: 4.50% p.a.

3. Physical Contingency: 7.5%

4. Base Year for Cost Estimation: July 2022

1st Jan 2023 to 31st Mar 2023



Page 13 of 60

Table 2.3.1.a.(ii) Actually Incurred Cost by ITEM

Table 2.3.1.a.(ii) Actually Incurred Cost by ITEM									
	For	eign Curr Portion		Local	Currency	Portion		Total	
Cost Breakdown	Tot al (JP Y (mil)	JICA Portion (JPY mil)	Othe rs (JPY mil)	(Rs.	JICA Portion (Rs. mil)	Others (Rs. mil)	Total (JPY mil)	JICA Portion (JPY mil)	Others (JPY mil)
Package-1	36,107	36,107	_	43,761	43,761		104,463	104,463	
Package-2	25,481	25,481	_	30,642	30,642		73,478	73,478	
Package-3	752	752	-	7,996	7,996		13,038	13,038	
Package-4 (ITS)			_	355	355		579	579	
Package-5 (Geotechnical Investigation)	-			196		196	337		337
Dispute Boards (Package-1, 2, 3 & 4)	-			-			-		-
Price Escalation	_					ļ			-
Physical Contingency	_						-		-
Consulting Services	253	253		362	362		2,051	2,051	-
Land Acquisition*	-			8,807		8,807	15,148 💆		15,148
Administration Cost	-			2,667	(2)	2,667	4,587	211	4,587
GST	_			17,665	3	17,665	30,384		30,384
Import Tax	-			-			ŧo :		-
Interest during construction	339		339			(2,)	339		339
Front End Fee	423		423				423		423
Total	63,355	62,594	762	112,451	83,115	29,334	244,827	193,609	51,217

Note - 1. Exchange Rate: Rs.1 = JPY 1.72 for MMRDA Portion only

2. Price Escalation (a) Foreign Currency Portion: 2.06% p.a.

(b) Local Currency Portion: 4.50% p.a.

3. Physical Contingency: 7.5%

4. Base Year for Cost Estimation: July 2022



2.3.1.b Comparison of Originally Planned and Actually Incurred Cost by YEAR

Table 2.3.1.b.(i) Originally Planned Cost by YEAR (All Figures are in JPY mil)

Cost			Others			
Breakdown	Total	Tranche I	Tranche II	Tranche III	Sub Total	(MMRDA Portion)
FY 2015	82	0	0	0	0	82
FY 2016	247	0	0	0	0	247
FY 2017	22,806	10,041	0	0	10,041	12,765
FY 2018	39,813	23,631	0	0	23,631	16,182
FY 2019	41,797	33,549	0	0	33,549	8,248
FY 2020	35,348	26,354	0	0	26,354	8,994
FY 2021	63,583	48,460	0	0	48,460	15,123
FY 2022	50,198	2,759	39,911	0	42,670	7,528
FY 2023	46,007	0	26,998	11,247	38,245	7,762
FY 2024	15,494	0	0	12,907	12,907	2,587
FY 2025	8,022	0	0	6,601	6,601	1,421
Total	323,396	144,794	66,909	30,755	242,458	80,938

Table 2.3.1.b.(ii) Actually Incurred Cost by YEAR (All Figures are in JPY mil)

Cost	Total		JICA Portion				
Breakdown	IOtal	Tranche I	Tranche II	Tranche III	Sub Total	(MMRDA Portion)	
FY 2017	13,738	9,232	-	_	9,232	4,506	
FY 2018	26,813	21,695	-	_	21,695	5,118	
FY 2019	40,410	31,014	-	_	31,014	9,396	
FY 2020	31,822	23,885	-	_	23,885	7,937	
FY 2021	53,977 /	43,204	-	-	43,204	10,773	
FY 2022	78,067	13,734	50,846		64,579	13,487	
FY 2023						10,107	
FY 2024							
Total	244,827	142,764	50,846		193,609	51,217	

e) 1. Exchange Rate used: Rs.1 = JPY 1.72 for MMRDA Portion only

2. Fiscal Year starting from 1st April and ending on 31st Mar.



2.3.2 Reason(s) for the wide gap between the original and actual, if there have been any, the remedies you have taken, and their results.

(P/R and PCR)

There is no major gap between the original and actual cost.

2.4 Organization for Implementation

2.4.1 Executing Agency

Original:

Executing Agency

Mumbai Metropolitan Region Development Authority (MMRDA) was established on 26th Jan1975 in accordance with the Mumbai Metropolitan Development Act, 1974 to make Mumbai Metropolitan Region (MMR) a destination for economic activity by promoting infrastructure and regional planning. MMRDA takes all the necessary measures, required from time to time, in an effective manner and be fully responsible for the Project implementation. After completion of the Project, MMRDA continues to be responsible for the efficient operation and maintenance of the Project.

The GoM appointed MMRDA as the implementing/ executing agency of MTHL vide Government Resolution dated 4th Feb 2009 and further the ownership of MTHL would be with MMRDA vide Government Resolution dated 8th June 2011.

Organization's Role

To construct, execute, carryout, improve, work, develop, administer, manage, control or maintain in MMR all types of roads, highways, express routes, paths, streets, bridges, sideways, tunnels and other infrastructure, works and conveniences, approach road, etc.

Under the Project, MMRDA is responsible for all the tendering process including employment of consultants, as well as for the construction process.

Project Implementation Unit (PIU)

The PIU is in charge of the Projects. The PIU is headed by Chief Engineer, comprising of 6 Divisions/Cells (Finance Division, Social Development Cell, Engineering Division, Land Cell, Administrative Division and Environmental Cell), Supervision/ ITS Consultant and supporting staff.

Procurement

MMRDA shall have to adopt the JICA's Standard Bidding Documents of the latest version, as stipulated in Section 4.01 (2) of "Guidelines for Procurement under Japanese ODA Loans.

Procurement of goods and services, except for consulting services, converted by the Japanese ODA Loan should be implemented in accordance with "Guidelines for Procurement under Japanese ODA Loans", dated in Apr 2012. Employment of consultants should be implemented in accordance with "Guidelines of Employment of Consultant under Japanese ODA Loans", dated in Apr 2012. "Principles of Procurement under the Project" is attached for a brief explanation of the above Guidelines.

Actual, if changed: (P/R and PCR)

There is no change made in the original Organisation Set-up & Implementation methods. Refer Annexure III Organisation Chart.



2.4.2 Contractor(s)/ Supplier(s), and Consultant(s) and their Performance:

2.4.2.1 Procurement & Consultant

Table 2.4.2 Procurement of Contractor(s)/ Supplier(s) and Consultant(s)

			(' /
Contract	Selection Method		
Package	Original: (P/M)		Actual: (P/R and PCR)
Construc	tion Works		•
1	Package-1: From CH 0+000 - To CH 10+380 (10.38 km)	International Competitive Bidding Process (With PQ, Single stage with two envelopes)	No Change
2	<u>Package-2:</u> From CH 10+380 - To CH 18+187 (7.80 km)	International Competitive Bidding Process (With PQ, Single stage with two envelopes)	No Change
3	Package-3: From CH 18+187 - To CH 21+800 (3.61 km)	International Competitive Bidding Process (With PQ, Single stage with two envelopes)	No Change
4	Package-4: To install ITS (Toll Management System and Highway Traffic Management System)	International Competitive Bidding Process (With PQ, Single stage with two envelopes)	International Competitive Direct Bidding Process without Pre-Qualification
5	Package-5: To conduct the geotechnical investigation	Local Competitive Bidding Process	No Change
onsulting	Services		
1	Consulting Service for Supervision	Short List Method (QCBS)	No Change



2.4.2.2 Performance

Consultant's Progress:

January 2023:

- i) GC scrutinized & certified the following invoices claimed by the Contractors:
 - o Package-1: IPC-60-100% Certified and IPC-62 -80% Certified by GC.
 - o Package-2: IPC-56 100% Certified and IPC-57 -80% Certified by GC.
 - o Package-3: IPC-50 100% Certified and IPC-52 -80% Certified by GC.

February 2023:

GC scrutinized & certified the following invoices claimed by the Contractors:

- Package-1: IPC-61 100% certified and IPC-63 80% Ad-hoc certified by GC.
- Package-2: IPC-57 100% certified & IPC-58-80% Ad-hoc certified by GC.
- o Package-3: IPC-52 100% certified & IPC-53-80% Ad-hoc certified by GC.

March 2023:

GC scrutinized & certified the following invoices claimed by the Contractors:

- o Package-1: IPC-62-100% Certified and IPC-64 -80% Certified by GC.
- o Package-2: IPC-58 100% Certified and IPC-59 -80% Certified by GC.
- o Package-3: IPC-53 100% Certified by GC.
- o Package-4: IPC-01 80% certified by GC.

GC has prepared and submitted a total reimbursement claim of 9986.63 million JPY to MMRDA / JICA in Mar 2023. (Please refer Annexure-2)

100% of the Technical Design Modules across all the 3 Packages have been given "NONO" by the GC & Package design submission is in progress.

100% of the Construction (GFC – Good for Construction) Design Modules across all the 3 Packages have been given "NONO" by the GC.

Package-1 - 100%, Package-2 - 100%, Package-3 - 100%.



Contractor's Progress:

Package-1 Physical Progress till 31st March 2023

S. No		Total Scope	1	Cumulative Achieved Works	% of Work done Against the Total Scope	Remarks	
1.1			T				
1.2		523	No.	523	100.00%		
1.3		158	No.	158	100.00%		
-		228	No.	228	100.00%		
1.4		215	No.	215	100.00%		
2	Permanent Bridge Works -	T	T				
2.1		312	No.	312	100.00%		
2.2		75	No.	75	100.00%		
2.3	Piers	146	No.	146	100.00%		
2.4	Pier Caps	146	No.	146	100.00%		
3	Permanent Bridge Works - I	Permanent Bridge Works - Marine Zone					
3.1	Piles	403	No.	403	100.00%		
3.2	Pile Caps	80	No.	80	100.00%		
3.3	Piers	162	No.	162	100.00%		
3.4	Pier Caps	162	No.	162	100.00%		
4	Permanent Bridge Works - Total						
4.1	Piles	1238	No.	1238	100.00%		
4.2	Pile Caps	313	No.	313	100.00%		
4.3	Piers	536	No.	536	100.00%		
4.4	Pier Caps	536	No.	536	100.00%		
5	Precast Segments						
5.1	Segment Casting	6714	No.	6714	100.00%		
5.2	Segment (Span) Erection+ Cast-in-Situ Slab	478	No.	444	92.89%		
6	OSD Structural Steel		in it		Table 1		
6.1	Fabrication	53703	MT	53703	100.00%		
6.2	Assembly (Large Blocks)	53703	МТ	49100	91.43%		
6.3	OSD Span Erection	38	No.	31	81.58%		
7	Crash Barrier						
7.1	Crash Barrier - Median	20718	Rmt	10735	51.81%		
7.2	Crash Barrier - Outer	31099	Rmt	15669	50.38%		



Package-2 Physical Progress till 31st March 2023

S. No	Activity	Total Scope	Unit	Cumulative Achieved Works	% of Work done Against the Total Scope	Remarks		
1	Permanent Bridge Works - Land/ Interchange Zone							
1.1	Open Foundation	113	No.	113	100.00%			
1.2	Piers	119	No.	119	100.00%			
1.3	Pier Caps	105	No.	105	100.00%			
1.4	Portal Beams- Land	6	No.	6	100.00%			
1.5	Pier Head Segments -Land	42	No.	42	100.00%			
2	Permanent Bridge Works	- Intertidal	& CRZ Z	one				
2.1	Piles	280	No.	280	100.00%			
2.2	Pile Caps	72	No.	72	100.00%			
2.3	Piers	72	No.	72	100.00%			
2.4	Pier Caps	18	No.	18	100.00%			
2.5	Pier Head Segments	54	No.	54	100.00%			
3	Permanent Bridge Works -	Marine Z	one					
3.1	Piles	504	No.	504	100.00%			
3.2	Pile Caps	120	No.	120	100.00%			
3.3	Piers	120	No.	120	100.00%			
3.4	Pier Caps	48	No.	48	100.00%			
3.5	Pier Head Segments	74	No.	74	100.00%			
4	Permanent Bridge Works -	Total						
4.1	Open Foundation	113	No.	113	100.00%			
4.2	Piles	784	No.	784	100.00%			
4.3	Pile Caps	192	No.	192	100.00%			
4.4	Piers	311	No.	311	100.00%			
4.5	Pier Caps/ Portal Beams	177	No.	177	100.00%			
4.6	Pier Head Segments	170	No.	170	100.00%			
5	Precast Segments							
5.1	Segment Casting	3132	No.	3132	100.00%			
5.2	Segment (Span) Erection + Cast-in-Situ Slabs	272	No.	254	93.98%			
6	OSD Structural Steel							
6.1	Fabrication	34726	MT	34,726	100%			
6.2	Assembly (for Large Block)	34726	МТ	31,724	90.06%			
6.3	OSD Span Erection	32	No.	26	81.25%			
7	Crash Barrier							
7.1	Crash Barrier - Median	15614	Rmt	8562	54.84%			
7.2	Crash Barrier - Outer	20945	Rmt	11,438	54.61%			



Package-3 Physical Progress till 31st March 2023

S. No	Activity	Total Scope	Unit	Cumulative Achieved Works	% of Work done Against the Total Scope	Remarks
1	Permanent Bridge Works					
1.1	Open Foundations	221	No.	221	100.00%	
1.2	Piles	24	No.	24	100.00%	
1.3	Pile Caps	4	No.	4	100.00%	
1.4	Piers	242	No.	242	100.00%	
1.5	Pier Caps	189	No.	189	100.00%	
1.6	Segment Casting	834	No.	834	100.00%	
1.7	Segment (Span) Erection	59	No.	59	100.00%	
1.8	Cast in-situ Slab	108	No.	108	100.00%	
1.9	Rail Overbridge (ROB) Span	20	No.	12	60.00%	
1.10	Crash Barrier - Median	5500	Rmt	3142	57.13%	
1.11	Crash Barrier - Outer	9000	Rmt	5663	62.92%	

Package-4 (ITS) Progress till 31st March 2023

- 1. Design & Drawings submission is in progress.
- 2. Geotechnical Investigation for Sub admin building & Service Road is completed.
- 3. Gahavan main admin building foundation & Column is in progress.

Please refer Attachment 9 - Site Progress Photos showing the development of the project.

Health & Safety and Environment (HSE)

The HSE Plans have been submitted by the respective construction agencies for the Packages which are being monitored by the GC on a regular basis.

Package-1 Safety Report

S No.	Description	Unit	Jan-Feb- Mar 2023	Cumulative
1	Average Daily Manpower (all Workmen & Staff)	Numbers	4,207	2,789
2	Man-Days Worked	Days	481,586	6,599,459
3	Man-Hours Worked	Hours	3,852,685	56,250,690
4	Accident-Free Man Hours	Hours	3,073,609	4,175,838
5	Fatal Accidents (Reportable)	Incidents (Nos.)	1	6
6	Fatality Cases.	Fatalities (FAT)	1	7
7	Lost Time Injury Incidents (Reportable)	Incidents (Nos.)	0	8
8	Lost Time Injury Cases (Persons Injured)	# Injured Persons	0	10
9	Restricted Work Medical Case	RWMC (#Incidents)	0	0
10	Medical Treatment Cases	MTC (#Incidents)	0	2
11	First Aid Cases.	FAC (#Cases)	13	319
12	Near Miss Incidents.	NMI (#Incidents)	10	130
13	Dangerous Occurrences.	DO (#Numbers)	1	6
14	Reportable Sick Cases (Succumbed due Covid)	Sick (#Persons)	0	2
15_	Man-Hours Lost	Hours	48,720	345,296
16	Man-Days Lost	Days	6,090	43,171
17	Reportable Incident Frequency Rate / Million Man Hours	# (FAT+ Injuries)/MMH	1	0.302
18	Reportable Incident Severity Rate / Million Man Hours	Days Lost/MMHr	5,764	767
19	Total Injury Incident Frequency Rate / 1M Man Hours	TIFR	1	0.338
20	Toolbox Talks	Sessions	11,804	1,51,270
21	Safety Walk down Inspections (Joint & CFT)	Numbers	32	245
22	Routine Safety Inspections (Safety Team with Reports)	Numbers	140	4,142
23	Total Observations Raised (Safety)	Numbers	3,993	90,452
24	Health & Hygiene Inspections	Numbers	30	67
25	Total Observations Raised (Health & Hygiene)	Numbers	204	819
26	Training Sessions done for Offices & Sites	Sessions	89	3,668
27	Personnel Attended Training Sessions (Classroom & Site)	Persons	2,412	49,026
28	Contractor Safety Committee Meetings	Numbers	3	42
29	Critical Excavations	Numbers	0	86
30	Pre-employment Medical check-ups	Persons	2,956	46,956
31	Safety Inductions completed	Persons	2,956	48,843
32	Mock drills Conducted	Numbers	3	38
33	Contractor's Internal Audits Conducted	Numbers	3	55



Package-2 Safety Report

S No	Description	Unit	Jan-Feb- Mar 2023	Cumulative
1	Average Daily Manpower (all Workmen & Staff)	Numbers	3,523	2,117
2	Man-Days Worked	Days	268,673	3,088,283
3	Man-Hours Worked	Hours	2,955,403	34,462,495
4	Accident-Free Man Hours	Hours	2,955,403	5,017,056
5	Fatal Accidents (Reportable)	Incidents (Nos.)	0	0
6	Fatality Cases.	Fatalities (FAT)	0	0
7	Lost Time Injury Incidents (Reportable)	Incidents (Nos.)	0	13
8	Lost Time Injury Cases (Persons Injured)	# Injured Persons	0	13
9	Restricted Work Medical Case	RWMC (#Incidents)	1	7
10	Medical Treatment Cases	MTC (#Incidents)	0	14
11	First Aid Cases.	FAC (#Cases)	6	197
12	Near Miss Incidents.	NMI (#Incidents)	25	419
13	Dangerous Occurrences.	DO (#Numbers)	2	19
14	Reportable Sick Cases (Succumbed due Covid)	Sick (#Persons)	0	3
15	Man-Hours Lost	Hours	0	6,680
16	Man-Days Lost	Days	0	835
17	Reportable Incident Frequency Rate / Million Man Hours	# (FAT+ Injuries)/MMH	0	0.377
18	Reportable Incident Severity Rate / Million Man Hours	Days Lost/MMHr	0	24
19	Total Injury Incident Frequency Rate / 1M Man Hours	TIFR	1	0.987
20	Toolbox Talks	Sessions	1,182	14,258
21	Safety Walk down Inspections (Joint & CFT)	Numbers	13	196
22	Routine Safety Inspections (Safety Team with Reports)	Numbers	336	2,268
23	Total Observations Raised (Safety)	Numbers	2,380	27,456
24	Health & Hygiene Inspections	Numbers	0	4
25	Total Observations Raised (Health & Hygiene)	Numbers	0	16
26	Training Sessions done for Offices & Sites	Sessions	217	1,613
27	Personnel Attended Training Sessions (Classroom & Site)	Persons	4,559	31,215
28	Contractor Safety Committee Meetings	Numbers	3	57
29	Critical Excavations	Numbers	0	0
30	Pre-employment Medical check-ups	Persons	750	18,680
31	Safety Inductions completed	Persons	754	19,125
32	Mock drills Conducted	Numbers	4	49
33	Contractor's Internal Audits Conducted	Numbers	0	0



Package-3 Safety Report

S No.		Unit	Jan-Feb- Mar 2023	Cumulative
1	Average Daily Manpower (all Workmen & Staff)	Numbers	394	423
2	Man-Days Worked	Days	49,085	918,112
3	Man-Hours Worked	Hours	392,678	7,344,984
4	Accident-Free Man Hours	Hours	392,678	1,537,525
5	Fatal Accidents (Reportable)	Incidents (Nos.)	0	0
6	Fatality Cases.	Fatalities (FAT)	0	0
7	Lost Time Injury Incidents (Reportable)	Incidents (Nos.)	0	3
8	Lost Time Injury Cases (Persons Injured)	# Injured Persons	0	3
9	Restricted Work Medical Case	RWMC (#Incidents)	0	0
10	Medical Treatment Cases	MTC (#Incidents)	0	0
11	First Aid Cases.	FAC (#Cases)	3	133
12	Near Miss Incidents.	NMI (#Incidents)	4	51
13	Dangerous Occurrences.	DO (#Numbers)	0	1
14	Reportable Sick Cases (Succumbed due Covid)	Sick (#Persons)	0	0
15	Man-Hours Lost	Hours	0	2,216
16	Man-Days Lost	Days	0	277
17	Reportable Incident Frequency Rate / Million Man Hours	# (FAT+ Injuries)/MMH	0	0.408
18	Reportable Incident Severity Rate / Million Man Hours	Days Lost/MMHr	0	38
19	Total Injury Incident Frequency Rate / 1M Man Hours	TIFR	0	0
20	Toolbox Talks	Sessions	380	9,053
21	Safety Walk down Inspections (Joint & CFT)	Numbers	12	205
22	Routine Safety Inspections (Safety Team with Reports)	Numbers	60	725
23	Total Observations Raised (Safety)	Numbers	670	2,098
24	Health & Hygiene Inspections	Numbers	6	20
25	Total Observations Raised (Health & Hygiene)	Numbers	24	93
26	Training Sessions done for Offices & Sites	Sessions	66	449
27	Personnel Attended Training Sessions (Classroom & Site)	Persons	1,552	4,306
28	Contractor Safety Committee Meetings	Numbers	3	53
29	Critical Excavations	Numbers	0	9
30	Pre-employment Medical check-ups	Persons	422	11,612
31	Safety Inductions completed	Persons	422	11,669
32	Mock drills Conducted	Numbers	3	47
33	Contractor's Internal Audits Conducted	Numbers	0	13



Package-4 Safety Report

S No.		Unit	Jan-Feb- Mar 2023	Cumulative
1	Average Daily Manpower (all Workmen & Staff)	Numbers	189	74
2	Man-Days Worked	Days	13,760	16,821
3	Man-Hours Worked	Hours	110,080	134,568
4	Accident-Free Man Hours	Hours	110,080	134,568
5	Fatal Accidents (Reportable)	Incidents (Nos.)	0	0
6	Fatality Cases.	Fatalities (FAT)	0	0
7	Lost Time Injury Incidents (Reportable)	Incidents (Nos.)	0	0
8	Lost Time Injury Cases (Persons Injured)	# Injured Persons	0	0
9	Restricted Work Medical Case	RWMC (#Incidents)	0	0
10	Medical Treatment Cases	MTC (#Incidents)	1	1
11	First Aid Cases.	FAC (#Cases)	2	2
12	Near Miss Incidents.	NMI (#Incidents)	3	4
13	Dangerous Occurrences.	DO (#Numbers)	0	0
14	Reportable Sick Cases (Succumbed due Covid)	Sick (#Persons)	0	0
15	Man-Hours Lost	Hours	0	0
16	Man-Days Lost	Days	0	0
17	Reportable Incident Frequency Rate / Million Man Hours	# (FAT+ Injuries)/MMH	0	0
18	Reportable Incident Severity Rate / Million Man Hours	Days Lost/MMHr	0	0
19	Total Injury Incident Frequency Rate / 1M Man Hours	TIFR	24	7.
20	Toolbox Talks	Sessions	210	324
21	Safety Walk down Inspections (Joint & CFT)	Numbers	7	7
22	Routine Safety Inspections (Safety Team with Reports)	Numbers	5	5
23	Total Observations Raised (Safety)	Numbers	120	202
24	Health & Hygiene Inspections	Numbers	0	0
25	Total Observations Raised (Health & Hygiene)	Numbers	0	0
26	Training Sessions done for Offices & Sites	Sessions	38	50
27	Personnel Attended Training Sessions (Classroom & Site)	Persons	1,125	1,265
28	Contractor Safety Committee Meetings	Numbers	1	4
29	Critical Excavations	Numbers	0	1
30	Pre-employment Medical check-ups	Persons	125	125
31	Safety Inductions completed	Persons	158	213
32	Mock drills Conducted	Numbers	1	2
33	Contractor's Internal Audits Conducted	Numbers	0	111

3.0 BENEFITS DERIVED FROM THE PROJECT (EFFECTIVENESS)



Operational and Physical Condition

(This section will be developed when the operational plan is available)

Facilities	Description of condition	Problems, its Background and Remedial Action Plan
(P/R and PCR)	(P/R and PCR)	(P/R and PCR)

3.2 Precautions (Measures to be adopted/ Points which require special attention)

Original Issues and Countermeasure(s)

3.2.1 General Issues

1. Toli Arrangement/ Toli Rate

Fixed toll rate as per the type of vehicle will be levied for the road users after the completion of the Project. An appropriate tolling policy/ rates will be finalized in consultation with the state government prior to the completion of Civil works.

2. Operation and Maintenance

MMRDA proposes to appoint separate agencies for Operation & Maintenance of the bridge and for Toll Management System. Both the agencies for O & M and Toll Management System may be appointed through open tendering process. Overall monitoring of the two agencies would be done by MMRDA inhouse through a separate cell which could be constituted for the purpose. MMRDA has confirmed to allocate an adequate budget for engaging the Contractors.

Actual Issues and Countermeasure(s)

(P/R and PCR)

Appropriate Tolling Policy/ Rates finalization is in progress.

A single Operation and Maintenance Contractor finalization is in progress.

3.2.2 Environmental and Social Consideration

a. CRZ Clearance

- Supplemental EIA has been approved by MMRDA and disclosed on the website of JICA. A supplemental EIA report has been disclosed also on the website of MMRDA.
- ii. Furthermore, renewed CRZ Clearance has been obtained in January 2016.
- In accordance with the conditions for CRZ Clearance, appropriate measures shall be taken, and necessary budget shall be secured by MMRDA.

(P/R and PCR)

- MMRDA has disclosed Supplemental EIA & SIA on MMRDA website.
- The renewed CRZ clearance was granted on 25/1/2016 from MoEF&CC and the approval conditions have been imposed on the Contractors as the Employer's requirements.
 MMRDA has actively monitored the compliances of the approval conditions and maintained them throughout the construction phase.
- MMRDA appointed Mangroves & Marine Biodiversity Foundation for bird monitoring and implementation of Flamingos and bird monitoring program for the MTHL project during the construction as well as the longterm monitoring after the construction.



Mumbai Trans Harbour Link Project-Quart	erly Progress Report No. 24 (Jan-Mar 2023)
Zink i Toject-walt	 Rs 91.42 Crore has been transferred to Mangroves & Marine Biodiversity Foundation, Mumbai for the development & conservation of mangrove area and its afforestation. Such funds will be managed by the Mangrove Foundation of Maharashtra State. As per the renewed CRZ clearance condition, IIT Mumbai has been appointed for the DPR study to develop a Mahul creek Effluent Treatment Plant (ETP). Rs 4.98 Crore was secured for IIT services. The Draft DPR has been reviewed and approved. Proposal of extension for CRZ clearance submitted vide reference no MCZMA 2022/08/CR-246/3719 dated 4th Aug-2022.
h Dogwind Danie	(Please refer Annexure-3)

b. Required Permits

The Permits to be obtained by MMRDA/ Contractors and the present status is given in the following Table.

Table 3.2.2 Present Status of some Important Permits

Clearance Required	Approving Authority	Responsible Organization	Obtained by when	Remark /Status
Mangrove Cutting	Hon. Bombay High Court	MMRDA/ Contractor	Approval received from Hon. Bombay High Court on 28th Nov 2016	Mangrove cutting operation was completed with full compliance and as of now, no further follow up work is required.
Tree Cutting /Transplantati on	Respective Tree Authorities	Contractor for respective Packages	-	Pkg-1: Tree Cutting/ Transplantation permission from the Garden Dept., MCGM obtained on 24th Dec 2020. Pkg-2: Tree Cutting/ Transplantation permission obtained & completed. Pkg-3: Forest Department issued a concurrence on 19/05/2019. CIDCO's permission for Tree Cutting/ Transplantation obtained on 25th Nov 2019.
Consent to Establish	Maharashtra Pollution Control Board	Contractor for respective Packages	Pkg-1-18.07.2018 Pkg-2-16.08.2018 Pkg-3-29.05.2019	

3.3 Environmental and Social Impacts

Major environmental and social impacts have occurred during project implementation (e.g. involuntary resettlement, poverty reduction, impacts on the natural environment).



Mumhai Trans Harbour Link Project Out	arterly Progress Report No. 24 (Jan-Mar 2023)	
Issue(s)	Action or countermeasure(s) taken and	
	remaining problem(s)	
Establishment of Effective Environmental and Social Cell in PIU MMRDA confirmed that Social Development Cell (2 Officers), Land Cell (3 Officers), and Environmenta	Cell is established by MMRDA	
Cell (2 Officers) had been set up.		
2. Rehabilitation and Land Acquisition Issuesa. Affected Area and PopulationDue to the Project, 1282 non-		
titleholders will be involuntary resettled, and 108.4379 ha of land will be handed		
over by CIDCO.	25 PAHs Kanjurmarg for commercial	
	7 PAHs (Satsangi Plot) Kanjurmarg for Commercial	
	1 PAHs (commercial to residential) for Bhakti Park	
	100 PAHs HDIL Kurla for residential	
	Navi Mumbai: CIDCO has been finalizing the land acquisition closely monitored by Land Cell of MMRDA.	
	CIDCO has possessed 106.3542 ha of land and handed over to MMRDA, except private land of 2.0837 ha.	
	0.3937 ha land is under acquisition out of balance 2.0837 ha land. CIDCO is planning to acquire the balance ROW land of with the help of Collector, Raigad.	
b. Entitlement Policy		
MMRDA prepared the entitlement matrix for resettlement of non-title holders in Sewri, which meets the Resettlement and Rehabilitation Policy for Mumbai Urban Transportation Project (1997, amended in 2000) and JICA guidelines for Environmental and social considerations (2010) ("Guidelines") (Attachment 2-5).	There have been no changes during the enforcement. As per the Attachment 2-5 of JICA MoD, MMRDA has committed to enforce the agreed/ approved policy.	



Mumbai Trans Harbour Link Project-Quar	rterly Progress Report No. 24 (Jan-Mar 2023)	
Issue(s)	Action or countermeasure(s) taken and	
	remaining problem(s)	
c. Compensation to Project affected Fishermen Detailed baseline survey will be undertaken by MMRDA in order to identify fishermen who are affected by the Project. Based on the result of the baseline survey, MMRDA will compensate them in accordance with compensation policy prior to the construction. Monitoring will be conducted by MMRDA with assistance of the Consultant to gasp the exact impact during construction and operation phase.	Updated Attachments 2-8 and 2-10 are enclosed in the report.	
d. Implementation Schedule The Implementation schedule for land acquisition, resettlement and rehabilitation is attached as per Attachment 2-10.	Updated Attachment 2-10 is enclosed in the report.	
e. Grievance Redressal Mechanism Grievance Redressal Committee ("GRC") set under MMRDA will deal with grievances raised by PAPs in Sewri and fishermen to be affected by the Project. Any grievances raised by PAPs whose land is acquired by CIDCO shall be resolved by CIDCO.	Sewri: FLGRC (Field Level Grievance Redressal Committee) and SLGRC (Senior Level Grievance Redressal Committee) were set as per the RAP and in operation. Compensation Committee has been constituted to address the issues of Compensation to Lease Holders at Sewri. Fishermen: GRC for resolving grievances of the fisherfolk was set up as per the compensation policy and is in operation.	
	Internal Monitoring updates are mentioned in Attachment 2-8.	



Mumbai Trans Harbour Link Project-Quar	terly Progress Report No. 24 (Jan-Mar 2023)
Issue(s) Action or countermeasure(s) taken and	
	remaining problem(s)
evaluation report will be submitted to	Updated Attachment 2-10 is enclosed in the
MMRDA at mid-term and end-term.	report.
MMRDA would submit the evaluation	
report to JICA in a timely manner.	
h. RAP Implementation Budget	
The amount of estimated resettlement	
and compensation budget is Rs.906.26	
Cr MMRDA informed to the JICA	As updated in MOD dated 03/09/2019 for MTHL-II,
Mission that RAP implementation cost	the base cost Budget towards RAP Implementation
would be borne by MMRDA and	is updated as Rs 1129.3 Cr.
ensured sufficient and timely allocation	
of funds for smooth implementation.	
i. Environmental Management Plan	
("EMP")	
The mitigation measures against air	
pollution, waste, noise, and water	
pollution etc. shall be taken during	
construction and operation phase.	
Mitigation measures such as	
installation of noise barrier, appropriate	
waste management, etc. have been	EMP will be updated, if required, in due course of
prepared by MMRDA. The mitigation	construction activities/progress.
measures are listed in the EMP matrix.	
(Attachment 2-1). During the detailed	
design stage, MMRDA, with assistance	
of the Consultant, will update the EMP,	
as necessary.	
j. Environmental Monitoring Plan	
("EMoP")	
MMRDA takes overall responsibility for	
implementation of EMoP. During	
construction, environmental monitoring	
will be carried out by contractors under	
supervision by Construction	
Supervision consultant. The result shall	j
be reported to the JICA India Office on	
a quarterly basis as a part of Progress	Environmental Monitoring Plan with the package
Status Report (PSR) by filling in the	wise budgeted cost is reported in Attachment 2-3.
Reporting Form of Environmental	Environmental Monitoring Results during the
Monitoring Result. (Attachment 2-4).	construction phase are reported in Attachment 2-
After completion of the construction,	4.
EMOP shall be implemented by	
MMRDA, and the results shall be	
submitted to the JICA India Office semi-	



Mumbai Trans Harbour Link Project-Quarterly Progress Report No. 24 (Jan-Mar 2023)		
Issue(s)	Action or countermeasure(s) taken and remaining problem(s)	
annually until two years after complementation of construction. The required amount of estimated environmental monitoring budget is borne by MMRDA.		
k. Long Term Bird Monitoring MMRDA committed to conduct the long-term monitoring of birds and its habitat in Sewri mudflats with the assistance of hired bird expert. During the long-term monitoring, MMRDA will share information and receive advice from external experts including the one from NGOs and civil society.	 MMRDA has entrusted the work of bird monitoring and implementation of Flamingos and birds related mitigation measures & bird monitoring program to Mangrove and Marine Biodiversity Foundation. Rs. 31.92 Crore deposited to Mangrove foundation, Mumbai for periodical disbursement to BNHS. 	

3.4 Qualitative and Quantitative Data of Monitoring Indicators

Operation and Effect Indicator EIRR and/ or FIRR

Supporting data for Computing EIRR and/ or FIRR

Indicators	Original (Year 2015)	Target (Year 2024) 2 Years After Commercial Operation
Average Annual Daily Traffic (PCU/ day)	-	47,400
Daily Average Travel Time (min) * 1	61 min	15.8 min
Number of Users (Persons/ year) * 2	-	46,077,504
Cargo Volume (tons/ year) * 3	-	13,511,759

^{*1} Section on Sewri - Chirle

tons) is used for estimation.

EIRR	Original: 15.4% Cost: Project cost (excluding Price Escalation, Tax and Duties and Administration cost) O&M cost, Land Acquisition Benefit: Travel Time cost and Vehicle Operation cost Project Life: 32 Years	Benefit: Project Life: Attachment(s): Supporting data for
	Project Life: 32 Years	Supporting data for computing EIRR



^{*2} Assumptions: average passengers of car and taxi (2.6 persons), bus (37.2 persons) based on JICA study. Number of passengers of LCV, HCV and MAV is assumed as 1 person each. *3 Assumptions: the maximum capacity of respective vehicle (LCV: 1 ton, HCV and MAV: 15

Mumbai 1	Trans Harbour Link Project-Quarterly Progress Report N	lo. 24 (Jan-Mar 2023)
FIRR	Original: 1.5% Cost: Project Cost, O&M cost, Land Acquisition cost Benefit: Toll Revenue Project Life: 32 Years	Actual: (PCR)

3.5 Monitoring Plan for the indicators

Monitoring Methods, Section(s)/ department(s) in charge of monitoring, frequency, the term and so forth are given below:

Original: (P/M and PCR)

Monitoring Organization

PIU shall be In-Charge of Monitoring activities for the Project.

Submission of QPR and PCR

The timely submission of the following documents is required by MMRDA.

- a. Quarterly Progress Report (QPR): The progress report for the Project should be submitted by MMRDA to JICA on quarterly basis, not later than 30 days after the concerned quarter, in the form of Project Status Report (PSR) attached hereto as per Annex I; Updated status land Acquisition, milestone achieved with respect to Action Plan with Timetable, the monitoring form for environmental and social consideration should also be appended to the PSR. In addition, MMRDA shall also forward the Monthly & Quarterly Progress Reports (including S-Curve Chart) prepared by the Consultant to JICA India Office on regular basis till project completion.
- b. Project Completion Report (PCR): A project completion report should be submitted by MMRDA to JICA promptly, but in any event not later than six months after completion of the Project, in the form of Project Status Report (PSR) attached hereto as per Annex I.

Actual: (P/R and PCR)

Monitoring Organization

PIU for MTHL has been established for monitoring the Project.

Submission of QPR and PCR

This QPR No. 22 is submitted for the period of 1st July to 30th Sep 2022.

3.6 Achievement of the Project Objective

(PCR)

4.0 OPERATION AND MAINTENANCE (O&M) (SUSTAINABILITY)

4.1 O&M and Management

- Organization Chart of O&M
- Operational and maintenance system (structure and the number, qualification and skill of staff or other conditions necessary to maintain the outputs and benefits of the project soundly, such as manuals, facilities and equipment for maintenance, and spare part stocks etc.)



Original: (P/M)

Operation & Maintenance, Toll Management and ITS

MMRDA proposes to engage two separate agencies for O&M and Toll Management System. Though MMRDA will not directly carry out O&M, the overall monitoring over the O&M agency will be the responsibility of MMRDA. O&M Budget will be allocated by MMRDA. O&M and increase in toll rate will be done in accordance with the NHAI's manuals such as "NHAI Works manuals".

Actual: (PCR)

4.2 O&M Cost and Budget

- The actual annual O&M cost for the duration of the project, as well as the annual O&M budget.

(PCR) This will be reported when the outcome of the above work-study is available.

5.0 EVALUATION

5.1 JICA and Borrower / Executing Agency performance

JICA:

(PCR)

Borrower/ Executing Agency:

(PCR)

5.2 Overall Evaluation

Please describe your evaluation on the overall outcome of the project.

(PCR)

5.3 Lessons Learnt and Recommendations

Please raise any lessons learned from the project experience, which might be valuable for the future JICA assistance or similar type of projects, as well as any recommendations, which might be beneficial for better realization of the project effect, impact and assurance of sustainability.

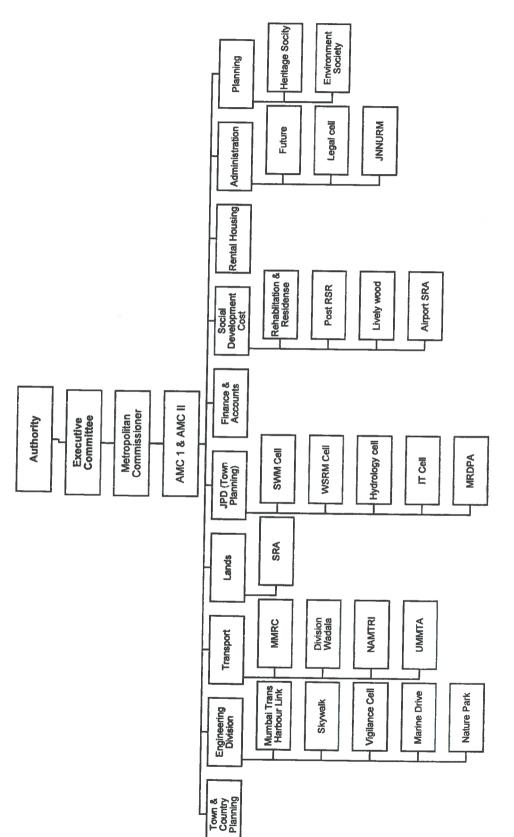
(PCR)



Attachment 1- MMRDA & PIU Organization Chart



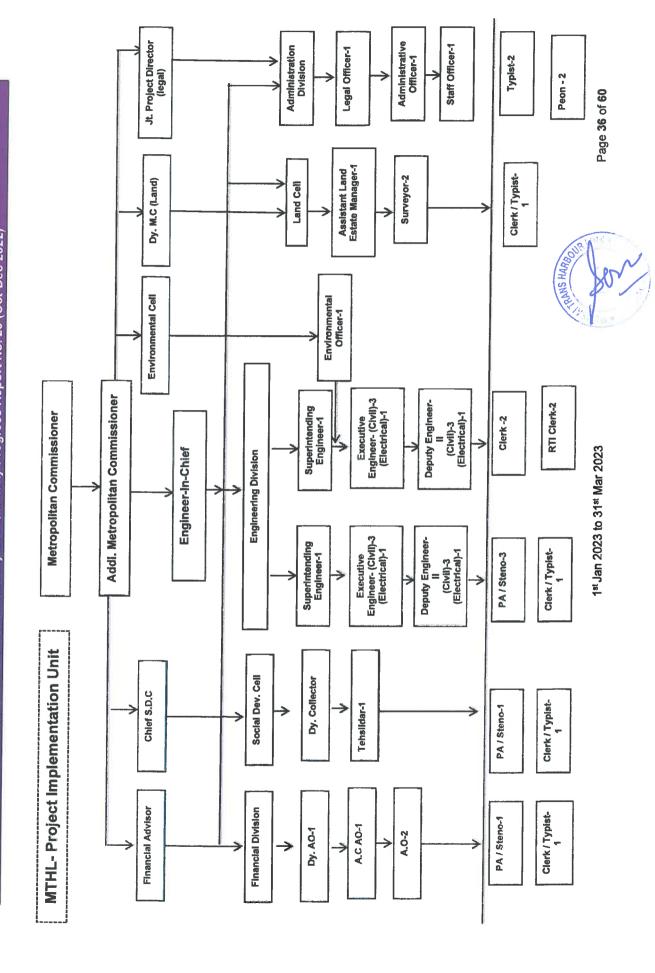
MMRDA Organization chart



INK-X TRANS HARBO

Page 35 of 60

1st Jan 2023 to 31st Mar 2023



Attachment 2- Environmental & Social Impacts

Attachment 2-3 – Envi. Monitoring Plan with Package-wise Estimated Cost

Attachment 2-4 - Environmental Monitoring Result Reporting Form

Attachment 2-6 - MTHL Land Acquisition Status

Attachment 2-8 - RAP Internal Monitoring Form

Attachment 2-10 - Schedule of the RAP Implementation



Environmental Monitoring Plan with Packagewise Estimated Cost

	No.	Impacted Item on JICA 1. Guidelines	Parameter	Method	Location	Frequency a year	Cost (INR)	Cost Pkg.1 (INR)	Cost Pkg.2 (INR)	Cost Pkg.3 (INR)	Total Cost (INR)	Standard Central Pollution Control Board (CPCB) Ministry of Environment & Forest (MoEF)	2 75 452 51/12
	1	Air pollution	SO ₂ , NO ₂ , PM ₁₀ , PM ₂₅ , O ₃ , CO, (6 Items)	National Ambient Air Quality Standards, 2009	1. Sewri & Sewri bay area for package I	Fortnightly at all locations except 2 locations each near Batching plants	1,800,000	15,000,000	1,800,000	742,500	17,542,500	National Ambient Air Quality Standards (NAAQS) by Central Pollution Control Board (CPCB)	P1 contractor team is conducting Ambient air quality monitoring with reference to National Standards and clause 1.2 of Employer's requirement.
					Nhava temporary bridge casting yard in Gavhan for package II	4 Times / Year						(Standard for 24hrs: Industrial and Residential/ Ecological Sensitive area)	P 2 contractor Monitoring plan has been designed as per EIA of 2015
						Fortnightly only for 3 months (jan-2019 to Mar-2019). Then quarterly monitoring as per MOEF and CPCB norms			2		-	- SO₂: 80 / 80µg/m³	P3 contractor team is conducting Ambient air quality monitoring with reference to National Standards and clause 1.2 of Employer's requirement.
								11			ia A	- NO ₂ : 80 / 80μg/m ³	P 1 received Consents CTE & CTO from MPCB and they are following MPCB frequency in addition to frequency set by Environment Expert from GC. The NAAQ standards are showing High rate as that is the usual procedure. The frequency of monitoring is set by us which varies for different
		e H).				parameters as either Statutory requirements or as required by us to ensure we have sufficient data in hands if there are additional claims for Compensation in C5 category. Summary: Although the contract conditions for all packages were same at the time of biding. Later modifications suggested by
				2					¥				GC were not accepted by P 2. P1 and P3 accepted the modifications and hence the difference. Second point is P 1 carrying out monitoring as per the obatiend CTE and CTO. Both other packages have applied for CTE but haven't obtained it yet. So we expect the monitoring frequecy would change after obtaining CTE.
											<u>.</u> <u>.</u>	PM ₁₀ : 100 / 100 μg/m ³ PM ₂₅ : 60 / 60 μg/m ³ O ₃ : 180 / 180 μg/m ³ CO: 0.4 / 0.4 mg/m ³	
	2	Water pollution	pH, BOD, DO, Turbidity and O&G		for package l	Quarterly 4 Times / Year Not applicable	810,000	2,400,000	810,000	0		larine water quality Standards – Class SW-IV Harbour Vaters (MPCB) pH: 6.5-9 DO: 3 mg/l	Water Pollution not applicable for Pkg, 3
ion				2								Turbidity: 30 NTU BOD: 5 mg/l O & G: 10 mg/l	
Pollution	3	Waste 1	Volume of waste soil, cutting tree and domestic garbage		1. Sewri & Sewri bay area for package I	Daily	500,000	299,200,000	500,000	600,000	300,300,000		The cost of waste disposal for P1 includes C&D waste, Pile muck etc. from all areas like, interchange, intertidal and marine. The disposal location is at MCGM approved location Bhayandarpada, Thane.

Category	No.	impacted Item — on HCA AG Guidelines	Parameter	Method	Location	Frequency a year	Cost (INR)	Cost Pkg.1 (INR)	Cost Pkg.2 (INR)	Cost Picg.3 (INR)	Total Cost (INR)	Standard Central Pollution Control Board (CPCB) - + : Ministry of Environment & Forest (MoEF) : +	Remarks
					Nhava temporary bridge & casting yard in Gavhan for package II Gavhan & Chirle for package III	Once site clearing work/execution part						Municipal Soild Waste Management Rules, 2013 Generated waste shall be reused or disposed at designated site. Sites have been identified and the location for Pkg, 1 is at Bhayandar Pada in Thane. For Pkg, 2 & 3 is in Navi Mumbai at Pushpak Node nera "Teen Taki Junction" along the Amar Marg.	P2 contractor has considered only Domestic garbage with respect to CIDCO. Other wastes are not considered. Construction wastes will be
	4 and 8	Soil	Heavy Metals & Oil &	IS / Methods	1. Sewri & Sewri bay area	of work start. 1. Muck: 1 Time / Year	150,000	1,500,000	150,000	100,000	1,750,000	Soil Pollution Standard in India (MOEF)	
	4 and 6	Contamination/ sedimentation	Grease (5-10 items shall be selected from Soil	Manual Soil Testing	for package I 2. Nhava temporary bridge & casting yard in Gavhan for	2, Sediments: 4 Times / Year						- Cd: 0.01mg/l	
			pollution standards)	Cooperation, January 2011	package II		:						
	and the second s				3. Gavhan & Chirle for package III	*If any spillage/ leakage take place from chemical, fuel storage area.						Lead: 0.01mg/l Chromium (VI): 0.05mg/l Arsenic: 0.01mg/l	
						*One time grab sample to be collected during Bridge Construction *Pre & Post Monsoon		je-				T-Mercury: 0.0005mg/l Copper: 125mg/kg (some items shall be selected from totally 25 standards	
	5	Noise and vibration	Ambient and road side noise (dB(A)L _{Aeq})	IS Standard	1. Sewri & Sewri bay area for package I	at Storage area only Fortnightly	150,000	54,000	150,000	369,000	573,000	items) -Construction Noise; 85dB{A} -Ambient Noise Standards in India (dB (A) Lea)	
				*	Nhava temporary bridge & casting yard in Gavhan for package II Gavhan & Chirle for	2 Times / Year Fortnightly						1.industrial Area	
					package III	rotalglay				21		Day Time: 75 (6-22hr) Night Time: 70 (22-6hr)	
												2.Commercial Area: Day Time: 65 (6-22hr) Night Time: 55 (22-6hr)	
											[B.Residential Area: Day Time: 55 (6-22hr) Night Time: 45 (22-6hr)	
									75,000	400,000	ī	Asilence Zone Day Time: 50 (6-22hr) Night Time: 40 (22-6hr)	
			Vibration (dB L10 or mm/sec)		1 Location Gavan area for package III	Half yearly	75,000	0	75,000	400,000		Construction vibration 75dB Vibration Standards roadside	Not applicable for Pkg. 1
											[N	. Commercial /Industrial Area Day Time: 70 (7-20hr) light Time: 65 (20-7hr) . Residential Area:	7
	9 and 10	Protected Area	1.Monitoring of	Ocular inspection	Along MTHL alignment and	Quarterly	6,500,000	7,200,000	6,500,000	0		lay Time: 65 (7-20hr)	Not applicable for Pkg. 3
	- and Iv	/Ecosystem	mudflat conditions including fauna-flora	and quantitative survey	mangrove replant area for Package I	during the construction Period							
			2. Monitoring of Cutting Tree and replantation/		Along MTHL alignment and mangrove replant area for package II	4 Times / Year ,		-			[s	ignificant impacts are not caused by the project	
			transplanting area 3.Monitoring of	1-1. Fauna-Flora Line-Point census	Not applicable for Package						N	ote)	
			S.Monitoring of Mangrove Plantation area appointed by McEF	and record number and appeared species									

Category	No.	Impacted Item on JICA Guidelines		Method	Location	Frequency a year	Cost (INR)	Cost Pkg.1 (INR)	Cost Pkg.2 (INR)	Cost Pkg.3 (INR)	Total Cost (INR)	Standard Central Pollution Control Board (CPCB) Ministry of Environment & Forest (MoEF)	L MARIE AR
Natural environment Ga			4. Monitoring of sedimentation soil and ecological parameter (18items on Supplemental EIA Table 6.1.15 for soil and 7 items such as 1)Netprimary productivitye, 2)Chlorophyll-a, 3)Phosphate, 4)Nitrate, 5)Nitrite, 6)Particulate Organic Carbon, 7) SiO ₂)	1-2: Mangrove density and community surve	у							Detailed monitoring plan will be setup during basic design stage	
	11	Hydrology	Flooding situation	1-3: Benthos Surve			350,000	0	350,000	0	350,000	Standard for Soil; Supplemental EIA Table 6.1.15 Standard for Ecological Parameter: Netprimary Productivity <1,500 mgC/m3/day at surface Chlorophyll-a <4mg/m3 Phosphate: 0.1-90µg/l Nitrate: 1.0-500µg/l Nitrite: <125µg/l Particulate Organic Carbon: 10-100mg/m³ SiO2: 10-5,000µg/l Project activitions and structures does not cause flooding	Not applicable for Pkg, 1 & 3
				measurement during high precipitation periods	2 Locations (CRZ at Sewri	4 Times / Year					2	and impacts on tidal conditions	
					and Shivaji Nagar) for Package II							·	
	12	Topography and Geology	Conditions in embankment area	Visual survey about Stability of embankment	Not applicable for Package III Not applicable for Package I Interchange in Shivaji Nagar for Package Ii	4 Times / Year	115,000	0	115,000	0	115,000	Embankment shall be stabilized without any landslide and cracks	Not applicable for Pkg. 1 & 3
	13	Local economy such as employment and livelihood			Not applicable for Package Affected area		As per Actuals						
ment	14	Local conflict of interests	Construction worker's township	Confirmation of workers list from	2 Locations (camp site in Sewri and Shivaji Nagar) for	2 Times / Year	125,000	0	125,000	0	125,000	Employment opportunity shall be provided fairly	
environ	15	Infectious diseases such as	Number of infected patient	contractor Confirmation of health check list	Package II 2 Locations	4 times / year x 4.5 years	525,000	0	525,000	0	525,000	Infection disease rate shall not be caused by the project	
Social	16	HIV/AIDS Labour Environment	Construction worker's condition	safety devices and conditions via interviews	2 Location (camp site in Sewri and Shivaji Nagar) for Package II	2 times / year	500,000	0	500,000	0		"Building And Other Construction Workers (Regulation of Emloyment and Conditions of Service) Act,1996", "The building and other construction worker's welfare cess Act, 1996" and international standards such as "IFC Performance Standard 2 Labor and Working Conditions"	
Other	17	Accidents	Number of accidents	accidents list from	2 Locations (camp site in Sewri and Shivaji Nagar) for Package II	4 Times / Year	400,000	0	400,000	0	400,000	Any accidents are not caused by construction	
七				Total			8140500	325,354,000	12,000,000	2,211,500	339,565,500	<u> </u>	

The Project for Construction of Mumbai Trans Harbour Link Reporting Form of Environmental Monitoring during Construction

Monitoring Period Jan - March 2023	_

Attachment 2-4

This form is prepared for reporting the monitoring results to JICA India Office. Only minimum required parameters are included in this form, and not all parameters in EMoP are covered.

. Environi	ronmental Monitoring during Construction for 4.5 years						Monitoring Result				Remark		
Area	No.	ltem	Parameter	Location	Frequency a year	item and Standard	Location 1- Pkg 1	Location 2 - Package 2	Location 3- Pkg 3	Location 4	- reasons why the data is exceeding standard - counter measures when the data is exceeding		
				Sewri & Sewri bay area for package I	Quarterly monitoring is conducted at all locations.	National Ambient Air Quality Standards (NAAQ	Sewri	Shivaji Nagar	Chirle		is		
	1	Air pollution	SO ₂ , NO ₂ , PM ₁₀ , PM _{2.5}	Nhava temporary bridge & casting yard in Gavhan for package	4 Times / Year	(Standard for 24hrs: Industrial and Residential)							
		ŀ		3. Gavhan & Chirle for	From march -2019	1. SO ₂ : 80µg/m ³	9.17	BDL	32		BDL- Below Detectable Limit		
-				package III	onwards monitoring is conducted quarterty as	2. NO ₂ : 80µg/m ³	35.58	34	50				
	-				per MOEF and CPCB	3. PM ₁₀ : 100µg/m ³	272.67	91	86				
ŀ					norms	4. PM _{2.5} : 60µg/m ³	49.67	21	45				
ŀ						5.CO:02mg/m3	1.33	1.5	0.73				
-						6.VOCs	1,01	3.1	1.05				
				Sewri & Sewri bay area for package I		Marine water quality Standards – Class SW-IV Harbour Waters (MPCB)	Zone I	Zone II	Zone III/ Package-03				
			all BOD DO Turbidity	2. Nhava temporary bridge & casting yard in Gavhan for package	4 Times / Year	1. pH : 6.5-9	7.5	7.7	Not applicable				
	2	Water pollution	and O&G	Gavhan & Chirle for package III	Not applicable	2. DO: 3 mg/l	4.7	5.8	Not applicable				
		ļ				3. Turbidity: 30 NTU	17.2	21.1	Not applicable				
		1				4. BOD: 5 mg/l	2.8 BDL[DL=2]	BDL	Not applicable Not applicable				
- I						5. O & G: 10 mg/l	25	16	Not applicable		 		
				Sewri & Sewri bay area for package !	Daily	Municipal Solid Waste Management Rules, 2013	80,6 Tonnes for 3 months	Shivaji Nagar Camp Site	Chirle Camp Site		t)		
				2. Nhava temporary bridge & casting yard in Gavhan for package	4 Times / Year	Generated waste soil (t) total		Approx. 2000 CuM Collected in jumbo bags and Disposed off in EBB Location.					
en e	3	Waste	cutting tree and	Volume of waste soil, cutting tree and domestic garbage	cutting tree and	3. Gavhan & Chirle for package III	work/execution part of work start.	Generated cutting tree (ha) total		9.	Tree cutting work completed and Half yearly report submitted to Client (April, 2022)		Both of forest and CIDCO area (234+75)= 309
						Generated domestic waste (t/month) total	80.6 Tonnes for 3 months	3.5 T/quarter.	2.1 T for the quarter				
						Confirmation of adequate disposal (visual survey)	Waste is disposed through Municipal Corporation.	It is disposed through CIDCO daily.	Waste is disposed through Municipal Corporation.	·			
				Sewri & Sewri bay area for package I	1. Muck: 1 Time / Year 2. Sediments: 4 Times / Year	Soil Pollution Standard in India (MOEF)	Sediment sample at Sewri	Muck Testing Done on September 2021 and Reports submitted to GC	Not applicable		Kindly check the letter No.Ref No. MTHL/ P3/L&T/GC/LT/HSE-2226/2020 dated on 12.12.2020		
				Nhava temporary bridge & casting yard in Gavhan for package		1. Cadmium: 0.01mg/l	BDL[DL=2]	8DL					
			=	Gavhan & Chirle for package III	*If any spillage/ leakage take place from chemical, fuel storage area.	2. total cyanide : not detected	NA		There is no reportable Oil spillage in project				
			And the state of t		*One time grab sample	3. organic phosphorus: not detected	NA	8.5	One time Soil test done (Report has been submitted)				



The Project for Construction of Mumbai Trans Harbour Link Attachment 2-4 Reporting Form of Environmental Monitoring during Construction This form is prepared for reporting the monitoring results to JICA India Office. Only minimum Monitoring Period -Jan - March 2023 Attachment 2-4 required parameters are included in this form, and not all parameters in EMOP are covered. 1. Environmental Monitoring during Construction for 4.5 years Storage area only There is no huge quantity of oil storage area, Oil requirment fulfil by Hazardous Storage is situated in low laying area at Gavan area. Due to this reason complete ground portable oil tanker (Indian area is covered by boulders to avoid further water Oil) on frequent basis. 4. lead: 0.01mg/l BDL[DL=0.6] 0,17 logging in rainy season. Therefore soil sample is Only small quentity of Oil
<1000 ltr is stored in well impossible to taken out from in and around the Oil & chemical storage area. Same has witnessed by GC esteblished oil storage during Febrary-2020 monitoring. area (Covered and Heavy Metals & Oil & Grease bundedwall from all side) 5. chromium (VI): 0.05mg/l Not detected BDL BDL[DL=1] 6. arsenic: 0.01mg/l or 15mg/kg (agri-land soil) BDL 7. total mercury: 0.005mg/l BDLIDL=21 BDL 8. alkyl mercury: not detected Not detected 9, PCBs: not detected Not detected BDL 10. copper: 125mg/kg (only paddy field soil) 154 Not detected RDI 11. dichloromethane: 0.02mg/l Not detected BDL 12. carbon tetrachloride: 0.002mg/ 13, 1,2-dichloroethane: 0.004mg/i Not detected BDL Not detected 14. 1,1-dichloroethylene: 0.02mg/l BDI 15. cis-1,2-dichloroethylene: 0,04mg/l Not detected BDL 16, 1,1,1-trichloroethane; 1mg/l Not detected BDL 17. 1,1,2-trichloroethane: 0.006 mg/l Not detected BDL 18, trichloroethylene: 0,03mg/l Not detected RDI 19. tetrachioroethylene: 0.01mg/l Not detected BDL 20. 1,3-dichloropropene: 0.002mg/l Not detected BDL 21. thiuram: 0.006mg/l Not detected BDL 22, simazine: 0.003mg/l Not detected BDL 23. thiobencarb: 0.02mg/l Not detected BDL 24, benzene: 0,01mg/i Not detected BDL 25. selenium: 0.01mg/t Not detected BDL 1. Sewri & Sewri bay Fortnightly Construction area Standard 85 dB(A) daytime area for package I Sea Section (ST5000-5500) (Japan standard) Not construction area : Ambient Noise Sewri (ST 200-500) Shivaji Nagar Chirle (package-III) Migratory Bird Area (no (industrial area) standard on sea section) Standard in India (dB(A) Laeq) Day time : 6-22 hr (continuous) dB(A) 2. Nhava temporary 2 Times / Year 69 73 70.5 63,35 3. Gavhan & Chirle for Fortnightly Night time: 22-6 hr (continuous) dB(A) 64.12 63.4 52.69 package III (only sea section) Day time: 6-22 hr (10 min during 9-17 hrs) 71.27 Ambient and road side noise (dB(A)LAeq) Night time: 22-6 hr (10 min 22-24 hr) 65.6 Note (standard values in Not construction area) Day Time: 75 (6-22hr) Night Time: 70 (22-6hr) 2.Commercial Area: Voise and vibratio Day Time: 65 (6-22hr) Night Time: 55 (22-6hr) Location Gavan area Half yearly Construction area Standard 75 dB daytime for package III Japan standard) Sewri (ST 200-500) Shivaji Nagar Chirle Not construction area: Vibration Standard (Industrial area) (Commercial area) (Japan Standard along the road) Not applicable Not applicable Day time: 6-22 hr (continuous) Not applicable Night time: 22-6 hr (continuous) Note (standard values in Not construction area)

1. Commercial /Industrial Area shall be converted from Kindly check the letter No.Ref No. MTHL/ P3/L&T/GC/LT/HSE-2226/2020 dated on 12.12.2020 Day Time: 70 (7-20hr)

Sewri side

(ST500-5500)

Night Time: 65 (20-7hr)

uality should not be worsen

Standard is not existing, but quantity and

Along MTHL alignment Quarterly and mangrove replant during the area for Package I construction

construction



Mangrove Replantation

area appointed by State

Government

Shivaji Nagar side

(app. ST16000-19000)

Sea Section

(ST5500-16000)

The Project for Construction of Mumbal Trans Harbour Link Reporting Form of Environmental Monitoring during Construction Attachment 2-4

Monitoring Period Jan - March 2023

Attachment 2-4

This form is prepared for reporting the monitoring results to JICA India Office. Only minimum required parameters are included in this form, and not all parameters in EMoP are covered.

Attachmen											
1. Environ	mental Mo	nitering during Co	nstruction for 4.5 years	Along MTHL alignment and mangrove replant area for package II	4 Times / Year	1-1. Fauna-Flora (number of species and quantity	Bird monitoring is being done by a separate agency BNHS	Bird monitoring is being done by a separate agency BNHS	N/A	N/A	
				alou or passings i		(1) Number of species of bird	28				Birds Monitoring report by BNHS has been submi separately
			1.Monitoring of mudflat		4.	(2) Number of species of fish	25]
l l						(3) Estimated number of Flamingo	>20,000				1
æ			conditions including fauna-flora 2. Monitoring of Cutting Tree and replantation/transplation			1-2: Mangrove density and community survey	Avicennia marina	Being carried out by Mangrove Foundation			Mangrove foundation report has been submitted separately
			area 3.Monitoring of			(1) Number of species of mangrove	Dominant - Avicennia sp.				
			Mangrove Plantation			(2) Density of mangrove (xx trees/10m x 10m)	EIA - Not disturbed.				
İ		Protected Area	area appointed by MoEF 4. Monitoring of	Į.		1-3: Benthos Survey	Flora, fauna, phytoplankton, zooplankton, Benthos				
ľ	6	710100007100	sedimentation soil and			(1) Number of species and quantity by species					
nent			ecological parameter (25 items on EIA main text Table 6.1.15 for soil and 7 items such as 1)Net primary productivity, 2)Chlorophyil-a, 3)Phosphate, 4)Nitrate,			2-1: Cutting tree confirmation	Tree Cutting: 407 trees (Till Mar 2023) Transplanting: 500 Trees (Till Mar 2023)	20 trees were cut with approval of Forest Department on 29-10-2018. Compensatory plantation of 40 trees were done in casting yard area during the period 15-10-2020 to 18-10-2020.	Cutting of tree - 341 Transplantation - 84		
퇽			5)Nitrite, 6)Particulate			(1) Number of cutting tree and species	407	20	341	-	
Environment			Organic Carbon, 7) SiO2)			3-1: Mangrove survey in the replant area	Being carried out by Mangrove Foundation	Being carried out by Mangrove Foundation	NA		Mangrove foundation report has been submitted
힐			0.02,	Ē.		(1) Number of species of mangrove					<u>separately</u>
릚						(2) Density of mangrove (xx trees/10m x 10m)					
Ž				Į.			4. Ecological Parameter				
						(1) Net primary Productivity : <1,500 mgC/m3/day at surface	500			·	
						(2) Chlorophyll-a: <4mg/m3	4,5				
				Ļ		(3) Phosphate: 0.1-90µg/l	5				
		1			1	(4) Nitrate: 1.0-500µg/l	6				
			1		ŀ	(5) Nitrite: <125µg/l	BDL[DL=2]				
l						(6) Particulate Organic Carbon: 10-100mg/m ³	1.01%				
				ŀ		(7) SiO2: 10-5,000µg/l	30.86				
		Ecosystem		Not applicable for Package I		Criteria for evaluation Project activities and structures does not cause flooding and impacts on tidal conditions	Sewri	Shivaji Nagar			
	7	Hydrology	Flooding situation	2 Locations (CRZ at Sewri and Shivaji Nagar) for Package II	4 Times / Year	Monitoring of flooding situation	No Flooding	No Flooding			
				Not applicable for Package III							
				2 Locations (1. Embankment of		Criteria for evaluation Embankment shall be stabilized without any landslide and cracks	Shivaji Nagar		Chirle Chira		
	8	Topography and Geology	Conditions in embankment area	Inter Change in Shivaji Nagar and 2 Cutting area at toll gate in Chirle)	4 times / year x 4.5 years	Monitoring of embankment	No changes in the embankment noticed	No changes in the embankment noticed	Rock filling activity is carried out as per agreement.		
	9	Local conflict of interests	Construction worker's township	2 Locations (major camp site in Sewri and Shivaii Nagar)	4 times / year x 4.5 years	Criteria for evaluation Employment opportunity shall be provided fairly	Sewri Camp Site	Shivaji Nagar Camp Site	Chirle		
		1		Shivaji Nagar)		Number of hired workers by community	around 1000	125-150	62		
						Criteria for evaluation infection disease rate shall not be caused by the project	Sewri Camp Site	Shivaji Nagar Camp Site			



Attachment 2-4 The Project for Construction of Mumbai Trans Harbour Link This form is prepared for reporting the monitoring results to JICA India Office. Only minimum required parameters are included in this form, and not all parameters in EMOP are covered. Reporting Form of Environmental Monitoring during Construction Monitoring Period -Jan - March 2023 Attachment 2-4 1. Environmental Monitoring during Construction for 4.5 years 2 Locations (major camp site in Sewri and Shivaji Nagar) 4 times / year x 4.5 years Regular health checks-ups are Doctor on call checks site specific Infectious diseases Number of infected done. In-house doctors are such as HIV/AIDS patient Regular Health check up infections., minor and major Confirmation of health check record and inspect appointed at site and labour incidents . 24x7 ambulance service , ERT team with trained first aiders is carried out by site camps along with Male nurses Trained first aiders and 24x7 project site Doctor. available ambulance services. Distribution of Safety kits to 225 Workers Medical Camp organised; wherein > 500 workers were consulted. 220 No. of Malaria tests carried out. Glucose Distribution at Site Criteria for evaluation "Building And Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996", "The building and other workmen. workmen.
Organised Street Play for workers .
Health Talk by Dr Akshay Shah
Haemato Oncology on Hazards of
Smoking & Chewing Tobacco and Shivaji Nagar Camp Site Gavan Camp site construction worker's welfare cess Act, 1996" and international standards such as "IFC 2 Locations (major camp site in Sewri and Shivaji Nagar) 2 times / year x 4.5 years Performance Standard 2 Labor and Working Labour Environment 11 incentive program with co-ordination with Bhramakumaris Conforming with BOCW Act 1996 Conforming with BOCW Act 1996 Site Visual Inspection Weekly site inspection Criteria for evaluation Sewri Site Shivaji Nagar Camp Site Chirle/Other area 2 Locations (major camp site in Sewri and Shivaji Nagar)

4 times / year x 4.5 years

Any accidents are not caused by construction 12 Number of accidents Number of recorded accident 1



QPR No.24 (Jan to March 2023) - Attachment 2-6

MTHL - ROW Land Acquisition Status (Attachment 2-6):

The total land required on the Navi Mumbai side is 108.4379 ha

Land acquired by MMRDA - 108.4379 ha

Land in possession of MMRDA - 106.3542 ha

Balance land under acquisition - 0.3937 ha

Note: The acquisition of 0.3937 ha of ROW land is in progress and likely to complete.

ROW Land Required in ha (for Package- 3)	ROW land acquired by MMRDA In ha	ROW Land in possession of MMRDA in ha	Balance ROW to be handed over (Possession to be taken + Under acquisition)	Anticipated date for 100% ROW Land Acquisition	Remarks
108.4379	108.0442	108.0442	2.0837 (1.6900+0.3937)	31-1-2023	The payment status to the land owners is awaited from CIDCO. The same would be communicated to JICA on receipt of the same.



Attachment 2-8

31-03-2023

RAP Implementation Monitoring Form For Mumbai Trans Harbour Link Project (MTHL)

1. General Information

a. RAP Implementation Monitoring Progress Status Report (PSR) for the 4th Results: quarter of 2022- 2023

b. Date of Preparing This form

c. Person Preparing This form

Name: Robin Sham

Position: Engineer and Team Leader

Department/Organizations:

General

Consultants

2. Scale of Impact

2.1 Project Affected Households (PAHs) and Project Affected Persons (PAPs) for Sewri side

Total Project Affected Households (PAHs)	231Hhs	Titleholders: 0 Hhs		
(17.1.6)		Non-titleholders: 231Hhs		
Total PAPs	1,282	Titleholders: 0 persons		
	persons*	Non-titleholders:1,282 persons*		
PAHs who need relocation (as residents)	231Hhs	Titleholders: Opersons		
residents)		Non-titleholders:231 (1,088persons) *		
PAPs who do not need relocation (as residents)	0 persons	Titleholders: 0 persons		
		Non-titleholders: 0 persons		
Commercial PAPswho need relocation	66 (104paras	Titleholders: 0 persons		
relocation	(194perso ns) *	Non- titleholders:66(194persons) *		
Commercial PAPswho do not need relocation	0 persons	Titleholders: 0 persons		
Telocation		Non-titleholders: 0 persons		

^{* -} Figures for number of persons do not include no. of family members of few additional PAPs.



Structures

4.40441.00	
Structures	Residential:231
	Commercial:65
	Residential + Commercial: 1 (counted in Commercial)
	Community:9 (Religious Properties 6, Public Toilets3)
	Government: 16 (MbPT Structures 9, Occupants of Leased Plots 6
	& Police Chowki 1)
	Total: 322

2.2 Fishery

2.2 Fishery				
Categories of	Identific	ed Number	Total	Remarks
Fisher-folks	Mumbai side	Navi Mumbai side		
C1: Fishing stakes and nets in RoW (250 m.)		54	232	Funds for 232 nos C1 category fishermen are transferred to Commissioner of Fisheries in 2017-22.
C2: Fishing Stakes and Nets within 500 m. of RoW (Southern side)		493	761	1. Funds for 704 nos C2 category fishermen are transferred to Commissioner of Fisheries in 2017-22. 2. 57 nos C2 category fishermen are verified and disbursement in process.
C3: Hand Pickers	1492	4040	5532	Funds for 5229 nos of C3 category fishermen are already transferred to the Commissioner of Fisheries and the balance of 302 Nos. of C3 category fishermen are in process of fund transfer to the Commissioner of Fisheries.
C4: Commercial and Artisanal Fisher-folks (Loss of Time and Increased	Will be observed during the construction period	Will be observed during the construction period		Nil



QPR No. 24 (Jan to March 2023) Attachment 2-8

Operating Costs)			
C5: Fisher-folks with Loss due to Turbidity	Will be observed during the construction period	Will be observed during the construction period	 Nil
C6: Fisher-folks with Damages due to Accidents	Will be observed during the construction period	Will be observed during the construction period	 Nil

2.3 Land Acquisition / Transfer

Location	Land Required in Ha.	Land Acquired in Ha.	Balance ROW to b Handed over in H	e
Sewri	10.089	10.089	0	
Navi Mumbai	108.4379	108.0442	2.0837	1.69 Ha yet to over to the Contractor & 0.3937 Ha is under acquisition
Total	118.179	118.1332	2.0837	

3. Monitoring Results

3.1 Sewri Section

Activity	Indicator	Total Target	Progress till Last Quarter	Progress during reporting Quarter	Cumulative Progress till Current Quarter	Cumulative Achievement of Total Target (%)	Remarks, If Any
Resettlemen t	No. of Residential PAHs provided with Allotment Letters of Alternate Tenements	2 3 1	226	0	227	98%	
	No. of Residential PAHs given possession of Alternate Tenements	2 3 1	226	0	227	98%	



QPR No. 24 (Jan to March 2023) Attachment 2-8

Activity	Indicator	Total Target	Progress till Last Quarter	Progress during reporting Quarter	Cumulative Progress till Current Quarter	Cumulative Achievement of Total Target (%)	Remarks, If Any
	No. of Commercial/R+C PAPs provided with Allotment Letters of Alternate Shops/Tenements	6	62	0	62	94%	
	No. of Commercial R+C PAPs given possession of Alternate Shops/Tenements	6	62	0	62	94%	
	No. of Occupants of MbPT Leased Plots provided Compensation	6	6	0	6	100%	
	No. of Religious properties Relocated / Removed	6	6	0	6	100%	
	No. of Other Community properties Relocated / Removed	4	4	0	4	100%	
	No. of Structures in possession of MbPT Dismantled / Cleared	9	9	0	9	100%	
	No. of PAHs/PAPs provided Shifting Charges / Arrangement	2 9 7	0	0	0	0%	
Rehabilitatio n	No. of PAHs / PAPs identified for Livelihood Support in Post Resettlement Assessment						



Activity	Indicator	Total Target	Progress till Last Quarter	Progress during reporting Quarter	Cumulative Progress till Current Quarter	Cumulative Achievement of Total Target (%)	Remarks, If Any
	No. of PAHs / PAPs provided Livelihood Support under Program-I (to be identified)						
	No. of PAHs / PAPs provided Livelihood Support under Program-II (to be identified)						
	No. of PAHs / PAPs provided Livelihood Support under Program-III (to be identified)						
	No. of new enterprises started						
Grievance Redress	No. of Grievances Received by FLGRC	4	_				
	No. of Grievances Disposed by FLGRC	3	1	0	1	100%	
	No. of Grievances Received by SLGRC	1	0	0	0		
	No. of Grievances Disposed by SLGRC	0					
Post Resettlemen	No. of CHSs Registration helped						
t Assistance	No. of CHSs provided Tenements for Social Amenities						
	No. of CHSs' Maintenance Fund Invested						



Activity	Indicator	Total Target	Progress till Last Quarter	Progress during reporting Quarter	Cumulative Progress till Current Quarter	Cumulative Achievement of Fotal Target (%)	Remarks, If Any
	No. of CHSs' Office Bearers provided training						

SUMMARY OF FISHER FOLKS OF MTHL PROJECT (Influence Zone of 24 villages) Up to 31-03-2023

	Village Name	Total number of forms Received	То С1	tal app C2	roved eli units C3	gible family Total
1	Bamandongri	273	1	1	28	30
2	Belapur	110	0	5	15	20
3	Belpada	1185	0	7	478	485
4	Diwale	455	12	201	52	265
5	Ganeshpuri	276	0	37	35	72
6	Gavhan	2162	0	14	1317	1331
7	Jasai	926	0	0	18	18
8	Jawale	51	0	1	0	1
9	Kombadbhuja	413	1	23	134	158
10	Kopar	994	2	5	228	235
11	Karave	178	0	44	67	111
12	Mahul	1062	129	77	604	809
13	Moha	475	22	25	134	181
14	Mora	818	0	102	375	477
15	Morave	539	14	21	88	123
16	Nhava	1646	0	32	307	339
17	Sarsole	266	0	30	83	113
18	Sewri	305	0	1	72	73
19	Shelghar	241	0	0	15	15
20	Shivajinagar	202	1	4	61	66
21	Trombay	1208	49	219	823	1091
22	Ulwe	218	1	3	14	18
23	Uran & Hanuman Koliwada	683	0	11	600	611
24	Vahal	411	0	2	1	3
	Total	15097	232	865	5548	6645



QPR No. 24 (Jan to March 2023) Attachment 2-8

Total applications	15097
Ouplicate/Repeated Application	2428
Net Applications	12669

Grievance Redressal Committee (GRC) for Fisher-folk Compensation

No. of Cases referred to GRC	No.	of Cases	No. of Cases Rejected	No. of Cases under Consideration
	Allowed	Compensation Paid		
Nil	Nil	Nil	Nil	Nil



QPR No. 24 (Jan to March 2023) Attachment 2-10

Implementation Schedule for Fisher-folks Compensation & Land Acquisition in Navi Mumbai

A. Implementation Schedule for Fisher-folks Compensation: -

ON S				
	lask Designation	Approving authority	Start Date	Completion Date
-	Approval of fisherfolk's compensation	Fisher-folks Compensation	08-10-2015	23-12-2015
	Policy	Committee (FCC)		
2	Approval by MMRDA	MMRDA	10-12-2015	23-12-2015
က	Submission to JICA	MMRDA		04-01-2016
4	A detailed list of PAP and compensation	1. Detailed list of Fisher-folk	23-12-2015	Up to 31-03-2023
	plan	PAP up to list 1 (1165 Nos) &		1. Total up to date applications scrutinized = 12669 Nos
		2 (1399 Nos) are finalized by		2. Eligible = 6645 Nos.
		the Fisheries Department.		3. Rejected = 6024 Nos.
		2. From 2018, FEVC		No. of the control of
		committee is the approval		
		authority of PAF and		
_		approved C1- 232 Nos.		
		C2 - 761 Nos and C3- 5532		
		Nos are approved.		
	Validation of compensation plan	Fisher-folks Compensation	23-12-2015	1. Approval to the Fisher-folk PAP list obtained from
		Committee (FCC)		Fisheries Department for Fisherfolk from Sewri,
				Mahul & Trombay (Mumbai side) 12th September
				2017 and 20th November 2018 for C-2 & C3
				Category only.



QPR No. 24 (Jan to March 2023) Attachment 2-10

Sr. No.	Task Designation	Approving authority	Start Date 23-12-2015	Start Date 23-12-2015 2. Approval to the Fisher-folk PAP list obtained from Fisheries Department for Fisherfolk of Navi Mumbai of C2 & C3 on 25th April 2018. 3. Validation of compensation is in progress and would
	Approval of compensation plan	CC	be compared to 123-11-2015 28-12-2017	be completed in phases.
	Approval by MMRDA	MMRDA	23-11-2015 09-03-2021	09-03-2021

B. Implementation Schedule for Land Acquisition in Navi Mumbai: -

Remarks	
Anticipated date for 100% ROW Land Acquisition	30-4-2023
Balance Land to be acquired in Ha	0.3937
ROW Land in Possession of MMRDA in Ha	108.0442
ROW Land Acquired by MMRDA in Ha.	108.0442
ROW Land Required in Ha.	108.4379



Implementation Schedule for SIA (Sewri Section)

		181	39
Task No.	Task Designation	Start Date	Completion Forecast Date
1	Preparation of Final SIA		or or out but
1.1	MMRDA Approval	October 2015	January 2016
1.2	JICA Approval	November 2015	
1.3	Posting of project Information on MMRDA		
1.4	Translation and disclosure of entitlement policy in local language to all PAP's	December 2015	January 2016
2	LARP Implementation		
2.1	Grievance redress mechanism established	August 2016	August 2016
2.2	Staff deployment SIA implementation	June 2016	Dec. 2021
2.3	Staff Deployment Public Relation	June 2016	June 2016
2.4	Hiring of Independent Evaluation Agency	November 2018	
2.5	Preparation and issue of allotment letters to PAPs	June 2018	Dec. 2022
2.6	Notice of PAPs for shifting (Sewri Section)	December 2018	Nov. 2021
2.7	Allotment of dwelling units to PAPs	September 2016	Dec. 2022
2.8	Shifting of PAPs to resettlement Colony	December 2018	Nov. 2021
2.9	Transfer of compensation/allowance/ assistance to PAPs	December 2018	Dec. 2022
2.10	Creation of Community Revolving fund (within 3 months post handing over)	April 2019	March 2023
2.11	Assessment of economic rehabilitation needs by individual household (within 6 months after handing over	September 2019	March 2023
2.12	Registration of Co-operative housing societies transfer of maintenance funds. (6 months period)	December 2019	April 2023
2.13	Signing of Civil Contract		January 2018
2.14	Notice of Civil works to proceed		March 2018
3	Monitoring & Evaluation		
3.1	Internal Monitoring- Monthly/ Quarterly	June 2016	July 2020
3.2	Independent Evaluation Mid-term and End term evaluation		
	Mid Term	May 2019	June 2020
	End Term	November 2019	March 2023



Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 23 (Oct-Dec 2022)

Attachment 3- JICA's Concurrence Status



Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 24 (Jan-Mar 2023)

Status of JICA'S Concurrence

	Bid	Cost			JICA's Con	JICA's Concurrence on		
Procurement procedure	Local Currency (Cr Rs.)	Total (Cr Rs)	PQ Documents	PQ Evaluation	۵	Technical Evaluation	Financial Evaluation	Contract
 ICB with PQ (2P)	7637.30	7637.30	JICA's 7637.30 Concurrence - 9th May 2016	JICA's Concurrence - 22nd Dec 2016	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 12 th Sep 2017	JICA's Concurrence - 12th Oct 2017	JICA's Concurrence – 15th Feb 2018
 ICB with PQ (2P)	5612.61	5612.61	JICA's 5612.61 Concurrence - 9 th May 2016	JICA's Concurrence - 22 nd Dec 2016	JICA's Concurrence - 4th Jan 2017	JICA's Concurrence - 12th Sep 2017		JICA's JICA's Concurrence – 12th Oct 2017 15th Feb 2018
 ICB with PQ (2P)	1013.79	1013.79	JICA's 1013.79 Concurrence - 9th May 2016	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 15th Sep 2017		JICA's JICA's Concurrence - Concurrence - 12th Oct 2017 15th Feb 2018
ICB with PQ (2P)	427.00	427.00	JICA's 427.00 Concurrence - 23 rd Aug 2019	Ą	JICA's Concurrence - 24th Aug 2021	JICA's JICA's JICA's Concurrence - Concurrence - 15th Feb 2022 21st Apr 2022 13th Oct 2022	JICA's Concurrence - 21st Apr 2022	JICA's Concurrence – 13th Oct 2022



1st Jan 2023 to 31st Mar 2023

Attachment 4- Project Procurement and Financial Status till 31st Mar 2023



Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 24 (Jan-Mar 2023)

PROJECT PROCUREMENT AND FINANCIAL STATUS TILL 31st March 2023

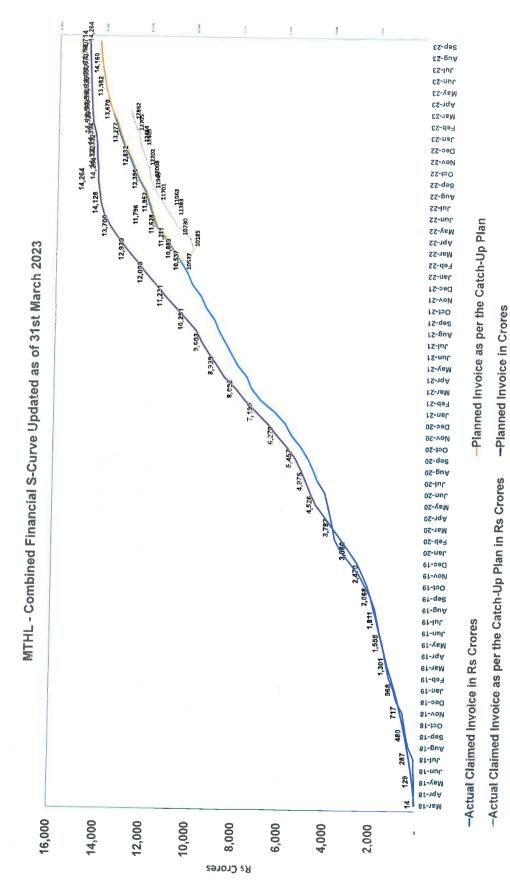
% of Financial Progress till 31st March 2023 (GC Certified) (Excluding Mobilization Advance, Price Adjustment and Work Variation)	91.20%	88.76%	90.31%	11.49%
% of Overall Works Progress (Design, Material Procurement and Construction) as per the Primavera Baseline Schedule Updated as of 31st March 2023	93.85%	93.85%	89.02%	Baseline programme submitted on 3rd Apr'2023 and its under GC review
Revised Project Completion Date After granting the Extension of Time (EOT)	30-Sep- 2023	27-Sep- 2023	03-Mar- 2023	
Stipulated Project Completion Date	21-Sep- 2022	21-Sep- 2022	21-Sep- 2021	30- Sep- 2023
Project Contractors Commencement Date	Mar 2018	Mar 2018	Mar 2018	June 2022
Contractors	L&T-IHI Consortium	DAEWOO- TPL JV	L&T	Strabag GmbH JV
Current Status	Awarded	Awarded	Awarded	Awarded
Awarded or Estimated Value (in Rs. Crore)	7637.30	5612.61	1013.79	449.00
Contract	Package-1 (CH 0+000 km to CH 10+380 km)	Package-2 (CH 10+380 km to CH18+187 km)	Package-3 (CH18+187 to CH21+800)	Package-4 Intelligent Transport System (ITS)
Туре		CIVIL		SE SE



1st Jan 2023 to 31st Mar 2023

Attachment 5- Financial S-Curve for Cumulative Planned Vs Actual Amount in Rs Crores

San Consulta



TO THE REAL PROPERTY AND THE PARTY AND THE P

Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 24 (Jan-Mar 2023)

Attachment 6- Package-1's Construction Programme Updated as of 25th Mar 2023

G SON



MUMBAI TRANS HARBOUR LINK PACKAGE 1, UPDATED DESIGN SUBMISSION PROGRAM FOR MARCH 2023





AECOM PADECO CE TYLIN

Activity Name	BL1 BL1 Start 1 Duration	BL1 Finish	Ongrial Start Duration	Finish	Schedule % Complete	Performance % Complete	Variance - BL1 Variance - BL1 To Start Date Finish Date Flo	2018 2019 2020 2021 2022 20 FMAIN ILLAS CIND HEMAIN HEMAIN ILLAS CIND HEMAIN H
ATHL P1 - Mar-23 Month Progress	120- (1344)-18		1442 23 My 16 A	0 2 Feb 24	98160.	98.85%	0 tt4 0	THAM SICTIMENT TO POSALL MAN SALL MAN SEALL MAN SEAL
1 Mumbai Trans Harbour Link - Package 1	1294 23-ALE-18	30-Sep-23	1442 23-Ma-18 A	07-F65-24	95 18%	93.65%	poly agent II w	
Commencement Date	0 23-Mar-18		0 23-Mar-18 A	8 3 7 8	100%	100%	0 0	A complete and delight dimension of \$1
50.1.0 Delay Events	588 31-Dec-20	28-Apr-23	588 31-Dec-20 A		0%	0%	0 284	
80.1.2 Key Mitestants		30-Sep-23	1681 15-Feb-19 A		0%	0%	137 -130 -13	
RB0.1.3 Access to Site		20-Feb-21	1066 23-Mar-18 A		0%	0%	0 -353	
RS0.1.5 Survey RS0.1.6 Geotechnical Investigation	79 23-Mar-18 0		73 23-Mar-18 A 420 23-Mar-18 A		0%	0%	0 0	
800.1.7 Infrasturcture Facilities	420 23-Mar-18 2 593 23-Mar-18 2		593 23-Mar-18 A		0%	0%	0 0	
R80.1.9 Design & Engineering (Cnyil)		08-Feb-22	927 23-Mar-18 A		0%	0%	0 -292 7	(A A A A A A A A A A A A A A A A A A A
PR60.1.9.1 (nitial Design (General & Proliminary Design, DBR)		29 Nav 18	229 23-Mar 18 A	29 Nov 18 A	:07:0	075	01 11	A POLICEMENT HOUSE NO 마음 전 마음 이 마음 아니는 그는 그 아니는 그는 그 아니는 그는 그는 그는 그는 그는 그는 그는 그는 그를 보고 있다. 그는 그는 그는 그를 보고 있다.
ID1001 General & Preimiary Design, DBR	90 23-Mar-18 2	29-Jun-18	90 23-Mar-18 A	29-Jun-18 A	100%	100%	0 1	
ID1002 L&T-IHI review and IDC	25 30-Jun-18 2	27-Jul-18	25 30-Jun-18 A	27-Jul-18 A	100%	100%	0 1	/: [] : - [] [[[[[]]]] [[]] [[]] [[]] []
ID1003 Revision and submission for Approval by Engineer	43 28-Jul-18 1	12-Sep-18	43 28-Jul-18 A	12-Sep-18 A	1G0%	106%	0 1	
ID1004 Approval of Engineer	71 13-Sep-18 2	29-Nov-18	71 13-Sep-18 A		100%	100%	0 1	<u>/iliik</u>
IPR60 1.9.2 Finalization of Alignment		24 Sept #	169 23 Maritis A		4000	0/4		
AL 1001 Alignment Proposal	32 23-Mar-18 2		32 23-Mar-18 A		100%	100%	0 4	
AL1002 Review and Approval of Alignment from Engineer PR60.1.9.3 Detailed Design and Construction Design	140 24-Apr-18 2	24-Sep-18	140 24-Apr-18 A	10-Sep-18 A	100%	100%	0 14	// F
MPR60 1.9.3.1 GIR		(S-F06-02 (9-Dec-19	1458 22-May 18 A0	09 DA =19 A	0%	1000	7 0 1	
MPR60 1.9 3.2 Test Pile		16-Jan-21	631 01 May 18 A		0%	3%		
MPR60 1.9.3.3 Design Phase -1 (Accelerated Design of Irebat Items)		7.8ap 21	853 27-1.0118 A		0%	95	0 39	
DP10 Technical Design - Foundation	180 27-Jun-18 1	10-Jan-19	180 27-Jun-18 A	10-Jan-19 A	100%	100%	6 1	
DP1(Technical Design - Substructure		08-Feb-19		08-Feb-19 A	100%	100%	0 1	
DP10 L&T-IHI review and IDC Review	224 28-Jun-18 2	28-Feb-19	224 28-Jun-18 A		100%	100%	0 1	
DP1(Submission to Engineer	173 23-Aug-18 2		173 23-Aug-18 A		100%	100%	0 1	
DP1(Engineer Approval	252 13-Sep-18 1		252 13-Sep-18 A	496 4 16 65 5	100%	100%	0 0	
DP10 Construction Design	211 17-Nov-18 1	-	211 17-Nov-18 A		100%	100%	0 1	
DP1C L&T-IHI review and IDC	186 14-Dec-18 1		186 14-Dec-18 A	4 - 4 - 5	100%	100%	0 0	
DP10 Revision and Submission to Engineer for Information	694 19-Dec-18 0		694 19-Dec-18 A		100%	100%	0 39	
MPR60 1.9.3 4 Design Phase ♥ (Accelerated Design of Invited Items) DP20 Technical Design - Foundation	891 26 MAR 2		180 OC MISS A	08-Feb-19 A	100%	100%	0 1	
DP20 Technical Design - Substructure	180 26-Jul-18 0 183 09-Aug-18 2		180 26-Ail-18 A 183 09-Aug-18 A		100%	100%	0 1	
DP2(L&T-IHI review and IDC Review		9-Apr-19		19-Apr-19 A	100%	100%	0 1	
DP2(Submission to Engineer	The state of the s	9-Apr-19	187 27-Sep-18 A		100%	100%	0 1	
DP2(Engineer Approval	296 06-Feb-19 2		296 06-Feb-19 A		100%	100%	0 1	
DP2(Construction Design		5-Apr-20	327 08-Feb-19 A		100%	100%	0 0	
DP2(L8T-IHI review and IDC	346 08-Feb-19 20	_ `	346 08-Feb-19 A		100%	100%	0 0	
DP2(Revision and Submission to Engineer for Information	707 14-Feb-19 20		707 14-Feb-19 A	7	100%	100%	0 34	
MPR60 1.9.3.5 Design Phase -3	675 25 Aug. 18 (7)	3-Dire-2	875 25-Aug 18 A	2740H21A	0.5		9) 941	
DP3(Technical Design - Foundation - Part 1	141 25-Aug-18 20	6-Jan-19	141 25-Aug-18 A	26-Jan-19 A	100%	100%	0 1	
DP30 Technical Design - Foundation - Part 2	223 14-Sep-18 10	6-May-19	223 14-Sep-18 A	16-May-19 A	100%	100%	0 1	
DP3/ Technical Design - Substructure - Part 1	137 30-Aug-18 20	6-Jan-19	137 30-Aug-18 A	26-Jan-19 A	100%	100%	0 1	
DP3C Technical Design - Substructure - Part 2	252 22-Sep-18 15		252 22-Sep-18 A		100%	100%	0 1	
DP3C Technical Design - Superstructure	202 21-Nov-18 29		202 21-Nov-18 A		100%	100%	0 0	1 control of the cont
DPS(L&T-IHI review and IDC Review - Part 1	146 25-Aug-18 01		146 25-Aug-18 A		100%	100%	0 1	
DP3C L&T-iHI review and IDC Review - Part 2	263 15-Sep-18 01		263 15-Sep-18 A		100%	100%	0 0	
DP3(Submission to Engineer	257 25-Sep-18 12		257 25-Sep-18 A		100%	100%	0 0	
DP3(Engineer Approval DP3(Construction Design	431 17-Nov-18 06 605 04-Dec-18 04		431 17-Nov-18 A		100%	100%	0 1	
DP3(L&T-IHI review and IDC	642 14-Dec-18 03		605 04-Dec-18 A 642 14-Dec-18 A		100%	100%	0 3	
DP3C Revision and Submission to Engineer for Information	770 19-Dec-18 03		770 19-Dec-18 A		100%	100%	0 34	
MPR60.193.6 Design Phase 4	THE RESERVE AND ADDRESS OF THE PARTY OF THE	3-D85-21	693 (15 set 18 A		1007			
DP4(Technical Design - Foundation	224 05-Oct-18 07		224 05-Oct-18 A	THE RESERVE OF THE PERSON NAMED IN	100%	100%	0 1	
DP4(Technical Design - Substructure	234 12-Oct-18 15		234 12-Od-18 A		100%	100%	0 1	
DP40 Technical Design - Superstructure - Part 1	99 11-Mar-19 18		99 11-Mar-19 A	20-Jul-19A	100%	100%	0 0	
DP4(Technical Design - Superstructure - Part 2	45 21-May-19 26	6-Aug-19	45 21-May-19 A	28-Aug-19A	100%	100%	0 0	
DP4C Technical Design - Superstructure - Part 3	68 11-Jun-19 25	5-Oct-18	68 11-Jun-19 A	25-Oct-19 A	100%	100%	0 1	
DP40 L&T-IHI review and IDC Review - Part 1	145 07-Oct-18 15		145 07-Oct-18 A		100%	100%	0 1	
DP41 L&T-IHI review and IDC Review - Part 2	257 26-Apr-19 05		257 26-Apr-19 A		100%	100%	0 0	
DP4(Submission to Engineer	388 24-Dec-18 26		388 24-Dec-18 A		100%	100%	0 0	
DP4C EngineerApproval	410 21-Mar-19 17		410 21-Ma-19A		100%	100%	0 1	
DP4(Construction Design	493 26-Apr-19 24	~	493 26-Apr-19 A		100%	100%	0 1	
DP4(L&T-JHI review and IDC	509 11-Jun-19 21	The same of the sa	509 11-Jun-19 A		100%	100%	0 18	
DP4C Revision and Submission to Engineer for Information	649 27-Jun-19 23	The second second second second	649 26-Jun-19 A	ALTERNATION AND ADDRESS OF	100%	100%	0 34	
MPR60 1 9 3 7 Design Phase 5	744 19 Dig 18 04	AND DESCRIPTION OF THE PARTY OF	150 22 (on 10 A	-	100%	100%	0 0	
DPSC Technical Design - Foundation DPSC Technical Design - Substructure - Post 4	150 22-Jan-19 15		150 22-Jan-19 A		100%	100%	0 0	
DP5(Technical Design - Substructure - Parl 1	126 19-Dec-18 06		126 19-Dec-18 A		100%	100%	0 0	
DP5(Technical Design - Substructure - Part 2 DP5(Technical Design - Superstructure - Part 1	10 15-Jul-19 15 83 21-Mar-19 27		10 15-Jul-19A 83 21-Ma-19A		100%	100%	0 0	
DPSC Technical Design - Superstructure - Part 1	49 05-Aug-19 25		49 05-Aug-19 A	100000000000000000000000000000000000000	100%	100%	0 1	त्व १ प्रकार प्रकार प्रकार महत्वपुर के देवल अनुस्कृतिक मध्या है अने हैं जिल्हें के कि कि कि कि कि कि कि कि कि क
			195 20-Dec-18 A		100%	100%	0 1	
Silver Burk in Burk in the control of the control o	795 20-Dec-18 23							
DPS(L&T-IHI review and IDC Review - Part 1 DPS(L&T-IHI review and IDC Review - Part 2	195 20-Dec-18 23 371 31-Jan-19 15		371 31-Jan-19 A		100%	100%	0 1	[H.



Critical Remaining Work Summary

Actual Work

MUMBAI TRANS HARBOUR LINK PACKAGE 1, UPDATED DESIGN SUBMISSION PROGRAM FOR MARCH 2023





AECOM PADECO CE TYLE

Activity Name	BL1 BL1 Start Duration	BL1 Finish	Onginal Start Duration	Pinish	Schedule % Complete	% Complete		
DP5(Submission to Engineer	381 31-Jan-19	26-May-20	381 31-Jan-19 A	26-May-20 A	100%	100%	0 1	
DP5(Engineer Approval	553 10-Jun-19	26-Sep-21	553 10-Jun-19 A		100%	100%	0 34	 Compared to the property of the p
DP5(Construction Design	552 11-Jun-19	26-Sep-21	552 11-Jun-19 A		100%	100%	0 62	
DPSC L8T-IHI review and IDC	561 17-Jun-19		561 16-Jun-19 A		100%	100%	0 73	
DPSC Revision and Submission to Engineer for Information	577 01 Jul-19	04-Nov-21	577 28-Jun-19 A		100%	100%	0 34	
MPR60 1 9 3 8 Dusign Phase 6 DP60 Technical Design - Foundation	310 19-Jan-19	26-Feb-20	310 19-Jan-19 A		100%	100%	0 1	
DP6C Technical Design - Substructure	336 24-Dec-18	28-Feb-20	336 24-Dec-18 A		100%	100%	0 1	[
DP6C Technical Design - Superstructure - Part 1	93 11-Mar-19	27-Jun-19	93 11-Mar-19 A		100%	100%	0 0	
DP6(Technical Design - Superstructure - Part 2	192 22-Jul-19	26-Mar-20	192 21-Jul-19A	26-Mar-20 A	100%	100%	0 1	
DP60 L8.T-IHI review and IDC Review - Part 1	241 24-Dec-18	15-Nov-19	241 24-Dec-18 A	15-Nov-19 A	100%	100%	0 1	
DP60 L&T-IHI review and IDC Review - Part 2	150 15-Nov-19	27-Apr-20	150 15-Nov-19 A	27-Apt-20 A	100%	100%	0 1	
DP6(Submission to Engineer	313 05-Apr-19	15-May-20	313 05-Apr-19 A	15-May-20 A	100%	100%	0 1	
DP6(Engineer Approval	498 15-Jul-19	28-Jun-21	498 12-Jul-19 A	03-May-21 A	100%	100%	0 19	
DP6(Construction Design - Part 1	498 15-Jul-19	28-Jun-21	498 15-Jul-19 A	05-Mar-21 A	100%	100%	0 53	
DP6(Construction Design - Part 2	353 02-Feb-20	28-Jun-21	353 02-Feb-20 A		100%	100%	0 45	
DP6(L&T-IHI review and IDC	519 22-Jul-19	06-Sep-21	519 20-Jul-19A	28-May-21 A	100%	100%	0 32	6
DP6C Revision and Submission to Engineer for Information	570 25-Jul-19	04-Nov-21	570 25-Jul-19 A		100%	100%	0 34	
MPR60 1939 Design Phase 7 DP70 Technical Design - Foundation	242 11-Jan-19	05-Dec-19	242 11-Jan-19 A		100%	100%	0 1	
DP7(Technical Design - Substructure	335 11-Jan-19	17-Mar-20	335 11-Jan-19 A		100%	100%	0 1	
DP7(Technical Design - Superstructure - Part 1	81 28-Mar-19	11-34-19	81 28-Mar-19 A		100%	100%	0 0	
DP7(Technical Design - Superstructure - Part 2	127 17-Oct-19	04-Mar-20	127 17-Oct-19 A	04-Mar-20 A	100%	100%	0 1	
DP70 L&T-IHI towew and IDC Review - Part 1	230 06-Feb-19	18-Dec-19	230 06-Feb-19 A	18-Dec-19 A	100%	100%	0 1	
DP7(L&T-IHI review and IDC Review - Part 2	203 17-Oct-19	26-May-20	203 17-Od-19 A	26-May-20 A	100%	100%	0 1	
DP7(Submission to Engineer	276 16-Apr-19	15-Apr-20	276 16-Apr-19 A	15-Apr-20 A	100%	100%	0 1	
DP7(Engineer Approval	427 12-Aug-19	20-Feb-21	427 09-Aug-19 A	20-Feb-21 A	100%	100%	0 1	<u>La la la la sala da la /u>
DP7(Construction Design - Part 1	427 12-Aug-19	20-Feb-21	427 10-Aug-19 A		100%	100%	0 37	
DP7(Construction Design - Part 2	405 Q1-Od-19	22-Feb-21	405 01-Oct-19 A		100%	100%	0 1	
DP7(Construction Design - Part 3	254 02-May-20	06-May-21	254 02-May-20 A		100%	100%	0 11	
DP70 L&T-IHI review and IDC	484 22-Aug-19		484 20-Aug-19 A		100%	100%	0 24	
DP70 Revision and Submission to Engineer for Information	645 29-Aug-19	THE RESERVE AND ADDRESS OF THE PARTY OF THE	645 28-Aug-19 A		100%	100%	0 119	■ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MPR60 1.9.3.10 Design Phase 8	(69) 08 Feb 19	20 4-120	341 08-Feb-19 A		100%	100%	0 1	
DPSC Technical Design - Foundation	341 08-Feb-19 374 14-Feb-19		374 14-Feb-19 A		100%	100%	0 1	
DPSC Technical Design - Substructure	76 28-Mar-19	24-Jun-19	76 28-Mar-19 A		100%	100%	0 0	
DP8C Technical Design - Superstructure - Part 1 Technical Design - Superstructure - Part 2	211 17-Oct-19	05-Jun-20	211 17-Od-19 A	-	100%	100%	0 0	
DP8C L&T-IHI review and IDC Review	343 09-Apr-19	06-Jul-20	343 09-Apr-19 A		100%	100%	0 1	
DP8(Submission to Engineer	339 13-Apr-19	06-Jul-20	339 13-Apr-19 A		100%	100%	0 0	
DP8K EngineerApproval	431 01-Aug-19		431 01-Aug-19 A		100%	100%	0 2	
DP8(Construction Design - Part 1	253 26-Sep-19		253 26-Sep-19 A		100%	100%	0 1	
DP8(Construction Design - Part 2	276 05-Oct-19	05-Oct-20	276 05-0d-19 A	05-Oct-20 A	100%	100%	0 1	
DP8(Construction Design - Part 3	210 02-May-20	22-Feb-21	210 02-May-20 A	16-Jan-21 A	100%	100%	0 33	
DP8C Construction Design - Part 4	168 02-Jul-20	25-Feb-21	168 02-Jul-20 A	25-Feb-21 A	100%	100%	0 1	
DP8C Construction Design - Part 5	83 25-Nov-20	25-Feb-21	83 25-Nov-20 A	25-Feb-21 A	100%	100%	0 1	
DPSC LAT-IHI review and IDC - Part 1	445 10-Oct-19	20-May-21	445 10-Oct-19A	18-Apr-21 A	100%	100%	0 12	
DP80 L&T-IHI review and IDC - Part 2	210 18-Jul-20	20-May-21	210 15-Jul-20 A	18-Apr-21 A	100%	100%	0 12	[2] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
DP80 Revision and Submission to Engineer for Information	513 23-Oct-19		513 23-Oct-19 A		100%	100%	0 33	· · · · · · · · · · · · · · · · · · ·
100 1.10 Design, Engineering & Material Procurement (OSD)	946 23-Mm-18	14-24(p-2.1	Q46 23-Mor-18 A	A STATE OF THE PARTY OF THE PAR	0%	Offs	0 24	
MPR60 1 T0 1 Instal Design D2001 General & Preliminary Design, DBR	90 23-Mar-18	A STATE OF THE PARTY OF THE PAR	90 23-Mar-18 A		100%	100%	0 1	
D2001 Cerea & Preminary Design, DBR	25 30-Jun-18		25 30-Jun-18 A		100%	100%	0 1	
ID2003 Submission to Engineer	43 28-Jul-18		43 28-Jul-18 A		100%	100%	0 1	
iD2004 Engineer Approval	71 13-Sep-18		71 13-Sep-18 A	The second of the property of the second of	100%	100%	0 1	
MPR60.1.10.3 Accodynamic Analysis	422 23-Min 18	79 Oct 49	422 23 M/r 18 A	30 Jan 19 A	- 0%	61	70 10 10	
AA1001 Desktop Study with IRC	26 23-Mar-18	20-Apr-18	26 23-Mar-16 A	20-Apr-18 A	100%	100%	ů 0	
AA1002 Desidop Study with JRA	26 21-Apr-18	19-May-18	26 21-Apr-18 A	19-May-18 A	100%	100%	0 0	
AA1003 Wind Tunnel Tests	18 25-Nov-18		18 25-Nor-18 A		100%	100%	0 1	
AA1004 Interpretation Report	6 15-Dec-18		6 15-Dec-18 A		100%	100%	0 1	
AA1005 L&T-IHI review and IDC Review	15 22-Dec-18		15 22-Dec-18 A		100%	100%	0 1	
AA1006 Submission to Engineer	5 08-Jan-19		6 08-Jan-19 A		100%	100%	0 0	
AA1007 Engineer Approvel	152 15-Jan-19	29-Jul-19	152 15-Jan-19 A	30-JUI-19 A	100%	100%	0 0	
MPR60 1 10.4 Technical Design	647 154A4/11s	20-11-20 20-5m-10	586 15459-18 A	109 Sep. 10 A	nv.	0.1		
MPR60 1 10 4 1 OS01NS/SS TD10 Structural Detail for OSD4	22 15-May-18		22 15-May-18 A		100%	100%	0 0	
TD10 Segment Arrangement for OSD-I	19 08-Jun-18		19 08-Jun-18 A		100%	100%	0 0	
TD10 Analysis for OSD4	19 29-km-18		19 29-Jun-18 A	A Company of the Comp	100%	100%	0 0	
TD10 Detail Design for OSD4	14 20-Jul-18		14 20-Jul-18 A		100%	100%	0 1	
T010 Drawings for OSO-4	50 10-Aug-18		50 10-Aug-18 A		100%	100%	0 1	
TD10 L&T-IHI review and IDC Review for General Drawings	58 03-Oct-18	05-Dec-18	58 03-Od-18A		100%	100%	0 1	
TD10 L&T-IHI review and IDC Review for Detail Drawings	63 03-Oct-18		63 03-Oct-18A		100%	100%	0 1	
The state of the s		20-Dec-18	72 03-Oct-18 A		100%	100%	0 1	
TD1(L&T-IHI review and IDC Review for Analysis and Calculations	15 00.000.10.							



MUMBAI TRANS HARBOUR LINK PACKAGE 1, UPDATED DESIGN SUBMISSION PROGRAM FOR MARCH 2023





ASCOM PADECO CO TYLIN

Activity Name	BL1 BL1 Start Duration	BL1 Finish	Onginal Start Duration	Finish	Complete % Con	npiete Start D	L1 Variance-BL1 T ale Finish Date F	dal 2018 1002 2023 2023 2024 EMAMILIANDIALI MAMILIANDIALI MAMILIANDIA MA
21(Engineer Approval	185 22-Dec-18		185 22-Dec-18 A		100%	100%	0 1	
60 1 10 4 2 OS02NS/SS D2C Segment Arrangement for OSD-II	180 26-Jun-18		180 26-Jun-18 A		100%	100%	0 1	
D2C Analysis for OSD-II	165 27-Jul-18		165 27-Jul-18 A			100%	0 1	
Detail Design for OSD-II	148 27-Aug-18		148 27-Aug-18 A			100%	0 1	
20 Drawings for OSD-41	32 02-Jan-19		32 02-Jan-19 A		100%	00%	0 1	
20 L&T-IHI review and IDC Review to General Drawings	76 06-Feb-19	30-Apr-19	76 06-Feb-19 A	30-Apr-19 A	100%	100%	0 1	
20 L&T-IHI review and IDC Review or Detail Drawings	139 06-Feb-19	22-Aug-19	139 06-Feb-19 A	25-Aug-19 A		100%	0 0	
20 L&T-IHI review and IDC Review for Analysis and Calculations	8 12-Aug-19		8 09-Aug-19 A			00%	0 0	
2(Submission to Engineer	7 09-Sep-19		7 06-Sep-19 A			00%	0 7	
2(Engineer Approval	127 09-Sep-19	30-Jan-20	127 08-Sep-19 A	30-Jan-20 A	100% 1	00%	0 1	
0 1 10 4 3 0303185 SS \$ Segment Arrangement for OSD-III	210 04-Nov-18	04-Jul-19	210 04-Nov-18 A	and the second	100% 1	00%	0 0	
3C Analysis for OSD-III	165 28-Dec-18		165 28-Dec-18 A		100%	00%	0 0	
Detail Design for OSD-III	161 02-Jan-19	22-Jul-19	161 02-Jan-19 A	24-Jul-19 A	100% 1	00%	0 0	
If Drawings for OSD-III	229 15-Jan-19	25-Nov-19	229 15-Jan-19 A	25-Nov-19 A	100% 1	00%	0 1	
L&T-IHI review and IDC Review for General Drawings	172 01-Aug-19	07-Mar-20	172 30-Jul-19 A	07-Mar-20 A		00%	0 1	
K L&T-IHI revew and IDC Review for Detail Drawings	145 24-Oct-19	31-Mar-20	145 24-Oct-19 A			00%	0 1	
IC L&T-IHI review and IDC Review for Analysis and Calculations	93 20-Dec-19		93 20-Dec-19 A			00%	0 1	
C Submission to Engineer	6 31-Mar-20		6 31-Mar-20 A			00%	0 1	
C Engineer Approval	75 06-Apr-20	and the same of the same of	75 06-Apr-20 A	and the second second	100% 1	00%	0 0	
Segment Arrangement for OSD-IV	22 06-Feb-19	01-Mar-19	22 05-Feb-19 A	A STATE OF THE PARTY OF THE PAR	100% 1	00%	0 1	
C Analysis for OSD-IV	30 06-Feb-19	10-Mar-19	30 06-Feb-19 A			00%	0 0	
C Detail Design for OSD-IV	9 11-Mar-19	20-Mar-19	9 11-Mar-19 A		100% 1	00%	0 1	
C Drawings for OSD4V	17 21-Mar-19	08-Apr-19	17 21-Mar-19 A	08-Apr-19 A	100% 1	00%	0 1	
L&T-IHI review and IDC Review for General Drawings	19 25-Mar-19	14-Apr-19	19 25-Mar-19 A	14-Apr-19 A		00%	0 0	
L&T-IHI review and IDC Review for Detail Drawings	22 16-Apr-19	09-May-19		09-May-19 A		00%	0 1	
L&T-IHI review and IDC Review for Analysis and Calculations	51 09-May-19		51 09-May-19 A			00%	0 0	
(Submission to Engineer	2 12-Aug-19		2 10-Aug-19 A			00%	0	
Engineer Approval 19.5 Construction Design	124 19-Aug-19	20-Jan-20	124 18-Aug-19 A	20-Jan-20 A	100% 1	00%	0 1	
1.10.5.1 GS01NS/SS	365 02 Feb 10	14 May 26	365 N2 Feb 19 A	14-May-20 A	n i	0%	0 1	
Shop Drawings for General	29 02-Feb-19	05-Mar-19	29 02-Feb-19 A	05-Mar-19 A			0 1	
t Shop Drawings for Structural Detail	31 02-Feb-19	07-Mar-19	31 02-Feb-19 A	07-Mar-19 A		00%	0 1	
Shop Drawings for Erection Reinforcement	9 01-Mar-19	10-Mar-19		10-Mar-19 A		00%	0 0	
Finishing of Shop Drawings	9 01-Mar-19	10-Mar-19		1045æ-19A		00%	0 0	
L&T-IHI review	221 10-Mar-19	09-Jan-20		09-Jan-20 A		00%	0 1	
IDC Construction Design Pack Review	189 15-Apr-19 101 25-Jan-20	09-Jan-20		09-Jan-20 A 14-May-20 A		00% 00%	0 1	(#14141414141414141414141414141414141414
Submission to Enginee: 60.1.10.5.1.1 Structure! Details for Exection inc. Local Reinforcement	267 02-Feb-19	14-May-20 24-Jan-20	The second secon	24-Jan-20 A	The second second	0%	0	
Machinery Selection for Construction Detailing	94 02-Feb-19	16-May-19	The state of the s	16-May-19-A		ALC: N	0 1	
Calculation for Construction Detailing	94 02-Feb 19	16-May-19	94 02-Feb-19 A	16-May-19 A	100% 10	00%	0 1	
COWI Review & Technical DWG Revision	42 01-Apr-19	16-May-19	42 01-Apr-19A	16-May-19 A	100% 10	00%	0 1	
IDC Review and submission to Engineer for Information	202 15-Apr 19	24-Jan-20	202 15-Apr-19 A				1	
1.10.5.2 OSD2NS/SS Shop Drawings for General	47 01-0ct-19	20-Nov-19	47 01-0d-19 A	20.Nov.19.5		0%	0 1	
Shop Drawings for Structural Detail	212 01-Nov-19		212 01-Nov-19A				0 0	
Shop Drawings for Erection Reinforcement	173 09-Dec-19	15-Jun-20	173 09-Dec-19 A			10%	1	
Finishing of Shop Drawings	105 01-Mar-20	13-Jul-20		15-JUI-20 A		10%	0	
BHI review	108 01-Mar-20	23-Jul-20	108 01-Mar-20 A			00%	0	
L&T-IHI review		24-Oct-20		24-Oct-20 A	100% 10	10%	1	
IDC Construction Design Pack Review	111 13-May-20	13-Nov-20	111 13-May-20 A	13-Nov-20 A	100% 10	10%	1	
Submission to Engineer	116 31-Dec-20	Accession to the second	110 14-Dec-20 A	the same of the sa		0% 1	0	
60.1.10.5.2.1 Structural Details for Erection Inc. Local Reinforcement	287 01-Dec-19		287 01-Dec-19 A	1		0%	1	
Machinery Selection for Construction Detailing		09-Apr-20	119 01-Dec-19 A			2.10	1	
Calculation for Construction Detailing	142 09-Dec-19 33 20-Oct-20	12-May-20 24-Nov-20	142 09-Dec-19 A 33 20-Oct-20 A			10%		
COWI Review & Technical DWG Revision - Part 2 IDC Review and submission to Engineer for Information	116 06-Jun-20	14-Dec-20	116 06-Jun-20 A			10%	1	
1.10.5.3 OS03NS/SS	303 (66-Apr.20	22.11.01	303 08 Apr 20 A			016		
Shop Drawings for General	65 06-Apr-20	15-Jun-20	65 06-Apr-20 A				0	
Shop Drawings for Structural Detail of MP75-MP78	96 15-Apr-20	30-Sep-20	96 15-Apr-20 A	30-Sep-20 A	100% 10	0%	0	
Shop Drawings for Erection Reinforcement	41 15-Jun-20	30-Sep-20		30-Sep-20 A	100% 10	0%	1	
Finishing of Shop Drawings		27-Feb-21	142 23-Sep-20 A		and the second	0%		
L&T-IFII review	156 23-Sep-20	16-Mar-21	The second contract of	02-Mar-21 A	The second second	0%	12	
IDC Construction Design Pack Review	30 16-Mar-21	15-May-21	30 23-Dec-20 A			0% 7		
Submission to Engineer	20 15-May-21	A STATE OF THE PARTY OF THE PAR	20 19-Mar-21 A	and the second second second		0% 2	-47	
60.1.10.5.3.1 Structural Details for Erection Inc. Local Reinforcement Machinery Selection for Construction Detailing	157 01-Jun-20 18 01-Jun-20	23-Jun-21 29-Jun-20	157 01-Jun-20 A 18 01-Jun-20 A	19-Mar-21 A 30-Jun-20 A		0%	0	
Calculation for Construction Detailing of MP75-MP78		30-Sep-20		30-Sep-20 A		0%		
COWI Review & Technical DWG Revision		24-Dec-20		24-Dec-20 A		0%		
IDC Review and submission to Engineer for Information	THE RESERVE OF STREET	23-Jan-21	ACCES OF THE PROPERTY AND ADDRESS OF THE PARTY	19-Mar-21 A	150	0% -6	-47	
10.5.4 OS04NS/SS	497, 01: Oct-19	14-Sep-21		19-Jun 21 A		0%		
Shop Drawings for General	34 01-Od-19	05-Nov-19	34 01-0d-19 A	06-NOV-19 A	190% 10	D%c 1	1	Light and the control of the control
The state of the s								



MUMBAI TRANS HARBOUR LINK PACKAGE 1, UPDATED DESIGN SUBMISSION PROGRAM FOR MARCH 2023





A=COM PADECO CE SECONO TYLIN

									= . //			4445				in.				-		
Activity Name	BL1 BL1 Start Duration	BL1 Finish	Orginal Start Duration	Finish	Schedule % Complete	% Complete	Variance - BL1 Start Date	Variance - BL1 Finish Date	Float F	2018 MAMJIJA	SUMPLE	2019 FMAMJJA	SIGNDIJE	2020	SIGNOJE	2021 MAMJJA	ISIGNOJ	FMAMJ.	IAS QNI	XJFMA	MJJASI	ONDI
CD41 Shop Drawings for Structural Detail	216 01-Oct-19	25-May-20	216 01-Oct-19 A	25-May-20 A	100%	100%	0	1		LITTEL	111111	1111111			111111	11111	LILLI				1-1-1-1-1	11-1
CD41 Shop Drawings for Erection Reinforcement	160 01-Dec-19		160 01-Dec-19 A	25-May-20 A	100%	100%	0	1		T : : :										/		
CD41 Finishing of Shop Drawings	171 16-Dec-19		171 16-Dec-19 A	05-Jul-20 A	100%	100%	0	0	ĺ													
CD41 L&T-IHI (BYON)	148 14-Jan-20	13-Jul-20	148 14-Jen-20 A	15-Jul-20 A	100%	100%	0	0														
CD41 IDC Construction Design Pack Review	88 23-Apr-20	29-Sep-20	88 23-Apr-20 A		100%	100%	0	1					1.11									1
CD4(Submission to Engineer	218 05-Oct-20	14-Sep-21	218 05-Oct-20 A		100%	100%	0	33	1						and the second							
MPR60.1:10.5.4.1 Structural Details for Erection Inc. Local Reinforcement	228 26 Nov-19		228 26-Nov-19 A		0%	0%	4	5.							-	1:1						
CI Machinery Selection for Construction Detailing	32 26-Nov-19	The street of th	32 26-Nov-19 A		100%	100%	0	1										11 : 1			411	: : :
CI Calculation for Construction Detailing	119 01-Dec-19		119 01-Dec-19 A		100%	100%	0	1							H 11 14 1	1 1 1 1			1 1111			1.1
CI COWI Review & Technical DWG Revision - Part 2	99 06-Apr-20	1	99 06-Apr-20 A		100%	100%	0	1														3 5
	89 27-Apr-20	04-Oct-20	89 27-Apr-20 A		100%	100%	0	0		21 - 21 1	i i entre		desperations of	1 2 2 2 2 2 2 2 2		14.54		1 1 1	÷ 104 ± 4		1 14 20	1.5
CI IDC Review and submission to Engineer for Information	09 21 4QF20	24 May 21	ARESIMON PRO	BOWLE CONTRACTOR OF THE	70012	100%	20 50	(20)														
MPR60.1.10.6 Material Procurement (1st Lox) MPR60.1.10.6.1 OS01NS/SS	160 1534#19	08-Nov 19	160 15 Mar 19 A		764	08.	0					100000						1.1			1111	111
PR1C Rough Cutting Plan for Large Plate	14 01-Apr-19	10.000000000000000000000000000000000000	14 01-Apr-19 A	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	100%	100%	0	1						111111	. 11 11	11.					3 2 3 4 1 1	
and the second control of the second control	14 01-Apr-19	15-Apr-19	14 01-Apr-19 A		100%	100%	0	1										- 11				
PR1(Rough Cutting Plan for Small Member			29 15-Mar-19 A		100%	100%	0	1					3111111	91000	*****	figure 1		1199		11111	Infritzia:	111
PR10 Material Order Input	29 15-Mar-19				100%	100%	0	0			. 111											111
PR1(Preparing Steel Raw Material	2 01-Aug-19		2 01-Aug-19 A		100%	100%		0						Hilli							11111	111
PR1(Steel Plate Rolling	8 01-Aug-19		8 01-Aug-19 A		100%	100%	0	0			1111		11. III		111111				1 111		11111	
PR10 Quality Chedding	5 15-Aug-19		5 15-Aug-19 A				0	-												7		
PR10 Material Shipping	52 09-Sep-19		52 07-Sep-19 A		100%	100%	U	1			11 60 63	red read	F 1 - F 0 - F 1 - F 0	Hyri	114 6 14	100	4 14	1 1		1111		111
MPR60 1 10 6 7 OS07NS/SS	117 11-No. 19		-117 11-Nov-19-A		10%	4001	U U	1					a de la com									
PR2(Rough Cutting Plan for Large Plate	14 11-Nov-19		14 11-Nov-19 A		100%	100%	0	1	- 1													
PR20 Rough Cutting Plan for Small Member	14 11-Nov-19		14 11-Nov-19 A		100%	100%	0	1	- 1													
PR20 Material Order Input	40 26-Nov-19	08-Jan-20	40 26-Nov-19 A		100%	100%	0	1			1.171		L									
PRZX Preparing Steel Raw Material	22 16-Dec-19	08-Jan-20	22 16-Dec-19 A		100%	100%	0	1			4 1 1 1 1	1111111			141141	. 44 11.						. n
PR21 Sted Plate Rolling	13 26-Dec-19	08-Jan-20	13 26-Dec-19 A		100%	100%	0	1														4 1
PR20 Quality Checking	57 15-Jan-20	17-Mar-20	57 15-Jan-20 A	17-Mar-20 A	100%	100%	0	1						11111				11:11			11:41	
PR2(Material Shipping	29 15-Feb-20	17-Mar-20	29 15-Feb-20 A	17-Mar-20 A	100%	100%	0	1														
MPR60 1 10 6 3 OS03NS/SS	193 27 tun-20	24-Mar-21	193 19-8/6-20 A	10 Jan 21 A	0%	0%	0 1	- 56			o i ki si		114111	Arres			1,11	1 - 1 - 1		1151		111
PR3C Rough Cutting Plan for Large Plate	93 22-Jun-20	28-Nov-20	93 19-Jun-20 A	28-Nov-20 A	100%	100%	0	1										Latin.				
PR3(Rough Cutting Plan for Small Member	41 15-Odi-20	28-Nov-20	41 15-Od-20 A	28-Nov-20 A	100%	100%	0	1														
PR3(Material Order Imput	38 18-Oct-20	28-Nov-20	38 18-Oct-20 A	28-Nov-20 A	100%	100%	0	1			(8 1 1	111111			e 🗯 🗄		1:::::			1111		11:
PR3C Preparing Steel Raw Material	55 07-Nov-20	07-Jan-21	55 07-Nov-20 A	18-Dec-20 A	100%	100%	0	18														
PR3(Steel Plate Rolling	42 28-Nov-20	14-Jan-21	42 28-Nov-20 A	18-Dec-20 A	100%	100%	0	24	i i				1 1				11111					111
PR3(Quality Checking	30 14-Jan-21	17-Feb-21	30 19-Dec-20 A	19-Jan-21 A	100%	100%	23	26					11111									
PR30 Material Shipping	30 17-Feb-21	24-Mar-21	30 19-Dec-20 A	19-Jan-21 A	100%	100%	53	56										1 1 1 1 1				1 1
MPR60 1 10 6 4 OS04NS/SS	110 28 Oct 19	25 Feb 20	110 28 Oct 19 A	75 Feb 20 A	D+	05						118111	-	17112								
PR41 Rough Cutting Plan for Large Plate	17 28-Oct-19	14-Nov-19	17 28-Oct-19 A	14-Nov-19 A	100%	100%	0	1		FIFT				11, 11							131,11	1
PR4C Rough Cutting Plan for Small Member	17 28-Oct-19	14-Nov-19	17 28-Od-19 A	14-Nov-19 A	100%	100%	0	1														
PR40 Material Order Input	27 15-Nov-19	14-Dec-19	27 15-Nov-19 A	14-Dec-19 A	100%	100%	0	1														
PR40 Preparing Steel Raw Material	14 18-Dec-19		14 18-Dec-19A		100%	100%	0	1														
PR44 Steel Plate Rolling	16 02-Jan-20	18-Jan-20	15 02-Jan-20 A	18-Jan-20 A	100%	100%	0	1			1											
PR4C Quality Checking	38 15-Jan-20	25-Feb-20	38 15-Jan-20 A		100%	100%	0	1												1 1		
PR4C Material Shipping	10 15-Feb-20	25-Feb-20	10 15-Feb-20 A		100%	100%	0	1														1 1
MPRED.1.11 Two Cultury and Transplantation	1229 23-Mar-18		1229 23-Mar-18 A		0%	0%	0	-484														1 1
MPROD.1.12 Utility Diversion	758 01-02-18	23-Aug-21			0%	0%	0	-393		FITTI	market de	e de la la de de de la la constante de la cons	de interestadad	16. Va. C. La de	وبالموادة ليمايين مؤ	a landard a disa	Same garage	Sugar Lade.	at interior		1 1 4 4 4	1
	1221 11-Jun-18	29-Sep-23			95.94%	93.67%	n	-102	+02			1 61 13		101-01-0								
MPROD.1.13 Construction			40 22-Dec-23	07-Feb-24	0%	0%	-23		-114	13 88 13		11 11 11										7-6
NPRID.1.14 Handing Over	23 26-Jun-23				94%	St 12%	2	-44							1 11 11 15	11311	11111		11111			
MPROD 1.15 Prior Schedule	643 30-Dec-20	30-6ep-23	792 02-Jan-21 A	Kn-sen-Ch	3476	EN-1279	4	-94	VI.						Y					111		F



Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 24 (Jan-Mar 2023)

Attachment 7- Package-2's Construction Programme Updated as of 25th Mar 2023

Page 44 of 60

Remaining Work

DAEWOO-TPL JV

	UNDER IDENTIFICATION NO MMRDA/ENG/00075	3									
#	Activity ID Activity Name	Original BL Project Start Duration	BL Project Finish	Actual Start	Actual Finish	Schedute % Complete	Performance % Complete		2021 2022	2023 202	
1	MTHL-PKG2-DETAILED WORK PROGRAMME_25032023_APPROVED_MPR.60	3151 17-Nov-17	21-Sep-24	17-Nov-17		100%	\$3.85%				
2	PROJECT PRE-COMMENCEMENT ACTIVITY	126 17-Nov-17	22-Mar-18	17-Nov-17	16-Mar-18	0%	.0%	16 Mar-18 A. PROJECT: PRE-COMMEN			
3	PRE-COMMENCEMENT ACTIVITY	55 15-Dec-17	07-Feb-18	15-Dec-17	20-Mar-18	0%					
4	JV FORMATION AND REGISTRATION	55 15-Dec-17	07-Feb-18	15-Dec-17	20-Mar-18	0%	0%	2146-18A. W. FORMATION AND RE-	ASTRATION		
5	PROJECT EVENT MILESTONE	2433 23-Mar-18	21-Mar-23	23-Mar-18		0%	0%				18-Nov-24; PROJECT: EVEN
6	PROJECT KEY MILESTONE	2296 23-Mar-18	22-Sep- 22	23-Mar-18		0%	0%				DAJULIM PROJECT KEY MILEST
7	INTERFACE MILESTONE_ERG19	2405 19-Apr-18	21-Mar-23	03-Apr-18		0%	0%				18-Nov24; INTERFACE MIL
8	PHYSICAL PROGRESS AND INTERFACE DATE_ADD2-ATTACHMENT 25	2053 18-Sep-18	22-Jun-22	31-Aug-18		0%	0%			······································	May 24, PHYSICAL PROGRESS
9	CONSTRUCTION KEY MILESTONES	1308 03-Sep-18	06-Jul-21	25-0d-18	01-Jan-22	0%	0%		V 01-Jan-22:A	CONSTRUCTION KEY M	lestones:
10	MANAGEMENT	613 20-Jan-18	18-Aug-18	12-Jan-18	22-Aug-19	0%	0%		VA GENJENT		
11	SITE ORGANISATION	35 20-Jan-18	23-Feb-18	07-Mar-18	07-Mar-18	0%	0%				
12	DEVELOPMENT OF MANAGEMENT SYSTEM	613 20-Jan-18	27-May-18	20-Jan-18	22-Aug-19	0%	0%	22-A(g-19A, DE)	ELOPMENT OF MANAGEMEN	T SYSTEM	
13	DEVELOPMENT OF WORK PROGRAMME	63 23-Mar-18	24-May-18	23-Mar-18	21-Sep-18	0%	0%	777777 21-Sep-18/4, DEVELORMENT (F WORK PROGRAMME		
15	OTHER CONTRACTUAL SUBMITTALS PERMIT & APPROVAL	28 24-Mar-18 388 20-Jan-18	20-Apr-18	24-Mar-18	23-Apr-18	0%	0%	W 22-AH-18A OTHER CONTRACTUAL / 03-AH-19A PER	SUEWITTALS		
16		1321 20 Jan-18	18-Aug-18 04-Sep-19	12-Jan-18 01-Jan-18	03-Aug-19 02-Feb-21	100%	10006		WI GAPTOVAL		
17	DESIGN EARLY STAGE DESIGN WORK / INFORMATION COLLECTION	678 20-Jan-18		01-Jan-18	12-Nov-19	100%	10076	**************************************			rectary.
18	TEMPORARYWORK			20-Jan-18	20-Aug-20	100%	100%	7. (2004-197.)	777UVVVE (C2CLEOR)	CITECUTAMARIUN DOLLEC	(ryn
19	CONCRETE MIX DESIGN		31-Aug-18	12-May-18	15-Nov-18	0%	0%	(5-Nov-18AL CIGNORE TE MIN	DESIGN	7 - 1 1 1 1 1 1 1 1 1 1	
20	JFE DESIGN PROGRAMME			09-Apr-18	02-Feb-21	100%	100%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	V ORFO 21A JFE DESIGN	PREGRAMME	
21	PROCUREMENT, MANUFACTURING AND LOGISTICS	1930 20-Jan-18	23-Aug-20	22-Dec-17	To the last of	100%	100%)		V 28 Apr-28, PROCU	PREMIENT MANUFACTURING AND
22	SURVEY & INVESTIGATION	72 20-Jan-18	02-Apr-18	22-Dec-17	04-Apr-18	0%	0%		NC.		
23	TEMPORARYWORK	964 20-Jan-18	20-Oct-18	20-Jan-18	11-May-20	0%:	0%	711-3Vio	-20A; TEMPORARY: WORK:	7 1 1 7 1 7 3 3 5 5 5 5 6 7 5 5 6 7 5 6 7 5 7 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
24	MAIN WORK_SUBCONTRACT WORK	1520 23-Mar-18	20-Jul-19	23-Mar-18	25-Feb-23	0%	0%				ORK_SUBCONTRACT WORK
25	EQUIPMENTS	1096 23-Mar-18	12-Sep-19	23-Mar-18	05-Nov-20	100%	100%	H.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	05No-20A; EQUIPMENTS		
26	PRECAST MOULD AND SYSTEM FORM				25-Sep-20	100%	100%		5-Sepi20A,: PRECAST MOULD	AND SYSTEM: FORM :	1
27 28	MATERIAL SUPPLIERS			20-Apr-18		0%	0%			▼ 28-Apr-23; MATERI	AL SUPPLIERS
29	MATERIAL PROCUREMENT	0 07 140 40			13-Oct-22	0%	0%			3-0 ci-22 A; MATERIAL PR	OCUREMENT:
30	PROCUREMENT OF STEEL GIRDER STEEL PLATE FOR (RHS.STEEL MOUDLE-2_MP177 - MP182)	Constitution of the Consti		01-Aug-19 08-Aug-19	02-Jul-20	0%	0%		TV: 02-195/21/A, IPROGURENE	NI:OF:STEELGIRDER	
31	STEEL PLATE FOR (LHS.STEEL MOUDLE-2 MP177 - MP182)		***************************************	01-Aug-19	12-May-20	0%	C%.		20 A STEEL PLATE FOR MAS	STEEL WALLE 2 MAI	// - NR 362)
32	STEEL PLATE FOR (RHS.STEEL MOUDLE-3_MP183 - MP186)	315 01-Jul-19	Water Committee	01-Nov-19	17-Aug-20	0%	0%	V	Aug-20A.: STEEL: PLATE POR:	RHI STEEL MOUDIFIS IN	P183 LMP197
33	STEEL PLATE FOR (LHS.STEEL MOUDLE-3_MP183 - MP185)	315 04-Jun-19	14-Apr-20	01-Oct-19	05-Nov-20	0%	0%		05No+20A, STEEL PLATE FO	R (IHS.STEEL MOUDLE:3	:ME183+MP186)
34	STEEL PLATE FOR (RHS.STEEL MOUDLE-1_MP176 - MP171)	286 30-Jul-19	23-Aug-20	01-Apr-20	02-Feb-21	0%	0%	<u> </u>	♥: 02-Peb:21:A,:STEEL:PLATE	ROR (RHS.STEEL MOUD)	E-1_MP176 - MP17:1)
35	STEEL PLATE FOR (LHS.STEEL MOUDLE-1_MP176 - MP171)	327 02-Jul-19	26-Jul-20	29-Mar-20	05-Jan-21	0%	0%		7 : 05Jani21:A,:STEEL PLATE;F	OR (LHS.STEEL:MOUDLE	÷1_MP178 - MP171)
36	IMPACT OF COVID-19	- 51		22-Mer-20	25-May-20	0%	0%				
37	CONSTRUCTION	2222 02-Apr-18	21-Jun-22	02-Apr-18		100%	96,35%	†		(\$)	New-24, CONSTRUCTION
38	TEMPORARYWORK	2222 02-Apr-18		02-Apr-18		100%	97.95%			· · · · · · · · · · · · · · · · · · · 	vay-34, temporary work
39	PREPARATION WORK				25-Jul-19	0%	0%	A SECTION ESTADOS SAN	RATION WORK:		
40	ESTABLISHMENT OF EMPOLYER & CONTRACTOR OFFICE				18-Jan-19	100%	100%	V 18-Jen-19A ESTABUSIME	NTOFEMPOWER & CONTRA	STOR OFFICE	
41	ESTABLISHMENT OF LABOUR CAMP ESTABLISHMENT OF CONCRETE CASTING YARD				04-Apr-19	100%	0%	/ PAPATT19ALESTABLISH	MENT OF LABOUR CAMP		
43	ESTABLISHMENT OF STEEL SPAN ASSEMBLY YARD				12-May-21 30-Mar-21	100%	100%		TZMOLZIR ESTABLIS	EVENT OF CONCRETE C	PRI (ING YARD
44	TEMPORARY BRIDGE			27-Jul-18		100%	96.49%		TO WATER RESIDENCE	TO OF SIZEL SPANAS	SOUNDLY, YARU
45	PERMANENT WORK			08-Dec-18		100%	96.14%				24 OF RMANENT WORK
46	PRE-FABRICATION AND ASSEMBLY	The same of the sa	-	16-Oct 19		100%	99.6%	V		7 28-Apr-23, PRE-FAR	RICATION AND ASSEMBLY
47	CONCRETE PRE-FABRICATION AT THE CASTING YARD	893 18-Apr-19	15-Sep-21	06-Nov-19	04-Mar-23	100%	100%	\		DI-MINISTER CONCRE	TE PREFABRICATION AT THE CA
48	PC-HOUSE PRE-CASTING	0				0%	0%				
49	CONCRETE GIRDER PRE-CASTING	673 18-Apr-19 1	15-Sep-21	06-Nov-19 (04-Mar-23	100%	100%		11111111111111111111111111111111111111	P PHM9123A CONCRE	TE GIRDER PRE-CASTING ANTONIAT THE SUPPLIERS MORE ONIAT THE SUPPLIERS MORE S FRABRICATION AT LIPE) WHISS (FABRICATION AT LIPE) TO MP IT (FRABRICATION AT LIPE) COEANIFREIGHT TO THE MUNICATION FREIGHT TO THE MUNICATION AT
50	STEEL SPAN FABRICATION AT THE SUPPLIER'S WORK SHOP INCLUDING LOGISTIC				04-Jun-22	100%	100%		V Oklun≤	24. STEEL SPAN FABRY	ATIONAT THE SUPPLIERS WOF
51	STEEL SPAN FABRICATION AT THE SUPPLIERS WORK SHOP				18-Feb-22	100%	100%	V 141	18-Feb-22-A	steel span fabricati	onat the suppliers work is
52 53	STEEL MODULE-02_MP182 - MP177 (FABRICATION AT JFE)				25 Jun-21	100%	100%		25-Jos 21 A. STEELAK	XLULE-02_MP182 - MP177	FABRICATION AT JPE);
54	STEEL MODULE-03_MP186 - MP183 (FABRICATION AT JPE) STEEL MODULE-01_MP176 - MP171 (FABRICATION AT JFE)				01-Dec-21 18-Feb-22	100%	100%		HITTHIN (III Dec 21 A ST	ERL MODULE(03_MP 186.	MP189 (FABRICATION AT JFE)
55	STEEL MODULE-OF INFT/F (PASSICATION AT SEE) STEEL SPAN MATERIAL OCEAN FREIGHT TO THE MUMBAI PORT INCLUDING CUSTOM CLEARANCE		SOURCE III	LSW-MSV/	18-F-90-22 01-Mar-22	100%	100%		16t eo-22k	oreciebalista	OF METER GARBICATION AT LETE
56	STEEL MODULE OI, MP175 - MP171 (OCEAN FREIGHT)			01122423	71-Mar-22	100%	100%	*************************************	01-Mari22A	STEP MODULE OF LEASE	VALMENTY (OCEAN ESERCIAL
57	STEEL MODULE-92 MP182 - MP177 (OCEAN FREIGHT)				13-Sep-21	100%	12/12/2				
						3.00	- Company	***************************************			
	Actual Level of Effort Critical Remaining Work EMPLOYE	<u>R:</u>				CONTR	ACTOR	R:		Revision Ch	ecked Approved
	■ Actual Work ♦ Milestone	METROPOLITAN REGION	DEVELOPA	AENT AL	THORITY	DAEW	OO-TI	PT. IV	25-Mar-23 R0		

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

(MMRDA)

DAEWOO-TPL JV

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE UNDER IDENTIFICATION NO MMRDA/ENG/000753

Actual Work

Remaining Work

♠ Milestone

		UNDER IDENTIFICATION NO MMRDA/ENG/000		Tala Birda	10.1.101-1	I A d al Faish	Cubadda 9/	Defermence	2018 2019 2020 2021 2022 2023 2024 2025 2026
	Activity	vity ID Activity Name	Original BL Project Star Duration	BL Project Finish	h Actual Start	Actual Finish	Schedule % Complete	% Complete	2010
┢	В	STEEL MOUDULE-03_MP186 - MP183 (OCEAN FREIGHT)	347 29-Nov-20	05-Nov-21	06-Mar-21	24-Dec-21	100%	100%	# 1 DESCRIPTION OF THE PROPERTY OF THE PROPERT
		LOADING AND DELIVERY TO THE CONTRACTOR'S ASSEMBLY YARD	555 20-Aug-20	24-Jan-22	21-Oct-20	04-Jun-22	100%	100%	ON STATE OF THE CONTRACTORS AS
-		STEEL MODULE-01_MP176 - MP171 (DELIVERY TO ASSEMBLY YARD)	156 02-jan-21	24-Jan-22	26-Oct-21	04-Jun-22	100%	100%	A PROCESS (A) SIESE WOOLDES (M-1/9) - MP-1/1 (DEDMERY/NO/AS) A PROCESS (A) SIESE WOOLDES (M-1/2 (M-1/2) (DEDMERY I D'ASSEMBLY)
_		STEEL MODULE-02_MP182 - MP177 (DELIVERY TO ASSEMBLY YARD)	343 20-Aug-20	19-Aug-21	21-Oct-20	13-Oct-21	100%	100%	
	2	STEEL MODULE-03_MP186 - MP183 (DELIVERY TO ASSEMBLY YARD)	308 09-Jan-21	20-Nov-21	14-Apr-21	07-May-22	100%	100%	/ I/AA#:ZA:STELIACUUE:GEAFIEE-MPIESQELVERVITÖASSEA V/ZA#ZA:STEELGIROERASSEMBLYATITECONTI
	3	STEEL GIPDER ASSEMBLY AT THE CONTRACTOR'S ASSEMBLY YARD	595 06-Sep-20	17-Feb-22.	23-Nov-20		100%	90.83% 72.5 %	7 - 22-Apr-23, STEEL WOODULE-(II) MP-178-MP-171 (ASSEN
		STEEL MODULE-01_MP176 - MP171 (ASSEMBLY WORKS)	222 13-Oct-21	17-Feb-22 06-Jan-22	21-Jun-22 19-Feb-23		100%	0%	
N.	5	STEEL SPAN ASSEMBLY_MP171 - MP17Z_G1	64 20-Noy-21 44 20-Noy-21	06-Jan-22	10-Mar-23	-	100%	0%	TV : (AApr-23, STEEL, SPANVASSEMBLY, NP 171 + MP (72, G VVV : (7.Apr-23, STEEL, SPANVASSEMBLY, NP 171 + MP (72, G
	В	STEEL SPAN ASSEMBLY_MP171 - MP172_G2	70 28-Dec-21	19-Jan-22	24-Jan-23	+	100%	25%	THE 22-ADE-23, STEEL SPANASSEMBLY MP-172; MP-173, C
		STEEL SPAN ASSEMBLY_MP172 - MP173_G1	53 25-Jan-22	17-Feb-22	11-Feb-23		100%	100%	WY 25 Mar 23; STEEL SPAN ASSENBLY MP 172- MP 173_G
	3	STEEL SPAN ASSEMBLY_MP172 - MP173_G2	72 29-Nov-21	21-Dec-21	17-Nov-22	18-Feb-23	100%	100%	WWW 1646-23A STEEL SPANASSEMBLY AP 173 + MP 174 (
_		STEEL SPAN ASSEMBLY_MP173 - MP174_G1	60 11-Nov-21	30-Dec-21	13-Dec-22	10-Feb-23	100%	100%	THE TOPHOLOGICAL STEEL SPAN ASSEMBLY, MP. 178.4 MP. 179.5
		STEEL SPAN ASSEMBLY_MP173 - MP174_G2 STEEL SPAN ASSEMBLY_MP174 - MP175_G1	163 23-Od-21	11-Dec-21	25-Jul-22	13-Jan-23	100%	100%	A SANTEAN STEEL SPON ASSEMBLY AND AND ASSEMBLY ASSEMBLY AND ASSEMBLY ASSEMBL
1	2	STEEL SPAN ASSEMBLY MP174 - MP175_G2	126 02-Nov-21	11-Dec-21	19-Sep-22	03-Feb-23	100%	100%	THE CORRESPONDED TO A SPENDENT OF THE CORRESPONDENT
		STEEL SPAN ASSEMBLY_MP175 - MP178_G1	74 13-Oct-21	02-Dec-21	17-Oct-22	26-Dec-22	100%	1009	Skidedázá, sted spánássemblý mente ig
		STEEL SPAN ASSEMBLY_MP176 - MP176_G2	113 23-Oct-21	02-Dec-21	21-Jun-22	24-Nov-22	100%	100%	### ## A NOTZZA, STEEL SPANASSEMBLY, MP1751-MP176_C2
	5	STEEL MODULE-02_MP182 - MP177 (ASSEMBLY WORKS)	381 (25-Sep-20	18-Sep-21	23-Nov-20	25-Jt.#-22	100%	100%	######################################
	3	STEEL SPAN ASSEMBLY_MP176 - MP177_G1	220 03-May-21	26-May-21	03-Jul-21	25-Jul-22	100%	100%	
	7	STEEL SPAN ASSEMBLY_MP176 - MP177_G2	120 25-Jun-21	28-Jul-21	02-Nov-21	01-Mar-22	100%	100%	VIIIV DI-Narizza, štebi španaššbabi(y japido-napito(32 VIIIV DI-Narite (31
	3	STEEL SPAN ASSEMBLY_MP177 - MP178_G1	· 68 28-Jun-21	09-Aug-21	05-May-21	28-Oct-21	100%	100%	DELIGIZIALSTEELISHANASSEMBELT,WF-1971-WF-176_03
	9	STEEL SPAN ASSEMBLY_MP177 - MP178_G2	75 20-Aug-21	18-Sep-21	18-Oct-21	04-Jan-22	100%	100%	**************************************
		STEEL SPAN ASSEMBLY_MP178 - MP179_G1	71 05-Mer-21	27-Mar-21	09-Mar-21	29-Jun-21	100%	100%	ASO AUT : (A STEED I SPOM ASSEMBLY MR 78 - MP/79 52
		STEEL SPAN ASSEMBLY_MP178 - MP179_G2	74 26-Apr-21	19-May-21	17-Apr-21	30-Aug-21 28-May-21	100%	100%	28-May-21 A. STEEL SPAN ASSEMBLY MP (79 - MP (8) CH
	2	STEEL SPAN ASSEMBLY_MP179 - MP180_G1	77 02-Jan-21	25-Jan-21 20-Mar-21	19-Jan-21 09-Feb-21	27-Oct-21	100%	100%	AZZSCZZI, ISTELISTANASSENEY AMERICANI POLICE
Ji	3	STEEL SPAN ASSEMBLY_MP170 - MP180_G2	184 25 Feb-21 73 (02-Nov-20	25-No+20	15-Jan-21	03-May-21	100%	100%	
12		STEEL SPAN ASSEMBLY_MP180 - MP181_G1	55 19-Dec-20	11-Jan-21	28-Dec-20	04-Jun-21	100%	100%	OHALDICITAL STEEL SPAN ASSEMBLY MP180 - MP181 52
1		STEEL SPAN ASSEMBLY_MP180 - MP181_G2	72 05-Sep-20	29-Sep-20	23-Nov-20	23-Mar-21	100%	100%	
11		STEEL SPAN ASSEMBLY_MP181 - MP182_G1	78 22-Oct-20	14-Nov-20	08-Dec-20	31-Mar-21	100%	100%	STATE SAMASSARY MEM. 4810 32
ا		STEEL SPAN ASSEMBLY_MP181 - MP182_G2	418 06-Jul-21	23-Nov-21	25-May-21	05-Mar-23	100%	100%	DSAMAZZA, STEEL MODULE OS JAP 1881-MP183 (ASSEM
ــال	3	STEEL MODULE-03_MP188 - MP183 (ASSEMBLY WORKS) STEEL SPAN ASSEMBLY_MP182 - MP183_G1	153 09-Aug-21	18-Oct-21	28-May-22	05-Feb-23	100%	100%	
13		STEEL SPAN ASSEMBLY MP182 - MP183_G2	247 24-Aug-21	28-Oct-21	24-Mar-22	05-Mar-23	100%	100%	DEALGRAZA, STEEL SPANASSEMBLY, MP-HR2-IMP HR3-C
ا		STEEL SPAN ASSEMBLY MP183 - MP184_G1	153 04-Oct-21	28-Oct-21	24-Jan-22	24-Jan-23	100%	100%	A Proposite Signal Association of the Control of th
	2	STEEL SPAN ASSEMBLY_MP183 - MP184_G2	170 01-Nov-21	23-Nov-21	22-Feb-22	02-Feb-23	100%	100%	
		STEEL SPAN ASSEMBLY_MP184 - MP185_G1	274 24-Jul-21	08-Oct-21	10-Jul-21	29-Dec-22	100%	100%	(2) DODZZA, STEELSPANIASSEWELY, MPHBIL: MPXSLG1
-	-	STEEL SPAN ASSEMBLY_MP184 - MP185_G2	198 (.6-Aug-21	08-Oct-21	02-Dec-21	06-Jan-23	100%	100%	V (Bijani 22A STEEL SPAN ASSEMBLY JMP18N - MP385 G3
	5	STEEL SPAN ASSEMBLY_MP185 - MP185_G1	325 06-J.4-21	16-Aug-21	25-May-21	25-Nov-22	100%	100%	/ ENWOZALSTEE ISPANASSEMBLY (4Pidb) WP1db (4C)
	5	STEEL SPAN ASSEMBLY_MP185 - MP185_G2	323 10-34-21	28-Sep-21	29-May-21	25-Nov-22	100%	100%	SAGEZASTEELSHANASSERET, 197-165-147-165-22
		STEEL SPAN LOADING AND TRANSPORTING TO THE ERECTION AREA	258 30-Sap-20	19-Feb-22	30-Dec-21	Marin Marin	100%	83,33%	#### #AREA: STEEL MODULE OF JAPTIS - MP-171 (LOAD O
	3	STEEL MODULE-01_MP176 - MP171 (LOAD OUT AND TRANSPORT)	99 03-Dec-21	19-Feb-22	17-Dec-22	40 Piece 20	100%	50%	THE TENDOS SEA STEEL MODILE OF METER LAPTER LOAD OUT
		STEEL MODULE-42_MP182 - MP177 (LOAD OUT AND TRANSPORT)	129 30-Sep-20	21-Sep-21	30-Dec-21	13-Dec-22 13-Mar-23	100%	100%	SAME-SSAL STEEL MOOLILEIK JAP (88 - MP (88) (LAC)
	0	STEEL MODULE-03_MP186 - MP183 (LOAD OUT AND TRANSPORT)	104 01-Sep-21	25Nov-21 24-May-22	17-Nov-22 08-Dec-18	13-WES-223	100%	91.86%	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1	ĸ	MAIN BRIDGE	1928 03-Sep-18 1402 03-Sep-18	23-Mar-21	08-Dec-18	13-Oct-22	100%	100%	
1 L	2	MAIN BRIDGE FOUNDATION	1198 03-Sep-18	23-Jan-21	08-Dec-18	21-Feb-22	100%	100%	24-co-22°; MAN BRIDGE PILE:ROUNDATION
31	13	MAIN BRIDGE PILE FOUNDATION	386 03-Sep-18	19-Nov-18	08-Dec-18	11-Nov-19	100%	100%	が始み的を対応にはなります。
	4	PILE LOAD TEST	323 30.Nov-18	15-May-19	17-Jan-19	11-Jun-20	100%	100%	THAURZOA: MARK BRIDGE PALE FOLKBATION LAND 17444-16-167 187 FROM ME'280 TO ME'280
	15	MAIN BRIDGE PILE FOUNDATION LAND 17+414-18+167 FROM MP250 TO MP266	126 30-Nov-18	05-Mar-19	23-Aug-19	06-Mar-20	100%	100%	OSMAN-ZOA, MCCCLE.22, MC201, MC257
	7	MODULE-21_MP261 - MP267 MODULE-22_MP266 - MP262	167 O6-Mar-19	15-May-19	17-Jan-19	28-Jan-20	100%	100%	26-Jan-2019, MCDCAE-22_MP2651-MP262
	8	MODULE-20_MP266 - MP265 MODULE-20_MP266 - MP255	32 05-Dec-18	10-Jan-19	25-Sep-19	19-Mar-20	100%	100%	で (GANG-2014 MODALE-RO) (PR 225) MP 225
	9	MODULE-19_MP254 - MP250	199 11-Jan-19	16-Apr-19	05-Oct-19	11-Jun-20	100%	100%	A STATE OF
	0	MAIN BRIDGE PILE FOUNDATION_CRZ 15+890-17+414 FROM MP226 TO MP250	268 20-Dec-18	27-Nov-19	12-Jun-19	21-Feb-20	100%	100%	27-1-020) AMAI BRIDGE RILEHOUNDATION CON-GRADE THY MEROMARIZATION PROS
	1	MODULE-14_MP231 - MP227	48 17-Aug-19	27-Nov-19	08-Nov-19	21-Feb-20	100%	100%	7 (21-ca-20)A, MODULE-14-34-23] MP227
	2	MODULE-15_MP236 - MP232	77 08-Mar-19	26-Aug-19	08-Aug-19	25-Dec-19	100%	100%	SCOppitBA_MODULE_IIS_BF228:-MP232
	3	MODULE-16_MP240 - MP237	113 20-Dec-18	08-Mar-19	12-Jun-19	11-Nov-19	100%	100%	V 164904-16A NOOLAE-36 (MPN) MPN)
	4	MODULE-17_MP245 - MP241	94 20-Mar-19	17-Jun-19	09-Od-19	04-Jan-20	100%	100%	WWW DALEGOZIA, MODILLE ROLLESSO MENNI
	5	MODULE-18_MP249 - MP246	74 21-Jan-19	26-Mar-19	15-Oct-19	09-Feb-20	100%	100%	Serializa A. Mobile (a) Mistelli (a) Mistell
F		Actual Lauri of Effect Critical Demaining Mark	OVED.				CONT	RACTO	R: Date Revision Checked Approved
		Actual Level of Effort Critical Remaining Work EMPL Actual Work Milestone					1 —	WOO-T	25-Mai-25 RU
		Actual Work Milestone	AL MATTRODOLITANI DECIC	IN DEVELO	OBJERIT A	TIDODIT	LIIAH	W 1 21 1-1	FI IV ARREST III /

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

(MMRDA)

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE UNDER IDENTIFICATION NO MMRDA/ENG/000753

Remaining Work

# Ac	livity ID	Activity Name	.	Original BL Project Star	t BL Project Finis	h Actual Start	Actual Finish	Schedule % Complete	Performance % Complete	2018 2019 2020		2023 2024	2025 2026 2
116		MAIN BRIDGE PILE FOUNDATION INTERTIDAL 14+600-15+880 FROM MP205 TO MP225		417 27-Feb-19	06-Jun-20	15-Oct-19	26-Aug-20	100%	% Complete		2 %-August A MANANGRISH SCENNI	E FOUNDATION INTERTIDAL 14+80	
117		MODULE-10_MP211 - MP207		243 12-Mar-20	06-Jun-20	01-Nov-19	18-Feb-20	100%	100%		2014 MODULE 10 MP211 - MP20		OF ISTORPITION MEADING
118		MODULE-11_MP216 - MP212		277 27-Feb-19	03-Apr-20	15-Oct-19	24-Feb-20	100%	100%		2014. MODULE 11_MP216-MP21		
119		MODULE-12_MP221 - MP217	- i	225 06-Apr-19	30-Oct-19	25-Feb-20	26-Aug-20	100%	100%		28-Aug-20 A. MODIUME-12: MP22	1-M-217	
120		MODULE-13_MP226 - MP222		313 30-Oct-19	06-Feb-20	24-Jan-20	16-Jun-20	100%	100%		6-xuri-20A; MODULE-13_XP226+1	/P222	
121		MAIN BRIDGE PILE FOUNDATION_MARENE 13+610-14+800 FROM MP187 TO MP206		531 12-Dec-19	28-Nov-20	01-Oct-19	07-Feb-22	100%	103%		7年 申22	A: MAIN BRIDGE PILE FOUNDATIO	MARINE 13+610+14+80);
123		MODULE-08_MP208 - MP202 MODULE-08_MP201 - MP197		340 12-Dec-19	06-Mer-20	01-0d-19	13-Oct-20	100%	100%		W: 12-0ct-20 A: MODULE: 09 MP2	08 + MP202	
124		MODULE-07_MP196 - MP192		262 22-Feb-20 146 02-May-20	19-May-20 08-Sap-20	19-Feb-20 12-Oct-20	25-Dec-20 07-Feb-22	100%	100%		/25)=0;20A: WODUE-08 (/P.201 - MP197	
125		MODULE-08_MP191 - MP187		82 21-Aug-20	28-Nov-20	31-Aug-20	10-Dec-20	100%	100%		10 Dec-20 A. MODULE 65 M	A'; M(97), LLE (1/_MP 190 4 5/1P 192;	
126		MAIN BRIDGE PILE FOUNDATION_MARINE (STEEL) 11+880~13+610 FROM MP171 TO MP186	THE RESERVE TO SERVE THE PARTY OF THE PARTY	678 27-Nov-19	23-Jan-21	17-Mar-20	21-Feb-22	100%	100%			A MAN BRIDGE PILE FOUNDATIO	NIMARINE/STEEN 11490
127		STEEL MODULE-03_MP186 - MP183		80 30-May-20	21-Nov-20	08-Oct-20	15-Feb-21	100%	100%		7 15-Feb-21 A. STEEL MOD		
128		STEEL MODULE-02_MP182 - MP177		336 27-Nov-19	10-Sep-20	17-Mar-20	25-Jan-21	100%	100%		25-Jao-21 A. STEEL MODIL	1.E-02_MP182+MP177	
129		STEEL MODULE-01_MP176 - MP171		185 30-Jul-20	23-Jan-21	19-Apr-21	21-Feb-22	100%	100%		₹.21-Feb-22	ALS TEEL MODILLE OI MP176 - MP1	171
130		MAIN BRIDGE PILE FOUNDATION_MARINE 10+380-11+880 FROM M P146 TO MP170		723 24-Nov-18	28-Dec-19	19-Feb-19	21-Dec-21	100%	100%		₹ 21-Dec/21/A	MAIN:BRIDGE:PILE FOLINDATION MODULE-05_MP17:1-MP167	_MARINE 10+380~11+880 FR
131		MODULE-05_MP171 - MP167		193: 19-Jun-19	16-Oct-19	24-Feb-21	21-Dec-21	100%	100%		7 21-Dec/21A	MODULE OS MP171 - NP167	LC. 111
133		MODULE-04_MP166 - MP162		507 24-Nov-18	18-Feb-19	19-Feb-19	20-Feb-21	100%	100%		20Feb 21A MOCULE 01	MP:166 - MP:162	
134		MODULE-03_MP161 - MP167 MODULE-02_MP166 - MP162		393 22-Jan-19 94 16-Apr-19	18-Apr-19 27-Jul-19	03-Apr-19 21-Dec-20	25-Mar-21 27-Mar-21	100%	100%		Z-Mar-21 PL MODULE O	Chair back Chair School or control of the	
135		MODULE-01 MP161 - MP146		107: 04-Oct-19	28-Dec-19	23-Dec-20	03-Apr-21	100%	100%			Z_04 (Tais)-1982 152 4 645 454 6460 442	
136		MAIN BRIDGE PILE CAP INSTALLATION		1135 22-Dec-18	23-Mar-21	01-May-19	13-Oct-22	100%	100%			i_MF 1511 × MP146 13 CD-82 A. MAIN BRIDGE PICE CA 3-5±pi22A ; MAIN BRIDGE PICE CA	AP INSTALLATION
137		MAIN BRIDGE PILE CAP BOTTOM SLAB INSTALLATION		1008 22-Dec-18	17-Feb-21	19-Aug-19	23-Sep-22	0%	0 %			3-Sep;22A: MAIN BREDGE PILE CAI	P BOTTOM SLAB INSTALLA
138		MAIN BRIDGE PILE CAP BOTTOM SLAB_CRZ 15+890~17+414 FROM MP226 TO MP250		356 17-Jan-19	12-Dec-19	19-Aug-19	28-May-20	0%	0%		May 20 A: MAIN BRIDGE PILE CA	P BOTTOM SLAB CRZ 151890-17-1	A14 FROM MP226 TO MP250
139		MODULE-14_MP231 - MP227		168 28-Sep-19	12-Dec-19	24-Dec-19	28-1/Lay-20	0%	0/		May: 20 A. MODULE: 14 MP 231; - M	P227	
140		MODULE-15_MP236 - MP232 ———————————————————————————————————		71 05-Apr-19	11-Sep-19	02-Nov-19	21-Feb-20	0%	6 7.	▼ 1. Feb	2011, MODULE-15_MP296 - MP232		
141		MODULE-16_MP240 + MP237 ————————————————————————————————————		142 17-Jan-19	20 Mar-19	19-Aug-19	23-Feb-20	0%	0 X		20:A.:MODULE:16_MP240 - MP237		
142		MODULE-17_MP245 - MP241		44 17-Apr-19	03-Jul-19	22-Od-19	04-Jan-20	0%	0/	111111111111111111111111111111111111111	A. MODULE 17_MP245 - MP241		
144		MODULE-18_MP249 - MP246 MAIN BRIDGE PILE CAP BOTTOM SLAB INTERTIDAL 14+800~15+890 FROM MP206 TO MP225		63 19-Feb-19 186 06-Apr-19	12-Apr-19 18-Jul-20	06-Nov-19 30-Dec-19	10-Feb-20 30-Nov-20	0%	0%		OA: MODULE:18_MP248 - MP246;		
145		MODULE-10_MP211 - MP207		95 15-Apr-20	18-Jul-20	30-Dac-19	30-Nov-20	0%	0%		V SONOVZUA MAINERIUGE P	LE CAP EDITION SLAB INTERTIO	AL14+800+15+890;FROM M
146				128 06-Apr-19	15-Apr-20	09-Mar-20	19-Oct-20	0%	07	***************************************	30-Sept20A, MODULE 10 MP21 19-Oct-20A, MODULE 11 MP21	- - - - - - - - - - - - -	·
147				74 10-May-19	12-Nov-19	11-Sep-20	30-Nov-20	0%	0%		▼: 30 Nov-20 A. MODULE:12 MP		
148		MODULE-13_MP226 - MP222		59 03-Dec-19	18-Feb-20	27-Apr-20	26-Oct-20	0%	0%				
149		MAIN BRIDGE PILE CAP BOTTOM SLAB_MARINE 13+610-14+800 FROM MP187 TO MP205		420 21-Jan-20	10-Dec-20	16-Nov-19	09-May-22	0%	0%		D9 Prings	BH MP222 224. MAIN BRIDGE PILE (CAP:BOT	TOM SLAB MARINE 134610
150		MODULE-09_MP206 - MP202		289 21-Jan-20	20-Mar-20	16-Nov-19	11-Nov-20	0%	0 %;		W 15 NOV 20 A MODULE 65 JAPE W 25 FBD 21 A IMODULE 08 L	96- MP202	
151		MODULE-08_MP201 - MP197		50 23-Mar-20	30-May-20	11-Nov-20	25-Feb-21	0%	0%	**************************************	7V 25FBb21A, MODULE OB_	VP201-:NIP197	// 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
152		MODULE-07_MP196 - MP192		153 30-May-20	08-Oct-20		09-1/lay-22	0%	0/:-		D9May-	2214. MODULE (17. MP) (96.+ MP) (92.	
153		MODULE-06_MP191 - MP187		77 08-Oct-20	10-Dec-20		26-Jan-21	0%	0%		*** 26-jan-25 A. MODULE-06_M	Pisi Jampisz Jepisza, mainierkość polecaj Jepisza, stellinoduleci "Myc	
155		MAIN BRIDGE PILE CAP PRECAST SHELL_MARINE (STEEL) 11+880~13+610 FROM MP171 TO MP18 STEEL MODULE-01 MP175 - MP171	0	422 08-Jan-20 167 02-Nov-20	17-Feb-21		23-Sep-22 23-Sep-22	0%	0%			-Sepi22A, MAIN BRIOGE PILE CAP	PRECAST SHELL WARING
156		STEEL MODULE-02 MP182 - MP177		118 08-Jan-20	26-Sep-20		26-Feb-21	0%	Y/1		A SHE STATE OF THE SHEET WOOD	HSEP 22A STEEL MODULE OIL MP1	/6:-:MP171
157		STEEL MODULE-03_MP186 - MP183	100	194 07-Aug-20	03-Dec-20		204/lay-22	0%	0%			22/A.: \$TEEL:MODULE-08_MP(186)- W	mD482
158		MAIN BRIDGE PILE CAP BOTTOM SLAB_MARINE 10+380-11+880 FROM MP146 TO MP170		300 22-Dec-18	21-Jan-20		22-Jan-22	0%	C96		722-jan-22 A.	MAIN BRIDGE PILE CAP BOTTOM:	SLAB MARINE 10:380-11:
159		MODULE-05_MP171 - MP167	The second second	108 24-Aug-19	28-Oct-19	26-Mar-21	05-Jan-22	0%	0×		▼: 05Jen:22A, h	MAM BRIDGE PILE:CAP:BOTTOM: NOLUCEOS MP175 - MP167 NCDULE-04, MP166 - MP162	
160		MODULE-04_MP166 - MP162		199 22-Dec-18	01-Mar-19	15-Feb-21	22-Jan-22	0%	C/A		7 22-Jan-22 A	MCDULE-04_MP166+MP162	
161		MODULE-03_MP161 - MP157		111 01-Mar-19	10-May-19	28-Jan-21	20-Oct-21	0%	O%.		20-Oct-21 A. MO	DUILE-08_MP161 + MP157	***************************************
162		MODULE-02_MP156 - MP152		53 15-May-19	16-Aug-19	To a construction of the c	17-May-21	0%	(C×		₩₩ tāliyay-29A, MODULE-(12 <u>.</u> MP156: MP152	
163 164		MODULE-01_MP151 - MP146		168 01-Nov-19	21-Jan-20	High Property	24-Oct-21	0%	O'Y		7 24-Oct-21 A; NO	RE_MP156+ MP152 DALE-DY_MP151+ MP146 ACC-22A: MAIN BRIDGE PILE CAP	
165		MAIN BRIDGE PILE CAP INSTALLATION MAIN BRIDGE PILE CAP I AND 37444-494-99 EPON MP264 TO MP266		1119 27-Dec-18	23-Mar-21	I begin to the second	13-Oct-22	100%	100%			30 d-22 A. MAIN BRIDGE PILE CAP	INSTALLATION
166		MAIN BRIDGE PILE CAP_LAND 17+414-18+188 FROM MP251 TO MP266 MODULE-21_MP261 - MP257		377 27-Dec-18 248 27-Dec-18	13-Jun-19 30-Mar-19	Access Access	27-Jun-20 27-Jun-20	100%	100%	(44.);(44.);(44.);(4.);(4.);(4.);(4.);(4	RO-2011, MANY EMPLOYEE PILE: CAP	LAND 17+414-18+188 FROM MP25	JD MP268
167		MODULE-22_MP266 - MP262		207 02-Apr-19	13-Jun-19	100000000000000000000000000000000000000	27-30/F20 16-May-20	100%	100%	446	#420A MODIEF-29 (#2206 - #42		
168		MODULE-20_MP256 - MP255		54 01-Jan-19	06-Feb-19	THE REPORT OF	23-1/Jay-20	100%	100%	23.14	M20A MODULE 20 MP256 MP2		
169		MODULE-19_MP254 - MP250		218 08-Feb-19	13-May-19	234000000000000000000000000000000000000	20-Jun-20	100%	100%	20.	on-20 A. MODLLE-19_MP254 - MP.	280	
170		MAIN BRIDGE PILE CAP_CRZ 15+890~17+414 FROM MP226 TO MP250		328 04-Mar-19	08-Jan-20	28-Aug-19	19-Sep-20	100%	100%		19-Sep 20/A.: MAIN BRIDGE PILE:	CAP_CRZ 15+890-17+414 FROM:MP	226 TO MP250
171		MODULE-14_MP231 - MP227		230 24-Oct-19	08-Jan-20	11-Jan-20	19-Sep-20	100%	100%		19-Sep-20/A. MODULE-14_MP231 -	250 CAP_ORZ 15+850-117+414 FROM INP MP257 MP252	****************
172		MODULE-15_MP236 - MP232		201 02-Sep-19	22-Nov-19	16-Nov-19	18-Sep-20	100%	100 %		18.\$ep2DA.:MODULE-15_MP296-	MP232	
173		MODULE-16_MP240 - MP237		146 02-Jul-19	26-Sep-19	28-Aug-19	05-1/Jar-20	100%	100%		IA. MODULE:16 MP240 - MP237		
	Actual	Level of Effort Critical Remaining Work FMPI	OVED:					CONTE	ACTOR			Revision Checked	Approved
	Actual	Work A Milestone							ACTOR		25-Mar-23 R0	17H 13 MAO	
		MUM	BAI METROP	olitan regioi	V DEVELOP	MFNT AL	JTHORITY	DAEW	OO-TP	LJV		AST DINEA	

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

(MMRDA)

DAEWOO-TPL JV

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE UNDER IDENTIFICATION NO MMRDA/ENG/000753

Actual Work

Remaining Work

Milestone

# Activity I	D	Activity Name	Original BL Project Duration	t Start BL Project Fire	ish Actual Start	Actual Finish		rformance 2018 Complete	2019 2020 2021	2022 2023 	2024 2025
74		MODULE-17_MP245 - MP241	98 29-Apr-19		17-Nov-19	24-Jan-20	100%	10).	7.77 34-Jan-20 Pt MODULE-17	MP245 i MP241	
		MODULE-18_MP249 - MP246	84 04 Ma-19 199 18-Apr-19	10-f.tay-19 05-Sep-20	13-Nov-19. 29-Jan-20	14-Feb-20 07-Dec-20	100%	100%	WW 14Feb-20A MODULE-18	MAIN BRIDGE PILE CAP INT	ERTIOAL 141800-151890 FROM:NI
-		MAIN BRIDGE PILE CAP_INTERTIDAL 14+800~15+880 FROM MP206 TO MP225	96 27-Apr-20	17 - 12 V - 17 V	25-Jan-20	07-Dct-20	100%	10	9740c1-20A: M	lojobialiti 10 j.Nilitz111 - Milizoti	
		MODULE-10_MP211 - MP207 ————————————————————————————————————	157 :18-Apr-19		31-Aug-20	24-Oct-20	100%	100	1919 34-Oct-20A, N	NODULE-11_WP216;-11P212	
			111 22:1/ay-19	05-Dec-19	17-Sep-20	07-Dec-20	100%	(1)).	77-Dec-20A	MODULE-12_NP221 MP217	
		MODULE-13_MP226 - MP222	94 14-Dec 19		16-Sap-20	15-Nov-20	100%	1(n)	19N5y20A	MODGLE-13: MP226 - MP222	REDISE PILE CAP MARINE (3+6)(
		MAIN BRIDGE PILE CAP_MARINE 13+610-14+800 FROM MP187 TO MP205	413 01-Feb-20 286 01-Feb-20		13-Jan-20 13-Jan-20	23-May-22 20-Nov-20	100%	100%	20-Noy20A	MODULE-09_MP206-MP202	
		MODULE-09_MP206 - MP202	63 03-Apr-20	Townson and	23-Nov-20	04-May-21	100%	10)	04-Mar-2	1.A. MODULE OR MP201 - MP19	7
		MODULE-08_MP201 - MP197 ————————————————————————————————————	57 15-Jan-20	The Aller Waller	01-Dec-20	23-1.1ay-22	100%	fr:		23-Mayi22 A. MODUL	E-07_MP196-1MP192
ш		MODULE-05_MP191 - MP187	90 21-Oct-20	06-Jan-21	14-Dec-20	30-Jan-21	100%	far.	90.lan/21	A, MODULE 06, MP191: MP187	AIN BRIDGE PILE CAP_MARINE (
		MAIN BRIDGE PILE CAP_MARINE (STEEL) 11+880-13+610 FROM MP171 TO MP186	485 20-Jan-20	Province of the last	18-Nov-20	13-Oct-22	100%	100%			ain bridge pile cap imarine (Teel module o impits impits)
		STEEL MODULE-01_MP176 - MP171	154 21-Nov-20		13-Dec-21 18-Nov-20	13-Oct-22 08-Mar-21	100%	2011		YA STEEL WORDUE OF MP18	
		STEEL MODULE-02_MP182 - MP177	158 20-Jar+20 330 27-Aug-20	a	28-Jan-21	28-May-22	100%	51907		46 14 44 1 5 1 5 1	sacobi e e cos santidos is abidos
		STEEL MODULE-03_MP186= MP183 MAIN BRIDGE PILE CAP_MARINE 10+380~11+680 FROM MP146 TO MP170	323 03-Jan-19		08-Feb-21	23-Mar-22	100%	100%	7	23-MH-22 A. MAIN BRIT	XGE PILE:CÁP, MARINE:101380-1;
		MODULE-05 MP171 - MP167	119 10-Sap-19	- Description	13-Apx-21	22-Jan-22	100%	=1 0 17		22-Jan-22 A. MODULE -05	MAIDOLE:US, MP 180-189-165 NP 171 MP 187
			283 03-Jan-19	29-1/Jar-19	01-Mar-21	23-1 Mar-22	100%	(10:1)		23-Mai-22 A. 11000U.E-0	N_NP186+MP162
1		MODULE-03_MP161 - MP157	141 14-Mar-19		08-Feb-21	28-Oct-21	100%	aun/		/ 28-Oct-21:A.:MODULE:03 <u>.</u> MP1 ay:21:A.:MODULE:02_MP158-:M	61 ::NP157
		MODULE-02_MP156 - MP152	54 27-May-19 192 14 Nov-19		06-Mar-21 22-Feb-21	27-1/lay-21 03-Nov-21	100%	31007 1007		MASCAL BIOLICAL PRICES IN P. 03-Nov-21 A. MODILI E-01: MP	151/2 MP146
		MODULE-01_MP151 - MP146	1261 09-Jan-19	24-Sep-21	04-Nov-19	(UF) NOV-2.1	100%	99.81%		¥ 21-Aps	151:: MP1146; 23. MAIN SPROGE; SUB-STRUCTU
		MAIN BRIDGE SUBSTRUCTURE MAIN BRIDGE PIER INSTALLATION	1242 09-Jan-19		04-Nov-19	28-Nov-22	100%	100%		28 No422 A.	MANGRICGE PLER INSTALLATIC RLIAND 17-444-18-188 FROM MB
		MAIN BRIDGE PIER_LAND 17+414-18+185 FROM MB251 TO MB256	681 09-Jan-19	08-Nov-19	06-Nov-19	27-Aug-21	100%	100%		Z-Augi-21A: MAIN BRIDGE PIE	R_LAND 17+414-18+188 FROM MB
		MODULE-21_MP281 - MP287	301 14-Jan-19	12-Jul-19	27-May-20	03-May-21	100%	100%	7: OSAMa	¥21A MODULE-21J#P261+MF	257
H		MODULE-12_MP286 - MP282	315 O4-May-19		06-Nov-19	02-Feb-21	100%	100%		UM 000 E22 MP2 E MP28	
		MODULE-20 NP286 - MP286	225. 09-Jan-19 336. 28-Feb-19	17-May-19 20-Sep-19	11-May-20 15-Jun-20	21-Jun-21 27-Aug-21	100%	100%		7-A:10:21 A. MODULE 19_MP254	-MP250
		MODULE-19_MP254 - MP250 MAIN BRIDGE PIER_CRZ 15+890-17+414 FROM MB225 TO MB250	360 26-Mar-19		04-Nov-19	11-Aug-21	100%	10%		-Aug-21 A; MALN BRIDGE PIEF	_CRZ :15+890+17+414 FFOM MB22
		MODULE-14, MP231 - MP227	228 05-Dec-19		02-Feb-20	22-Jan-21	100%	100%	22-Jan-21 A	C MODULE-14_NP23 + MP227;	<u>(</u> CRZ 15+690+17+63433113M MB22
		MODULE-15_MP236 - MP232	134 16-Oct-19	19-Dec-19	06-Jan-20	06-Nov-20	100%	100%	V DEPROVACIÁ. N	(OCULE-15_NP236 - MP232	
		MODULE-16_MP240 - MP237	85 13-Aug-19		04-Nov-19	27-Jun-20	100%	100%	27-ikus-20 A. MCDU.	E-16_MP2(6;)4P25	
		MODULE-17_MP246 - MP241	171 22-May-19		24-Dec-19	23-Jun-20	100%	100%	7255529/4301U	Augusta Nobilla Mesa.	Model
		MODULE-18_MP249 - MP246	238 26-Mer-19 417 11-May-19		02-Mer-20 10-Feb-20	11-Aug-21 08-Jun-21	100%	100%		1121 A MAIN ROTICE DIER IN	TENTINAL 14-870-15-809 FROM
		MAIN BRDIGE PIER_INTERTIDAL 14+800-15+850 FROM MB206 TO MB225 MODULE-10_MP211 - MP207	338 24-Feb-20		10-Feb-20	03-Feb-21	100%	100%	V. βPeb2t/	A. MODULE:10 MP2 11 - MP207	2
		MODULE-11_MP216 - MP212	386 11-May-19	17-Jul-20	13-Nov-20	22-Mer-21	100%	100%	7 22-Mar-2	IA:MODLAE-11_MF216-MP2	2
П		MODULE-12_MP221 - MP217	97 17-Jun-19	03-Jan-20	30-Nov-20	08-Jun-21	100%	100%	I THE TAXABLE PROPERTY OF THE PARTY OF THE P	4 84 6 47, 847574764 64 ML44 11.2 ML	T44
		MODULE-13_MP228 - MP222	235 06-Jan-20	15-May-20	29-Oct-20	20-Feb-21	100%	100%		A, MICIDULE 15_MP226 - MP222	MAN BRIDGE PIER MARINE 1976
		MAIN BRIDGE PIER_MARINE 13+610-14+800 FROM ME187 TO ME205	316 19-Mar-20		04-Jan-21 19-Oct-21	17-Nov-22 24-Jan-22	100%	100%			
		MODULE-06_MP191 - MP187	173 13-Nov-20 176 17-Jul-20	19-Dec-20	28-Apr-21	17-Nov-22	100%	100%		10 Vot 22 N N	IODULE-07_MP196 MP192
		MODULE-07_MP196 - MP192 MODULE-06_MP201 - MP197	162 25-Apr-20		04-Jan-21	16-Oct-21	100%	100%		16,0cl-21 A; MODLILE-08_MP20	
		MODULE-09_M P206 - MP202	66 19-Mar-20	23-May-20	18-Jan-21	18-Mar-21	100%	100%	₩.₩ 18-Vist-2	A: MODILLE 08_MP205 - MP20	2
		MAIN BRIDGE PIER_MARINE (STEEL) 11+650-13+610 FROM MB171 TO MB186	536 17-Feb-20		08-Feb-21	28-Nov-22	100%	100%		28 No. 22 A.	2 Min Bridse Pier Lampine (Ste
		STEEL MODULE-01_MP176 - MP171	230 23-Dec-20		21-Jan-22	28-Nov-22 18-Jan-22	100%	100%		V 18 Jan 22 A STREE MODU	STEEL MODULEOL MP 176 - MP 179 East Marks : Marth
		STEEL MODULE-02_MP182 - MP177	170 17-Feb-20 290 06-Oct-20	000 / 100	08-Feb-21 12-Oct-21	10-Nov-22	100%	100%		10404-22A S	TEEL MODULE 63 MP165 - MP163
		STEEL MODULE-03_MP186 - MP183 MAIN BRIDGE PIER_MARINE 10+380-11+890 FROM MB145 TO MB170	167 07-Feb-19		20-Sep-21	17-May-22	100%	100%		TAMBY22A. MAIN SR	IDGE:PIER_MARINE:10+380+11+8
		MODULE-01_MP151 - MP146	129 10-Dec-19		20-Sep-21	07-Jan-22	100%	100%		♥:07-leni22A.MODELEiOI_M	P1511-MP146
		MODULE-02_MP156 - MP152	77 11-Jul-19	04-Nov-19	25-Oct-21	29-Jan-22	100%	100%		7 29-180-22 A MCDULE 02 N	P156 - AP152
		MODULE-03_M P161 - MP157	61 22-Apr-19	01-Aug-19	31-Dec-21	12-Mar-22	100%	100%		7 7 12 Mar 22 A. MODULE (3 7 25 Apr - 22 A. MODULE ()	
		MODULE-04_M P166 - MP162	84 07-Feb-19	06-May-19 31-Dec-19	24-Jan-22 18-Feb-22	28-Apr-22 17-May-22	100%	100%		17/16/17/20 16/17 19/2	75 MD174 LMD467
		MODULE-05_M P171 - MP167 MAIN BRIDGE PIER CAP INSTALLATION	89 10-Oct-19 906 08-Feb-19	The same of the sa	25-Feb-20	11 may-22	100%	99.8%		V tijApriZ	AMAIN BRIDGE PIER CAP INSTA
		MAIN BRIDGE PIER CAP LAND 17-414-18-188 FROM MB281 TO MB286	313 08-Feb-19		13-Nov-20	17-Jan-22	100%	100%		₩ 17-Jan-22 A: MAIN BRIDGE	PIERCAP, LAND 17+414-18+188
		MODULE-21_MP261 - MP257	159 13-Feb-19	05-Aug-19	11-Feb-21	14-Oct-21	100%	100%		HHOGHZI A. MODULE ZI MP26	PIER CAP LAND 17+414-18+188F 1+MP257
							CONTE	ACTOR:		ate Revision	Checked Ap
	Actual Lo	evel of Effort Critical Remaining Work Milestone	EMPLOYER:	CION DEVELO	DIMENT A	LITUODITV		ACTOR: OO-TPL JV	D 25-Mar-		\perp

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

(MMRDA)

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE UNDER IDENTIFICATION NO MMRDA/ENG/000753

Remaining Work

ANNEXURE-5 CONSTRUCTION UPDATED PROGRAMME_ABSTRACT (PACKAGE 2)

DAEWOO-TPL JV

5 of 9

# Ad	ivity ID			Activity Name		Original Duration	BL Project Sta	t BL Project Fini:	sh Actual Start	Actual Finish	Schedule %	Performance	
232			MODULE-22_MP266 - MP262				03-Jun-19	23-Nov-19	13-Nov-20	13-Mar-21	Complete	% Complete	
233			MODULE-20 MP256 - MP255				08-Feb-19	01-Jun-19	07-Jan-21	22-Nov-21	100%	100%	111.4(13.111-13.114.1.100.1.1.5.2.1.1.132.1.1.132.1.14.1.14
234		Н	MODULE-19_MP254 - MP250		_		30-Mar-19	09-Oct-19	01-Mar-21	17-Jan-22	100%	100%	
235		ı	The state of the s	15+890~17+414 FROM MB226 TO MB250			19-Apr-19	25-Feb-20	25-Feb-20	24-Sep-21	100%	100%	
236			MODULE-14_MP231 - MP2Z7	da di Mandana da Manda	***	83	30-Dec-19	25-Feb-20	27-Dec-20	28-May-21	100%	100%	23-SEP21/A, MANUS RDICE PIER CAP; CRI2 (5480-71 - 14 FROM MEZZO TO M
237			MODULE-15_MP236 - MP232			64	11-Nov-19	07-Jan-20	12-Oct-20	22-Feb-21	100%	100%	124-Feb-25 PA MODULE (15) MP 265 ARP262
238		Н	MODULE-16_MP240 - MP237	ATTORNEY TO A PERSON OF THE BENEFIT OF THE BENEFIT OF THE STATE OF THE	7	132	21-Sep-19	19-Nov-19	14-May-20	23-Dec-20	100%	100%	/23-Dep/20/A, INFODULE-16; JAP24A, -MP257
239		Н	MODULE-17_MP245 - MP241			163	05-Jul-19	16-Oct-19	25-Feb-20	22-Dec-20	100%	100%	22-Dep20/A M000 UE-(1/M206 E-(pP2))
240			MODULE-18_MP249 - MP246			201	19-Apr-19	02-Jul-19	22-Oct-20	24-Sep-21	100%	100%	######################################
241		Ш	MAIN BRIDGE PIER CAP_INTER	TTIDAL 14+800~15+890 FROM MB206 TO MB225		277	06-Jun-19	05-Nov-20	04-Feb-21	14-Jan-22	100%	100%	HAJER-22A; MAIN BRIDGE PIER; CAP_INTERTIDAL 114/800-15/880/FROM N
242		п	MODULE-10_MP211 - MP207			174	20-Mer-20	05-Nov-20	02-Aug-21	14-Jan-22	100%	100%	**************************************
243			MODULE-11_MP216 - MP212			209	08-Jun-19	18-Aug-20	21-Jun-21	26-Nov-21	100%	100%	7 26 Nov21A; MOD_LE;11_MP218-1MP292
244			MODULE-12_MP221 - MP217			100	24-Jul-19	22-Jan-20	01-Mar-21	24-Sep-21	100%	100%	24-Sep/21A; MOOULE/2_MP/221-MP2/17
245		В	MODULE-13_MP226 - MP222				30-Jan-20	04-Jun-20	04-Feb-21	07-Jul-21	100%	100%	V TINAURZI A: MODLILE-13 MP226 + MP222 V TINAURZI MAIN BRIDGE PIER CAP_MARRINE (1946)0-14
246 247		Н	And the second control of the second control	NE 13+610-14+800 FROM MB187 TO MB205			23-Apr-20	10-Mar-21	03-May-21		100%	98,51%	V. (1)Agr/22 MAIN BRIDGE PIER CAP MARINE (19-610+14
248			MODULE-06_MP191 - MP187			and the same of the same	18-Dec-20	10-Mar-21	20-Jan-22	10-Jan-23	100%	100%	Ochenica A. MODULE (de July 161; - MP167
249			MODULE-07_MP196 - MP192		بإن ا	and the resource of the	10-Sep-20	07-Jan-21	18-Nov-21	0014	100%	95,37%	/////
250			MODULE-08_MP201 - MP197				01-Jun-20	29-Sep-20	03-May-21	08-Mer-22	100%	100%	7
251			MODULE-09_MP206 - MP202		***		23-Apr-20	15-Jun-20	09-Dec-21	09-Feb-22	100%	100%	YTY (B)Feb-22 A; M/OULE-08 MP209 (MP202 29-Feb-23/A; MAIN BRIOGE: PIER CAP_MARINE (STEEL); 1
252			Professional Control of the Control	NE (STEEL) 11+880-13+610 FROM MB171 TO MB186	11		30-Apr-20	27-Aug-21	23-Aug-21	28-Feb-23	100%	100%	28-Feb/28/A, MAIN BRIDGE: PIER CAP, MARINE (STEEL); 1
253			STEEL MODULE-01_MP176 - I				08-Mer-21	27-Aug-21	17-Mar-22	28-Feb-23	100%	100%	2-0-10-0-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
254			STEEL MODULE-02 MP182 - I	AND AND THE STREET AND			30-Apr-20	04-Feb-21	23-Aug-21	04-Apr-22	100%	100%	
255		A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	STEEL MODULE-03_MP186 - I			www.www.ww.	19-Dec-20	22-Apr-21	24-Feb-22	03-Dec-22	100%	100%	▼ 09 Dec-22 A. STEEL MODULEIOS MP166 - MP168
256			MODULE-01_MP151 - MP146	NE 10+350~11+880 FROM MB146 TO MB170			15-Mar-19 14-Jan-20	01-Apr-20	17-Dec-21	00.44	100%	99,17%	VIIII VIII VIII VIII VIII VIII VIII VI
257			MODULE-02_MP156 - MP152			and the second second	05-Sep-19	01-Apr-20 23-Nov-19	17-Dec-21 17-Feb-22	26-May-22	100%	100%	A 23 M2722 A MODULEO (MARKS)
258			MODULE-03_MP161 - MP157			an and the same of the same of	28-May-19	31-Aug-19	22-Mer-22	12-Nov-22 21-Dec-22	100%	100%	######################################
259			MODULE-04_MP166 - MP162				15-Mar-19	24-May-19	21-Apr-22	09-Feb-23	100%	100%	4: 35522A MODULE 01 MP167 (MP162)
260			MODULE-05 MP171 - MP187		-		15-Nov-19	18-Jan-20	10-Jan-23	004 60-23	100%	95%	(QRet-28: MODULEM AP182: MP182:
261			MAIN BRIDGE BEARING PAD AND I	REARING INSALLATION			22-Feb-19	24-Sep-21	14-Sep-20		100%	90%	Y : Y : PAPAPAZE MODILLEGE MPS (Y) - MPS(Y) V : 21-Apa-22 (MODILLEGE MPS (Y) - MPS(Y) V : 21-Apa-22 (MODILLEGE MEARING PADIAND BEARING
262				17-414-18+188 FROM MB261 TO MB266			2-Feb-19	22-Aug-19	11-Feb-21	04-Jun-2.	100%	100%	V : 27-AG-23, IMAIN SIRLIGE BEARING PAD AND BEARING V : 04-Jun-22 L. IMAIN SIRLIGE BEARING LAND 17-414-18-186 FROM ME
263			MODULE-19_MP254 - MP250	TO THE TOTAL PROPERTY OF THE PARTY OF THE PA			13-Apr-19	21-May-19	23-Jul-21	04-Jun-22	100%	100%	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
264			MODULE-20_MP256 - MP255				22-Feb-19	02-Apr-19	24-Feb-21	04-Dec-21	100%	100%	7 0H1022(1,M11012-18,M2211,M250
265			MODULE-21_MP261 - MP257			man serverenenenen mer a	29-May-19	08-Jul-19	20-Apr-21	15-Sep-21	100%	100%	CS-922 A MOLLU-21 MP201 MP25
266			MODULE-22_MP266 - MP262			49. AND 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22-Jun-19	22-Aug-19	11-Feb-21	03-Apr-21	100%	100%	
267			MAIN BRIDGE BEARING CRZ 15	+890-17+414 FROM MB226 TO MB250		392 (08-May-19	20-Feb-20	14-Sep-20	09-Sep-21	100%	100%	ASSSEIA MAN BEDSEI BEARNSI STERLER HAN BEDSEI BEARNSI STERLER HAN BEDSEI BEARN SI STERLER HAN BEDSEI BEARN BEDSEI BENDE BEND
268			MODULE-14_MP231 - MP227			28 1	6-Jan-20	20-Feb-20	29-Jan-21	24-Feb-21	100%	100%	W 24-b2/4, M01045-W, MP 241-MP277
269			MODULE-15_MP236 - MP232			28 2	28-Nov-19	02-Jan-20	29-Jan-21	24-Feb-21	100%	100%	W: 4Feb21A, WODUS-ISJAP;38; MP322
270			MODULE-16_MP240 - MP237		· · · · · · · · · · · · · · · · · · ·	28.1	2-Oct-19	16-Nov-19	12-Apr-21	20-May-21	100%	100%	大 (20 May 20 A, MODULE rig JP 240 - MP257
271			MODULE-17_MP245 - MP241		********	28 0	3-Aug-19	13-Sep-19	14-Sep-20	03-Dec-20	100%	100%	DECESSOR MODULES (7) MP260 MP260
272			MODULE-18_MP249 - MP246			324 0	08-May-19	12-Jun-19	18-Jan-21	09-Sep-21	100%	100%	COSCOPIA MODILIS 16 MP246 MP246
273			MAIN BRIDGE BEARING_INTERT	TDAL 14+800-15+890 FROM MB206 TO MB225		28 2	19-Jun-19	14-Sep-20	01-Oct-21	08-Feb-22	100%	100%	:VIIIV: 108HFeb-22A; MANN BRIDGE BEARING:UNTERTICAL; 14+800-;15+890 FROM:
274			MODULE-10_MP211 - MP207			28 0	4-Aug-20	14-Sep-20	10-Jan-22	08-Feb-22	100%	100%	TWF. DBP;ed=22.A; My>DULE=1Q_MP;211; M=207;
275			MODULE-11_MP216 - MP212			28 2	9-Jun-19	07-Aug-19	09-Dec-21	04-Jan-22	100%	100%	
276			MODULE-12_MP221 - MP217			28 1	5-Jan-20	19-Feb-20	09-Nov-21	27-Dec-21	100%	100%	₩ 04Jan22A. MORJUE-11, MP216-MP22 ₩ 27, Dab21A. MORJUE-12, MP217
277			MODULE-13_MP226 - MP222			28 2	7-May-20	02-Jul-20	01-Od-21	18-Oct-21	100%	100%	₩ :6405-121 A: N/ODLIJE-13: N/P226 ; N/P222
278			MAIN BRIDGE BEARING_MARINE	E 13+610~14+800 FROM MB187 TO MB205		319 0	7-Apr-20	09-Feb-21	22-Feb-22	02-Mar-23	100%	106%	DEAGG123A, MANNBRIDGE BEARING MARINE: (2)-8(0)-14
279			MODULE-06_MP191 - MP187			151 0	5-Jan-21	09-Feb-21	18-Nov-22	24-Feb-23	100%	100%	₩₩₩ 34Fsb23A, MCCUUE:03, MP191-MP187
280			MODULE-07_MP196 - MP192			280 0	6-Oct-20	04Feb-21	26-May-22	02-Mar-23	100%	100%	
281			MODULE-08_MP201 - MP197	CAN AND AN ARCHARD CARACTER FOR A STATE OF THE STATE OF T		28 2	4-Jun-20	01-Aug-20	01-Apr-22	30-Apr-22	100%	100%	
282			MODULE-09_MP206 - MP202			28 0	7-Apr-20	12-May-20	22-Feb-22	18-Mar-22	100%	100%	標:19.Nor-22点 划00111 E-69 No 201 - MP202
283			The second desirable control as a finished as a finished as	(STEEL) 11+880-13+610 FROM MB171 TO MB185			9-May-20	24-Sap-21	22-Dec-21		100%	50 4%	1 21 Adv. 21, MAN ARROCKE BEARING MARRINE (STEEL);
284			STEEL MODULE-01_MP176 - M	27.97			5-Mar-21	24-Sep-21	27-Oct-22		100%	83,33%	# 21-App-23; STEEL MODDLEEGT: MP-1761-APP-171
285			STEEL MODULE-02_MP182 - M				9-May-20	04-Mar-21		17-Nov-22	100%	100%	17. Not-22A STEEL MODULE-02. NP-182 MP-172
286			STEEL MODULE-03_MP186 - M				6-Jan-21	20-May-21		28-Feb-23	100%	100%	
287			The second secon	10+380-11+880 FROM MB146 TO MB170			5-Apr-19	18-Apr-20	Nation -	22-1/lar-23	100%	100%	. 122-Mar-23 PC, MANIN BRIDDIGE BEARING, MARINE 10+890+11
288			MODULE-01_MP151 - MP146	- August - A			1-Jan-20	18-Apr-20		01-Dec-22	100%	100%	WAS DeciziA Nobilizin Neigh Mens
289			MODULE-02_MP156 - MP152			28 03	3-Oct-19	07-Nov-19	02-Jan-23	05-Jan-23	100%	100%	(♥: Kisi, Lennizska, Link Cicio (Link Heristet)
	Actual	Lev	vel of Effort Critic	cal Remaining Work	EMDLOVED.						CONTE	RACTOR	Data Pavision Charlest Annual
	Actual				EMPLOYER:	EK:							25-Mar-23 R0

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

(MMRDA)

ANNEXURE-5 CONSTRUCTION UPDATED PROGRAMME_ABSTRACT (PACKAGE 2)

DAEWOO-TPL JV

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE UNDER IDENTIFICATION NO MMRDA/ENG/000753

Actual Work

Remaining Work

◆ Milestone

tivity ID	Activity Name	Duration	Bl. Project Start		Actuel Start	Actual Finish	Schedule % Complete	% Complete	
MODULE-03_MP161 - MP157			03-Jul-19 25-Apr-19	10-Aug-19 31-May-19	13-Feb-23 14-Mer-23	16-Feb-23 22-Mer-23	100%	100%	7 (6E-632A) NOOLLEGO NE (6E 7) (6E-632A) NOOLLEGO NE (6E 7) (6E 7
MODULE-04_MP166 - MP162	or makes	20	Suhi-18	. 31-may-19	PA 18 MG A AG	ES HAS DO	0%	0%	
MODULE-06_MP171 - MP167		1050	12-Sep-19	01-Mar-22	20-Jul-20		100%	91.59%	CONTRACTOR AND ESTABLISHED AND
MAIN BRIDGE SUPER STRUCTURE E			12-Sep-19	02-Feb-22	20-Jul-20		100%	93%	
MAIN BRIDGE CONCRETE GIRDE			12-Sep-19	27-Feb-20	20-Jul-20	02-Jul-22	100%	100%	Assembly of Strocker Perts to Laboring Gentry, 2
Statement of the Statem	D 15+890-17+414 FROM MP251 TO MP266		12-Sep-19	17-Oct-19	20-Jul-20	25-Dec-20	100%	100%	Assembly, of Structural Parts in Laborating Garday, 2
CNLGA 1010	Assembly of Structural Parts in Launching Gentry_2		12-Sep-19	17-Oct-19	12-Nov-20	17-Feb-21	100%	100%	Assembly of Stauriure Paris in Lauriure Canby 1
CNLGA 1000	Assembly of Structural Parts in Leunching Gentry_1		17-Oct-19	01-Nov-19	28-Sep-20	30-Dec-20	100%	100%	Assembly of Mechanical Parts: Inflaunching Gentry, 2:
CNLGA 1015	Assembly of Mechanical Parts in Launching Gantry_2		17-Oct-19	01-Nov-19	05-Feb-21	06-Mar-21	100%	100%	Assembly of Michaeleti?ers returning Gentry_1:
CNLGA 1005	Assembly of Mechanical Parts in Launching Gentry_1	191	01-Nov-19	25-Dec-19	02-Jul-21	29-Mer-22	100%	100%	**************************************
MODULE-22_MP268 - MP262		192	02-Dec-19	23-Jan-20	18-Sep-21	25-May-22	100%	100%	######################################
MODULE-21_MP261 - MP267		162	31-Dec-19	04-Feb-20	06-Nov-21	15-Jun-22	100%	100%	15, Lin, 22 A; MODULE 20, MP288 - MP285
MODULE-20_MP286 - MP286		161	11-Jan-20	27-Feb-20	28-Nov-21	02-Jul-22	100%	100%	/ DELLEZA MODULE-10 MPSS (MPSS)
MODULE-19_MP254 - MP250	R_CRZ 15+890~17+414 FROM MP226 TO MP250	214	04-Feb-20	25-Sep-20	30-Dec-20	25-Aug-22	100%	100%	▼ #Aug-22A; MAINBRIGGE PREGAST GRIDER, CR
MODULE-18 MP240 - MP246	ACTUAL INVESTIGATION IN SECTION IN	104	04-Feb-20	28-Mer-20	20-Dec-21	25-Aug-22	100%	100%	
		74	05-Mar-20	27-Apr-20	30-Dec-20	16-May-21	100%	100%	16 Non-219, MODUSE-17, MP245 - MP341
MODULE-17_MP246 - MP241 MODULE-16_MP240 - MP287		37	03-Apr-20	21-May-20	13-Apr-21	03-Aug-21	100%	100%	7 (State 2-1/), MODILE-16, MPM (MF/33)
MODULE-16_MP236 - MP237		31	27-Apr-20	19-Jun-20	08-Jul-21	22-Sep-21	100%	100%	/(25Sp)2(), (WALLE SIG() P288 - WP325
MODULE-14_MP231 - MP223		42	27-May-20	25-Sep-20	27-Aug-21	10-Nov-21	100%	100%	A (QAbox-21/A MODIALE - 14.1/4/2011 ME7/27.
	LINTERTIDAL 14+800-15+880 FROM MP205 TO MP225	94	12-Sep-20	23-Jan-21	25-0rd-21	11-Apr-22	100%	100%	WHAT TO AND THE PROPERTY OF TH
MODULE-13_M P236 - MP222		36	12-Sep-20	21-Oct-20	25-Oct-21	10-Dec-21	100%	100%	
MODULE-12 MP221 - MP217		8	08-Oct-20	20-Nov-20	20-Nov-21	14-Jan-22	100%	100%	₩₩ 14,1ers22A; MODULE:12, MP221; NF221;
MODULE-11_MP216 - MP212		85	09-Nov-20	19-Dec-20	27-Dec-21	27-Feb-22	100%	100%	*** / 21=55/24.16 0000E(ii) 4F/218-34P/21]
MODULE-10 MP211 - MP207		84	08-Dec-20	23-Jan-21	31-Jan-22	11-Apr-22	100%	100%	THARTIZZA MODULERO MPZ11: MP207 ZADRZI, WANNERROSE PRECAST GRO
	R, MARINE 13+610-14+600 FROM MP187 TO MP205	177	12-Jan-21	10-Jun-21	19-Mar-22		100%	22.65%	Danjeting of Landring Certify,2
CN.LGD.1010	Dismartling of Launching Gentry_2	2	12-May-21	03-Jun-21	04-Oct-22	07-Oct-22	100%	100%	Destructing of Learning Gently, 4.
CNLGD,1000	Dismertling of Launching Gentry_1	2	18-May-21	10-Jun-21	14-Sep-22	20-Sep-22	100%	100%	### 129/69-22/4, WODULE-06: MP206: SAF312
MODULE-09_M P208 - MP202	AND TO SHARE THE STATE OF THE S	47	12-Jan-21	17-Feb-21	19-Mar-22	12-May-22	100%	100%	77 (271-727) TRADEC 10: MP 201 - AR 197.
MODULE-08_MP201 - MP197	The state of the s	2	05-Feb-21	19-Mer-21	17-Apr-22	27-Jun-22	100%	100%	1745-2.19014:50/19748:51/2/82
MODULE-07_M P196 - MP193		133	08-Mar-21	17-Apr-21	03-Jun-22	and the same of th	100%	92.12%	ZAP-23, MODULEGE, MP-181-MP-181
MODULE-08_MP191 - MP187		and the same of th	12-Apr-21	18-May-21	30-Nov-22		100%	80%	Z - May 2 MAN BRIDGE PRECAST GIF
MAIN BRIDGE PRECAST GIRE	ER_MARINE 10+380-11+880 FROM MP146 TO MP170		04-Jun-21	02-Feb-22	21-Sep-22		100%	76.2%	 100 100
CNLGA 1030	Assembling of Launching Gentry_2		04-Jun-21	26-Jun-21	07-Oct-22	16-Oct-22	100%	100%	II: 'Assembling: of Launching Gentry_2: III: 'Assembling: of Launching Gentry_1:
CNLGA.1020	Assembling of Launching Gentry_1	TO THE RESIDENCE AND ADDRESS OF THE PARTY OF	10-Jun-21	03-Sep-21	21-Sep-22	10-Oct-22	100%	0%	W : 27-May/23, MODILIE-05, MP(17) + MP(40).
MODULE-05_MP171 - MP16			28-Dec-21	02-Feb-22	04 Feb 20		100%	8194	THE SAME 23: MODULE OF MP168 - WP162
MODULE-04_MP166 - MP16		and the same of th	29-Nov-21	03-Jan-22	21-Feb-23 12-Jan-23	22-Feb-23	100%	100%	WY 22-Feb-28/A, MICOLALE-08_MP168 I- MEP157.
MODULE-03_MP161 - MP15			30-Oct-21	04-Dec-21 05-Nov-21	04-Dec-22	16-Jan-23	100%	100%	TW. GUSTANA MODILE GUARTES LAPISE
MODULE-02_MP156 - MP15	The second secon	THE RESERVE AND ADDRESS OF THE PARTY OF THE	29-Sep-21	06-Oct-21	17-Oct-22	05-Dec-22	100%	100%	WW/ IB/OscazzA: MODULE:OUWP151: NP746:
MODULE-01_MP151 - MP14	Name of the Control o		7 28-Jun-21 5 07-Dec-19	12-Feb-22	12-Jan-21	W 200 Z	0%	0%	DALIDŽE STUCH SOINT CASTING
STITCH JOINT CASTING			3 07-Dec-19	16-Mar-20	08-Jul-21	28-Jun-22	0%	09.	28-YLD-229A, MANN BRIDGE STITCH JOINT CASTING L
	ASTING_LAND 15+890~17+414 FROM MP251 TO MP256		10-Feb-20	16-Mar-20	29-Nov-21	28-Jun-22	0%	0%	28-Jun-22/A,:MODIJJE-19_MP254+ NP250
MODULE-19_MP254 - MP25	···		17-Jan-20	20-Feb-20	10-Nov-21	13-Jun-22	0%	0%	7 19-Jun-22 A: MODULE:20 JVP:298 - WP:295
MODULE-20_MP296 - MP29	The second secon		06-Jan-20	08-Feb-20	23-Sep-21	19-May-22	0%	0%	**************************************
MODULE-21_MIP261 - MP26			5 07-Dec-19	10-Jan-20	08-Jul-21	25-Mar-22	0%	0%	A ZANTOZAN (AGALUZAZINEZASI SAPAZI A ZANTOZAN MARKICE STITOZIONI PASIIK
MODULE-22_MP266 - MP26		The same of the sa	11-Mar-20	13-Oct-20	12-Jan-21	23-Aug-22	9%	07.6	ZAG ZZÁ VANBROGE STICH JOHN CASINA
	ASTING_CRZ 15+890-17+414 FROM MP226 TO MP250		19-Sep-20	13-Oct-20	02-Sep-21	08-Nov-21	0%	0%	(WHY) DRNO421 A: MOOLLE-14_MP221; MP220
MODULE-14_MP231 - MP22	The second secon		02-Jun-20	09-Jul-20	10-Jul-21	20-Sep-21	0%	0%	7977 (20-Sep 21/A_MODURE-15_MP 236) 14P 232
MODULE-15_MP236 - MP23	A ANAMANA MATERIAL PROPERTY OF STREET STREET, STREET STREET, S		9 04-May-20	06-Jun-20	23-Apr-21	31-Jul-21	0%	0%	/\$¦usz(A, Mooll≣ni_Mexic-Mexis
MODULE-16_MIP240 - MP23 MODULE-17_MIP245 - MP24	- day produce a contract of the contract of th	4	09-Apr-20	14-May-20	12-Jan-21	12-May-21	0%	0%	A
MODULE-18_MP249 - MP24	THE STREET STREET, STR	143	2 11-Mar-20	14-Apr-20	29-Dec-21	23-Aug-22	0%	0%	
	CASTING_INTERTIDAL 14+800-15+860 FROM MP206 TO MP225	15	5 14-0d-20	10-Feb-21	27-0d-21	07-Apr-22	0%	0%	(PAGEZZA, WANERECCESTRICHLICHATICASTING JOTE
MODULE-10_MP211 - MP20		4	3 18-Jan-21	10-Feb-21	03-Feb-22	07-Apr-22	0%	0%	WAGE22A, VOOULE-10, MF2(1): MP207
MODULE-11_M/P216 - MP21		112	2 14-Dec-20	05-Jan-21	30-Dec-21	25-Feb-22	0%	0%	**************************************
MODULE-12_MP21 - MP21	The state of the s	g	7 14-Nov-20	07-Dec-20	24-Nov-21	12-Jan-22	0%	0%	. T. Z.Janszi A. MÖJJLE-12 MSZX; J.MSZV
MODULE-13 MP226 - MP22	The state of the s	2	3 14-Oct-20	06-Nov-20	27-Od-21	08-Dec-21	0%	0%	BADGG-21 A: MODULE-13 MP228 (MF222) *********************************
	CASTING_MARINE 13+610-14+800 FROM MP187 TO MP205	177	8 11-Feb-21	21-Jun-21	21-Mar-22		0%	07.6	A DEMONSTRUCTION OF THE PROPERTY OF THE PROPER
									Date Revision Checked Ap

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

(MMRDA)

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE UNDER IDENTIFICATION NO MMRDA/ENG/000753

(MMRDA)

ANNEXURE-5 CONSTRUCTION UPDATED PROGRAMME_ABSTRACT (PACKAGE 2)

# Activity ID	Activity Name	Original BL Project Start	BL Project Finish	Actual Start	Actual Finish		erformance 6 Complete	200 200 200
348	MODULE-06_MP191 - MP187		21-Jun-21	05-Dec-22		0%	0%	V
349	MODULE-07_MP196 - MP192	123 17-Apr-21	05-May-21	07-Jun-22	02-Mar-23	0%	0%	V (QAMATZZA MOLULEG), VP188-1AP192
350	MODULE-08_MP201 - MP197	59 13-Mar-21	05-Apr-21	20-Apr-22	25-Jun-22	0%	0%	**************************************
351	MODULE-09_MP206 - MP202	34 11-Feb-21	06-Mar-21	21-Mar-22	09-May-22	0%	0%	₩₩ DHNaj-22A, MODULE-08 (NP203) NP202
352	MAIN BRIDGE STITCH JOINT CASTING_MARINE 10+380-11+880 FROM MP146 TO MP170			25-Oct-22		0%	0%	WHITE SPANIES WAAN BRIDGE STATCH JOINT CASTING
353	MODULE-01_MP161 - MP146				03-Dec-22	0%	0%	TWY: 08 Deck22A; MODULE:(1); MP:161; MP:166
354 355	MODULE-02_MP156 - MP152			08-Dec-22	13-Jan-23	0%	0%	**************************************
356	MODULE-03_MP161 - MP167 MODULE-04_MP166 - MP162				20-Feb-23	0%	0%	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
357	MODULE-06_MP171 - MP167		19-Jan-22 2 12-Feb-22	23-Feb-23		0%	0%	
358	MAIN BRIDGE STEEL GIRDER INSTALLATION			01-Jan-22		100%	83.33%	TV SV-kinižž MODLIE-06 MP111 - MP167
359	MAN BRIDGE STEEL GIRDER INSTALLATION, MARINE 11+850-13+510 FROM M P171 TO M			01-Jun-22		100%	86.33%	OHLI-22, MAN BRIDGE STEEL GROEN INSTALL
360	STEEL MODULE-01_MP176 - MP171 (INSTALLATION)	Services and the service of the serv		28-Dec-22		100%	50%	
361	STEEL MODULE-02_MP182 - MP177 (INSTALLATION)	157 03-Oct-20 3	30-Sep-21 0	01-Jan-22	15-Dec-22	100%	100%	######################################
362	STEEL MODULE-03_MP186 - MP183 (INSTALLATION)	96 30-Sep-21 0	07-Dec-21 2	22-Nov-22	14-Mar-23	100%	100%	
363	MISCELLANEOUS & FINISHING WORKS	600 16-May-19 2	24-May-22 3	30-Mar-21		100%	35.26%	ZI-Ded:23, MISCELLANEOUS & FINISHING
364	CRASH BARRIER & GURARD RAILS	292 20-Feb-20 0	07-Mar-22 2	20-Jul-22		100%	61.38%	Z-Julyza, Crash Barrier & Glirard Rais
365	WATER PROOFING			6 Jan 23		100%	17.58%	27-DEC/21 WATER PROPRIES (27-DEC/21 WATER PROPRIES & CHRAND-RAILS (27-DEC/21 WATER PROPRIES (27-DEC/21 WATER PROPRIES (27-DEC/21 WATER PROPRIES
366	PAVEMENT			M-Feb-23		100%	5.45%	i 27-Dep/23, PANEMENT
367	EXPANSION JOINT		21-Apr- 22			100%	0%	24-ND422; EXPANSION JOINT
369	SUB STATION NOISE BARRIER			0-Mar-21		100%	85%	V 194Apr223 SLUB STATION
370	NOISE BARROEK FENDER INSTALLATION			6-Mar-23 7-Jan-23		100%	1.31%	V = 1,24-Jorati i AOISE BARRIER
371	DRAINAGE WORKS			1-Jan-23 1-Feb-23		100%	72.5%	
372	SIGN BOARDS		23-Apr-22	Pr es-Zo		100%	CELL	
	INTERCHANGE			9-Oct-19		100%	95.31%	
374	INTERCHANGE FOUNDATION				26-May-21	100%	100%	
375	INTERCHANGE RAMP PILE FOUNDATION	475 24-Dec-18 0	05-4Mar-20 05	9-Oct-19	13-May-21	100%	100%	ATTENDED TO A TOUR PROPERTY OF THE PROPERTY OF
376	INTERCHANGE RAMP PILE FON_MA	182 05-Aug-19 03	3-Jan-20 08	9-Od-19	13-May-21	100%	100%	15 MARI-21 A. INTERCHANGE RAMP PILE FON MA
377	MODULE_23_MAA2-MAP4	75 05-Aug-19 00	12-Nov-19 13	3-Jan-20 2	28-Jun-20	100%	100%	25-U0-2014, MCDLUE_23, MAZHMAPA 25-Wa-2014, MCDLUE_24, MAPA-WE-244 16-Map-2014, MCDLUE_25, MAPA-WE-244 16-Map-2014, MCDLUE_35, MAPA-WE-244 25-Fe-2014, MCDLUE_36,
378	MODULE_24_MAP4-MP246	137 02-Nov-19 00	03-Jan-20 05	9-Oct-19	3-May-21	100%	100%	TSHING-21A, MODUNE 24 MARANE246
379	INTERCHANGE RAMP PILE FON_AC	107 01-Oct-19 06	5-Mar-20 25	5-Oct-19	6-Aug-20	100%	100%	16449-20A; INTERCHANGE RAMP FILE FEM JAC
380	MODULE_33_ACA2-ACP5		9-Dec-19 25		6-Aug-20	100%	100%	16Aug/20A_WCDU4IE_33_ACAZAGP5
381	MODULE_34_ACP5-MP256			and the second	5-Feb-20	100%	100%	VIIIV 25Feb/20/A MODULE_3K_ACP5-MP/288
382	INTERCHANGE RAMP PILE FON_JM				17-May-21	100%	100%	ATTENDED TO THE PERSON OF THE POLYMENT OF THE
383	MODULE_25_MP245JMP4				3-Apr-21	100%	100%	######################################
385	MODULE_26_IMP4_IMP8 MODULE_27_JMP8_IMA2				7-Feb-21 7-May-21	100%	100%	ATT (1) Fab 2) A: MODULE 28 JAHF (LIMP)
396	INTERCHANGE RAMP PILE FON MJ				7-Nov-20	100%	100%	TA (PANALATA NOBLE SANA)
387	MODULE_35_MJA2-MJP9				7-Nov-20	100%	100%	27.Nov.20.A., MODULE 38, AMAZAM P38
388	MODULE_36_MJP9-MJP4				6-Aug-20	100%	100%	
389	MODULE_37_MJP4-MP252	52 11-Jun-19 01	1-Oct-19 04	LDeo-19 2	0-Mar-20	100%	100%	V (20-bit-20/4 MODULE 37: MIP4MP259:
390	INTERCHANGE RAMP PILE FON_CA	100 28-May-19 23	3-Jan-20 01-	-Nov-19 2	7-Apr-21	100%	100%	
391	MODULE_28_MP249-CAP4	64 08-Nov-19 23	3-Jan-20 01-	-Nov-19 2	7-Apr-21	100%	100%	A THE PART OF A MITTER CHANGE FRAME PART FOR A STATE OF
392	MODULE_29_CAP4-CAP8	62 14-Aug-19 08	8-Nov-19 21-	-Nov-20 1	9-Mar-21	100%	100%	THE SHARE STANDOLLE 29; CAPACAPR
393	MODULE_30_CAP8-CAA2	49 28-May-19 14	4-Aug-19 05	Jan-21 2	4-Feb-21	100%	100%	VT 24-Feb2liA, MCCUUE, 20, CAPS-CAA2 V DA-HEREZIA, INTERCHANCE RAMP PILE FINI, AM
394	INTERCHANGE RAMP PILE FDN_AM	THE RESIDENCE OF THE PARTY AND	March March		Wan-21	100%	100%	DALBER ZIA. INTERCHANCE RAMP PALE FIN AM
395	MODULE_31_MAA2-AMP4		200-200		0-Sep-20	100%	100%	IDSer-90A MODILE 31 WAA2AMF4
396 397	MODULE_32_AMP4MP259 INTERCHANGE RAMP PILE CAP INSTALLATION				4-Jan-21	100%	100%	IDSep-20 A MODILE 31 MARZAMBA DILLEN 21 A. MCDULE 32 AMPAMP250 26-May-21 A. INTERCHANISE RAMP PILE CAPINSTALLATION 26-May-21 A. INTERCHANISE RAMP PILE CAPINSTALLATION 26-May-21 A. INTERCHANISE RAMP PILE CAPINA
398	INTERCHANGE RAMP PILE CAP INSTALLATION				5-May-21 5-May-21	100%	100%	PROBATAL TILERO-FANGE RAMP PILE CAP INSTALLATION
399	MODULE_23_MAA2-MAP4				I-Jul-20	100%	100%	74.5627A. MORE TO MARCHAN DE CAMP PILE CAR MA
400	MODULE_24_MAP4-MP246				S-May-21	100%	100%	**************************************
401	INTERCHANGE RAMP PILE CAP_AC				7-Sep-20	100%	100%	D/Sqs-20A INTERCHANGE RAMP PILE CAP AC
402	MODULE_33_ACA2-ACP5	132 15-Jan-20 24	HApr-20 18-	Nov-19 07	-Sep-20	100%	100%	STASEP SO A MODULE_SS_ACAZACTS
403	MODULE_34_ACP5-MP256	114 24-Apr-20 22-	+Oct-20 02-	Nov-19 06	-Mar-20	100%	100%	D9Mer-20A: MODULE: 34:ACP5MP256
404	INTERCHANGE RAMP PILE CAP_JM	136 18-Jan-19 06-	Dec-19 11-1	Dec-19 25	May-21	100%	100%	75 May 21 & INTERCHANCE DAMP DIFF (TAP) 44
405	MODULE_25_MP245-JMP4	135 18-Jun-19 06-	-Dec-19 11-I	Dec-19 15	-May-21	100%	100%	▼ SNep21A, NODULE 25 Ne2NS, Ne4
	ual Level of Effort	EMPLOYER:				CONTR		Date Revision Checked Approved
	naining Work summary	MUMBAI METROPOLITAN REGION D	THORITY	DAEW	UU-11	PLIV		

ANNEXURE-5 CONSTRUCTION UPDATED PROGRAMME_ABSTRACT (PACKAGE 2)

	Activity Name		Original BL Project Start Duration	BL Project Finish	h Actual Start	Actual Finish	Schedule % Complete	Performance % Complete	2018 2019	2020 202		2023		20
	MODULE 26_MP4_MP8		92 21-Mar-19	17-Jun-19	23-Dec-20	23-Feb-21	100%	100%			eb-21 A, MODULE_28_JM	F4-MP8		
	MODULE_27_IMP\$-IMA2		40 18-Jar-19	20-Mer-19	02-Apr-21	25-May-21	100%	100%			25 May 21 A. MOCULE, 21			
	INTERCHANGE RAMP PILE CAP_MJ		145 18-Jan-19	15-Jan-20	16-Dec-19	19-Dec-20	100%	100%			20A, INTERCHANCE R		AP:105	
	MODULE_35_MJA24M.P9		123 18-Jan-19	29-Apr-19	08-Oct-20	19-Dec-20	100%	100%			20A. MOCULE_3E_MJA2			
	MODULE_36_MJP9-MJP4		62 30-Apr-19	26-Oct-19	03-Mar-20	03-Sep-20	100%	100%		V DIJUNZDA, MC	MODULE 35 MIPSIALE		***************	À
	MODULE_37_MJP4MP252		58 26-Oct-19	15-Jan-20	16-Dac-19	01-Jun-20	100%	100%			ALUIE 21 MAP 499 AK	CE DAMES	II B CAD CA	
	INTERCHANGE RAMP PILE CAP_CA		158 15-Oct-19	27-Jun-20	02-Dec-19	05-May-21 05-May-21	100%	100%			5 May 21 A MODULE 28	E TOMO CAD		
	MODULE_28_MP248CAP4		87 05-Mar-20	27-Jun-20	02-Dec-19 30-Nov-20	30-Mar-21	100%	100%			Mari21A MODULE 29 C		T	
	MODULE_29_CAP4-CAP8		70 16-Dec-19 53 15-Oct-19	05-Mar-20 16-Dec-19	19-Jan-21	02-Mar-21	100%	100%		(Q.A.	ANIOTA MODERN SO CA	PRCAA		
	MODULE_30_CAP8-CAA2		245 08-Jan-19	15-Oct-19	15-Feb-20	13-Jan-21	100%	100%		13.len	21 A. INTERCHANGE R	AMP PILE C	AP AM	
	INTERCHANGE RAMP PILE CAP_AM		176 08-Jan-19	09-May-19	15-Feb-20	21-Sep-20	100%	100%			, , , , , , , , , , , , , , , , , , , ,			
	MODULE 31 MAA2-AMP4		89 10-May-19	15-Oct-19	07-Mar-20	13-Jan-21	100%	100%		13.lan	21 A. MODULE 32 AMP	MP250		,
IN	MODULE_32_AMP4-MP259 ITERCHANGE SUBSTRUCTURE & BEARING		790 29-Jan-19	31-May-21	24-Dec-19		100%	100				₩ 28-Apr-9	3. INTERCHANGE SU	١
	INTERCHANGE RAMP PIER INSTALLATION		596 29-Jan-19	27-Apr-21	24-Dec-19	12-Sep-22	100%	100%			12.5e	>22A, INTE	RCHANGE RAMP PLE	E
	INTERCHANGE RAMP PIER MA		169 18-Mar-20	29-Dec-20	24-Dec-19	18-Sep-21	100%	100%			Telsep-21 A INTERC	HNGE RA	WP PER WA	
	INTERCHANGE RAMP PIER, AC		249 16-May-20	27-Apr-21	19-May-20	18-Dec-21	100%	100%		X	₩ 18 Dec-21 A, 1N11	RCHANGE	RAMP PIER AC	
	INTERCHANGE RAMP PIER JM		138 08-Feb-19	18-Mar-20	15-Jan-20	29-Jul-22	100%	100%			29-ka2	A INTERC	HANGE RAMP PIER	
	INTERCHANGE RAMP PIER_MJ		234 08-Feb-19	16-May-20	07-Sep-20	20-Nov-21	100%	100%			20Nov21A.INTE	ACHANGE F	MAP PIER MI	
	INTERCHANGE RAMP PIER_CA		230 08-Jan-20	16-Feb-21	27-Apr-20	02-May-22	100%	100%			1 (2-lay-2)	INTERCH	INGE RAMP PIER C	
	INTERCHANGE RAMP PIER_AM		268 29-Jan-19	08-Jan-20	26-Sep-20	12-Sep-22	100%	100%			111111111111111111111111111111111111111	22 A INTE	RCHANGE RAMP PLE	
	INTERCHANGE BEARING INSTALLATION		447 27-Feb-19	31-Ntay-21	08-Sep-21		0%	0%				▼ 25-Apr-2	A. INTEREMANCE BE	-
	INTERCHANGE RAMP BEARING_MA		229 16-Apr-20	01-Feb-21	08-Sep-21	18-Jan-22	0%	0%			vv. 16-391-22.A. IMI	AND THE	RAMP:BEARING_N ICE:RAMP:BEARING	
	INTERCHANGE RAMP BEARING_AC		28 24-Jun-20	31-May-21	04-Mar-22	07-Apr-22	0%	0%			THE ADMINISTRATION OF PARTY AND PROPERTY OF PARTY AND PARTY OF PARTY AND PARTY OF PARTY AND PARTY OF PARTY AND PARTY OF	in a destructed of it is	IGE RAMP BEARING MIERCHANGE RAM	7
	INTERCHANGE RAMP BEARING_JM		150 11-Mar-19	20-Apr-20 30-Jun-20	14-Jul-22 22-Mar-22	19-Dec-22 02-Sep-22	0%	0%	**************************************			MA WITE	NIEHCHWIGE HAM ROHANGE RAMP BE	,
	INTERCHANGE RAMP BEARING_MJ		63 11-Mer-19	22-Mar-21	26-Sep-22	30-Dec-22	0%	0%				Di Dari 22 A	NTERCHANCE RALE	Ŕ
	INTERCHANGE RAMP BEARING_CA		106 08-Feb-20 105 27-Feb-19	10-Feb-20	05-Jan-23	artere.	0%	0%				7 26-Anr-⊻), interchanse ra 7 26 Dep:23, interch	-
1.00	INTERCHANGE RAMP BEARING_AM		514 20-Sep-19	15-Feb-22	18-Sep-21		100%	90,33%				illillill	26-Depi23, sNTERC	Ī
	TERCHANGE SUPERSTRUCTURE INSTALLATION		180 (9-Jan-21	03-Jan-22	18-Sep-21	22-Apr-22	100%	100%			₩ 17 17 22Apt-22K			
	INTERCHANGE BOX GIRDER INSTALLATION_MA		134 09-Jan-21	21-Jun-21	18-Sep-21	08-Mar-22	100%	100%			DB-Mar-22A, N	ODULE 23	Maa2'map6 wap6 M	i
	MODULE_23_MAA2-MAP6-MAP6-MAP4		61 21-Jun-21	03-Jan-22	01-Oct-21	22-Apr-22	100%	100%	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	* * * * * * * * * * * * * * * * * * *	192 Al-J 22 A	MODINE N	11667341663214632	i
	MODULE_24_MAP4-MAP3-MAP1-MP246 INTERCHANGE BOX GIRDER INSTALLATION_AC		140 27-Feb-21	27-Dec-21	01-Nov-21	20-Sep-22	100%	100%				TOTAL CONTRACTOR		į
	MODULE 33 ACA2-ACP8-ACP7-ACP8-ACP5		140 27-Feb-21	08-Sep-21	01-Nov-21	10-Apr-22	100%	100%				MODULE 23	ACA2/ACP8/ACP7/4	-
	MODULE 34 ACPS-ACP4-ACP3-ACP1-MP256		122 31-May-21	27-Dec-21	07-Apr-22	20-Sep-22	100%	100%				5-22:A, MOD	ULE 34 ACRS ACR4	į
	INTERCHANGE BOX GIRDER INSTALLATION_JM		234 11-Mar-20	26-Feb-21	30-Aug-22	14-Feb-23	100%	100%				14-Feb-23 A	INTERCHANGE BOX	-
1	MODULE 25 MP245JMP1-JMP2-JMP3-JMP4		144 19-Aug-20	09-Feb-21	13-Od-22	14-Feb-23	100%	100%		1		14-Feb-23 A.	MODULE 25: MP245	Ġ
	MODULE_26_JMP4-JMP5-JMP6-JMP7-JMP8)	109 29-Sap-20	26-Feb-21	30-Aug-22	14-Dec-22	100%	100%			· · · · · · · · · · · · · · · · · · ·	D₩-22 N, N	ODULE 25 JMP4JM	-
	MODULE 27_MP8_MP8_MP10_MA2		195 11-Mar-20	29-Sep-20	08-Sep-22	09-Jan-23	100%	100%	2 3 3 6 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			BJan 23A, I	ADDULE: 27 JMP8-JM	į
	INTERCHANGE BOX GIRDER INSTALLATION_MJ		188 20-Sep-19	08-Jan-21	17-Mar-22	13-Oct-22	100%	100%			#####################################	CI-22A, INTE	RCHANGE BOX GIF	į
	MODULE_35_MJA2-MJP12-MJP10-MJP9		100 20-Sep-19	16-Mar-20	17-Mar-22	11-Jun-22	100%	100%	1			MODULE	35 MM2-MP12MJP	4
	MODULE_36_MJP9-MJP8-MJP7-MJP6-MJP5-MJP4		171 16-Mar-20	29-Oct-20	28-Mar-22	23-Aug-22	100%	100%			22-Alb	ZIA, MODU	LE: 36 MJP9MJP8M	ļ
	MODULE_37_MJP4-MJP3-MJP2-MJP1-MP252		128 30-Jun-20	08-Jan-21	16-Jun-22	13-Oct-22	100%	100%			13/0	1-ZZA, MOC	14.E 37: MUPH-NUP3 26-Deb:23, INTERCH 26-Deb:23, MODULE	-
	INTERCHANGE BOX GIRDER INSTALLATION_CA		390 30-Oct-20	15Feb-22	12-Oct-22		100%	85.45%					29-UBC-23, INTERIC	'n
	MODULE_28_MP249CAP1-CAP2-CAP3-CAP4		154 08-Sep-21	15 Feb-22	10-Dec-22	10 Col- 20	100%	100%	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			ALCAN SO A	MONTE DO CADE	-
	MODULE_28_CAP4-CAP5-CAP6-CAP7-CAP8		161 09-Apr-21	23-Nov-21	29-Oct-22	10 Feb-23	100%	100%					MODULE 201CAPAG	٠
	MODULE_30_CAP8-CAP9-CAP10-CAA2		159 30-Oct-20	08-Apr-21 19-Aug-20	12-Oct-22 12-Jan-23	26-Dec-22	100%	53.33%					iodule:30 Icapsica Sep:23, interchan	
	INTERCHANGE BOX GIRDER INSTALLATION_AM		207 14-Oct-19 178 14-Oct-19	11-Mar-20	12-Jan-23		100%	72%				19	Seo-23: MGO: I F: 25	
	MODULE 31_AMAZ-AMP8-AMP7-AMP6-AMP5-AMP4		181 10-Feb-20	19-Aug-20	21-Jan-23		100%	30%				25	Sep-23: MODULE: 20: Sep-23: MODULE: 30:	
	MODULE 32 AMP4 AMP3 AMP2 AMP1 - MP259		352, 11-Mar-19	06-Nov-20	15-May-21	22-Feb-23	100%	100%	5 6 8 8 3 3 3 8 8 6 8 6 7 8 8 6 8 7 8 6 8 8 6 8 8 6 8 8 8 8				INTERCHANGE RET	
	TERCHANGE RETAINING STRUCTURE INTERCHANGE RETAINING STRUCTURE_MA		0	SENSONE I			0%	0%						
	INTERCHANGE RETAINING STRUCTURE_MA		69 24-Jun-20	06-Nov-20	15-May-21	25-Mar-22	100%	100%			7 25-Mat-72/A. II	TERCHAN	SERETAINING STRU	J
	INTERCHANGE RETAINING STRUCTURE_IM		89 11-Mar-19	08-May-19	24-Feb-22	36-Oac-22	100%	100%			25 Mei-22A.	Dec 22A, P	TERCHANGE RETAI	i
	INTERCHANGE RETAINING STRUCTURE_MJ		101 09-May-19	11-34-19	18-Oct-21	05-Aug-22	100%	100%			WTT TEAUG	2A, INTER	HANGE RETAIN NG	
	INTERCHANGE RETAINING STRUCTURE_CA		39 06-Feb-20	24-Mar-20	28-Dec-21	08-Sep-22	100%	100%			18:Se	22A, INTER	CHANGE RETAINING	200
	INTERCHANGE RETAINING STRUCTURE_AM		67 12-Jul-19	24-Oct-19	15-Od-22	22-Feb-23	100%	100%				22-Fbb-23A	INTERCHANGE RET	7
	SCELLANEOUS & FINISHING WORKS		375 19-Aug-20	28-Apr-22	15-Nov-22		100%	13.15%					W D6-May-24, M/SCE	1
L. Dou	The state of the s									<u> </u>		evision	Checked	
	vel of Effort Critical Remaining Work	EMPLOYER:					t	TRACTOR		25-N	Mar-23 R0	- 2	AND HAR	
tual Wo		MUMBAI METE	ROPOLITAN REGIO	N DEVELOR	PMENT A	UTHORITY	DAE	WOO-T	PL JV			/03	7 792	
emaining	g Work summary	(MMRDA)										13/	An hel	
		[(IAIIAIUDW)					1						All Comme	

MUMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807KM LONG BRIDGE SECTION (CH 10 380 - CH 18 187) ACCROSS THE MUMBAI BAY INCL SHIVAJNAGAR INTERCHANGE

ANNEXURE-5 CONSTRUCTION UPDATED PROGRAMME ABSTRACT (PACKAGE 2)

UNDER IDENTIFICATION NO MMRDA/ENG/000753 Schedule % Complete Original Bl. Project Start Duration BL Project Finish Actual Start Actual Finish 22-Apr-22 V DIJJan 24 ORASH BARRIER & GURARD RAI 102% 56.839/ 339 19-Aug-20 21-Feb-22 15-Nov-22 CRASH BARNER & GURARD RAILS 15 Jan 24 WATER PROOFING 100% 247 10-Sep-20 08-Mar-22 466 V: D6-Man-24. PAVEMENT 100% 253 07-Sep-20 28-Apr-22 467 OBJANIZA, DRAMAGE WORKS 26-Feb-22 100% 247 28-Aug-20 468 VIII 22 May 24 PROJECT HANDINGOVER 100% 65 24-May-22 22-Sep-22 469 PROJECT HANDINGOVER THE 22-May-24, CHECKLIST 100% 470 65 24-May-22 22-Sep-22 CHECKLIST 0% 471 773 22-Sep-22 21-Sep-24 DEFECT LIABILITY PERIOD (DLP) 2475 23-Mar-18 21-Mar-23 100% 47.249 472 PRICE SCHEDULE 93,26% 100% 473 2475 23-Mar-18 21-Mar-23 23-Mar-18 SCHEDULE-1 98.27% 100% 23-Mar-18 1644 23-Mar-18 22-Sep-22 474 SCHEDULE-2 100% TV: 0HJU-24, SCHEDULE-3 100% 1644 23-Mar-18 22-Sep-22 23-Mar-18 475 SCHEDULE-3 TV: 04-34-24,:SCHEDULE-12 100% 94.4% 1644 23-Mar-18 22-Sep-22 23-Mar-18 476 V, OH, MAJA, SCHEDUJE-133. SCHEDULE-12 100% 0.28% 1644 23-Mar-18 22-Sep-22 23-Mar-18 477 SCHEDULE-13 17-Jun-22 MTHL-PKG2-RAMBOLL DESIGN PROGRAMME_25032023_APPROVED_MPR.60

Actual Level of Effort Critical Remaining Work Actual Work ◆ Milestone Remaining Work summary

478

EMPLOYER: MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY (MMRDA)

CONTRACTOR: DAEWOO-TPL JV

Revision Checked Date Approved 25-Mar-23 R0

9 of 9

Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 24 (Jan-Mar 2023)

Attachment 8- Package-3's Construction Programme Updated as of 25th Mar 2023



MTHL Pkg 3_MPR Schedule Mar'23							Schedule Layor						28-Mar-23
rity ID	Activity Name	Original Duration	BL1 Start	BL1 Finish	Start	Finish	Activity % Complete	Schedule % Complete	Performance % Complete	Earned Value Cost	Planned Value Cost	Qtr 1, 2023	Qtr 2, 2023
NONTENA DEN TRESIDENCE			Section 201	Taken and the second	I was a second	Description of the second	Oumpete						Apr
MTHL Pkg 3_MPR S	Schedule Mar'23	1550	23-Mar-18	03-Mar-23	23-Mar-18 A	12-Oct-23		93 31%		Rs9.024.841.659		:	
Procurement of Mu	umbai Trans Harbour Link Pr	1550	23-Mar-18	03-Mar-23	23-Mar-18 A	12-Oct-23		93.31%	89 02%	Rs9 024 841 659	Rs9,460,149,036	:	
<u> </u>	Commencement Date (CD)	0			23-Mar-18 A		100%	0%	100%	Rs0	Rs0		
Milestones (As level o	of effort)	910	30-Sep-19	03-Mar-23	30-Sep-19 A	12-Oct-23		0%	0%	Rs0	Rs0		
KD1001	KD1 [Construction programme	0	30-Sep-19	30-Sep-19	30-Sep-19 A	30-Sep-19 A	100%	100%	100%	Rs0	Rs0		
■ KD1002	KD 2 [NOC for technical desig	0	29-Jun-20	29-Jun-20	29-Jun-20 A	29-Jun-20 A	100%	100%	100%	Rs0	Rs0		
■ KD1003	KD 3 [NOC for Good for const	0	17-Aug-20	17-Aug-20	17-Aug-20 A	17-Aug-20 A	100%	100%	100%	Rs0	Rs0		
■ KD1004	KD 4 [Substantial completion	0	27-Nov-20	27-Nov-20	27-Nov-20 A	27-Nov-20 A	100%	100%	100%	Rs0	Rs0		
KD1005	KD 5 [Substantial completion	0	25-Dec-21	25-Dec-21	25-Dec-21 A	25-Dec-21 A	100%	100%	100%	Rs0	Rs0		
₩ KD1006	KD 6 [Substantial completion	0	06-Dec-22	06-Dec-22	19-May-23	19-May-23	0%	100%	0%	Rs0	Rs0		
C KD1007	KD 7 [Substantial completion	0	17-Feb-23	17-Feb-23	27-Sep-23	27-Sep-23	0%	100%	0%	Rs0	Rs0		
₩ KD1008	KD 8 [Final completion & hank	0	03-Mar-23	03-Mar-23	12-Oct-23	12-Oct-23	0%	100%	0%	Rs0	Rs0		
Financial Milestone		1509	23-Mar-18	03-Mar-23	23-Mer-18 A	12-Oct-23		0%	0%	Rs0	Rs0		
Interface Milestone		791	17-Sep-18	16-Aug-22	25-Mar-18 A	27-Mar-23		0%	0%	Rs0	Rs0	27-Mar-23, Interface Milesto	ne
Delay Events		1193	19-Apr-18	25-Jul-22	19-Apr-18 A	25-Mar-23		0%	0%	Rs0	Rs0	25-Mar-23, Delay Events	
Document Submittals	5	45	06-Apr-18	30-Sep-19	06-Apr-18 A	30-Sep-19 A		100%	100%	Rs74,992,895	Rs74,992,895		***************************************
Employer's Obligation		1153	23-Mar-18	25-kil-22	23-Mar-18 A	25-Mar-23		0%	0%	Rs0	Rs0	25-Mar-23, Employer's Obligatio	n / Land Handover
Employer Office (Sch		797	25-Jan-19	18-Dec-22	25-Jan-19 A	03-May-23		100%	99.17%	Rs141,169,565	Rs142,351,965		
And the second s	al Investigation Works	346	19-Apr-18	30-Sep-19	19-Apr-18 A	30-Sep-19 A		100%	100%	Rs242,300,773	Rs242,300,773		
Design Works		1043	25-Apr-18	25-Jul-22	25-Apr-18 A	24-Dec-22 A		100%	100%	Rs159,122,500	Rs159,122,500		
Procurement Works		1153	15-Feb-19	25-Oct-22	15-Feb-19 A	02-Jun-23		100%	99.04%	Rs1,373,908,270			Λ
	tion & Manufracturing Works	1091	21-Feb-19	04-Sep-22	21-Feb-19 A	09-Apr-23		100%	100%	Rs390,605,953	Rs390,605,953	▼ 09-Apr	-23, Co-ordinated Fabrication
Construction Works		1344	26-Sep-18	02-Mar-23	26-Sep-18 A	10-Oct-23		100%	94.04%	Rs6,642,741,704	Rs7,063,465,440		
Preconstruction Act	vity	1105	26-Sep-18	01-Nov-22	26-Sep-18 A	28-Apr-23	trus .	0%	0%	Rs0	Rs0		
The second contract of the second	n Foundation, Pier ,Pier Cap)	1073	14-Nov-18	10-Oct-22	14-Nov-18 A	08-Feb-23 A	*	100%	100%	Rs3.392.806.946	Rs3 392 806 946		·····
Super Structures		628	11-Sep-19	20-Jan-23	11-Sep-19 A	12-Jun-23		100%		Rs1,366,275,676	Rs1 408 927 164		
Bearings Installation	·		04-Nov-20	19-Dec-22	04-Nov-20 A	28-Apr-23		100%	71 76%	Rs7 502 781	Rs10 454 695		7 2
Bridge Ancillaries &	Miscellaneous Item		27-Jul-22	02-Mar-23	05-Jul-22 A	10-Oct-23		100%	22 07% 73 33%	Rs17 247 864	Rs78.136.642 Rs450.167.295	:	
RE Wall			22-Dec-21	06-Jan-23	22-Dec-21 A 16-Feb-19 A	17-Jun-23 14-Jul-23	1 100	100%		Rs330 129,822 Rs1 514 366 401	The second second	1	
At Grade work Water Proofing	The second second		16-Feb-19 03-Oct-22	16-Jan-23 21-Feb-23	02-Jan-23 A	02-Oct-23		100%	85%	Rs5 320 495	Rs6 259 406		
Asphalt Pavement, K	Cerb traffic sign		21-Dec-22	27-Feb-23	03-Jun-23	07-Oct-23		100%	0%		Rs154,449,156		
Compound wall with			04-Jan-22	03-Feb-23	04-Jan-22 A	18-Sep-23	N	100%	18 98%	Rs9 091 719	Rs47,897,735		
Completion of Interface	The state of the s	PATER NAME OF TAXABLE PARTY.	25-Jul-22	17-Aug-22	25-Mar-23	27-Mar-23		0.02%	0%	Rs0	Rs149,046	27-Mar-23, Completion of Inte	erface Activity
Testing & Commission		34	24-Jan-23	03-Mar-23	02-Sep-23	12-Oct-23		0%	0%	Rs0	Rs0		

♠ Milestone Critical Remaining Work summary

Page 1 of 2

© Oracle Corporation

Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 24 (Jan-Mar 2023)

Attachment 9- Project Progress Photos for Mar 2023



Package 1- Site Progress Photos



Photo no.1- OSD 2 & OSD 3



Photo no.2 Water proffing membrane at Ch.2530





Photo no.3 Ch. 1290 SMA paving in progress



Photo no.4 Composite girder BP 24- BP 26





Photo no.5 BP 29-30 Cast in situ shuttering in progress

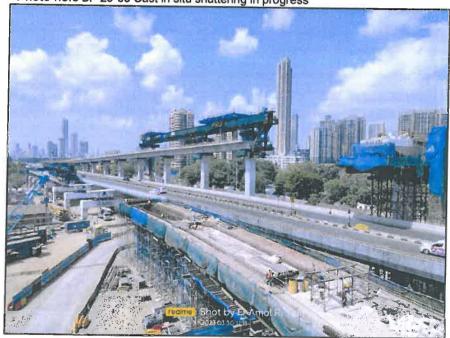


Photo no.6 Interchange view towards South Mumbai





Photo no.8 Intertidal Section- LG-08



Photo no.9 Casting of Last Segment at Precast yard



Package 2 - Site Progress Photos



Photo no.1- Deck Waterproofing works in progress at LHS Carriageway.



Photo no.2- Preparatory works for 26th OSD erection in progress at Span MP 173-173A LHS.

1st Jan 2023 to 31st Mar 2023



Photo no.3- Expansion Joint Cantilever slab concrete in progress.



Photo no.4- Crash barrier concreting in progress at ramp AC.



1st Jan 2023 to 31st Mar 2023



Photo no.5- Segment lifting in progress at Span MP 164-165 LHS.



Photo no.6- Application of Tack coat in progress at LHS Carriageway.





Photo no.7-SMA laying in progress at LHS Carriageway.



Photo no 8-Application of Tack coat in progress at LHS Carriageway.



1st Jan 2023 to 31st Mar 2023

Package 3 - Site Progress Photos



Photo no.1- Deck slab concrete casting completed at RMP 273-274



Photo no.2- MPP RAMP Embankment works.





Photo no.3- GSB laying work at RHS CH 18+930 to 19+070.



Photo no.4- A Outer crash barrier shuttering work at Chirle span RP36-37.t-grade location.





Photo no.5- Steel girder erection work at Jasai SH-54 span RP 19-20.



Photo no.6- Anti carbonation paint work at Chirle Ramp JMP.

A CONSULTATION P

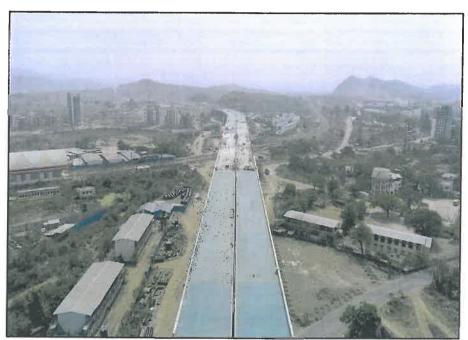


Photo no.7- Main viaduct at Gavan location.

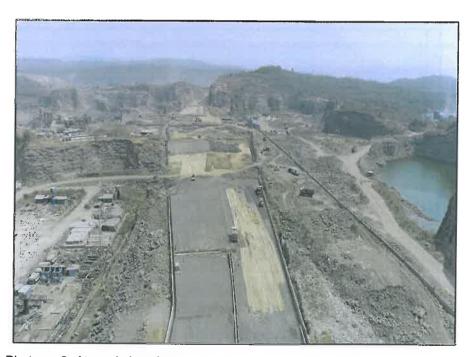


Photo no.8- At grade location.



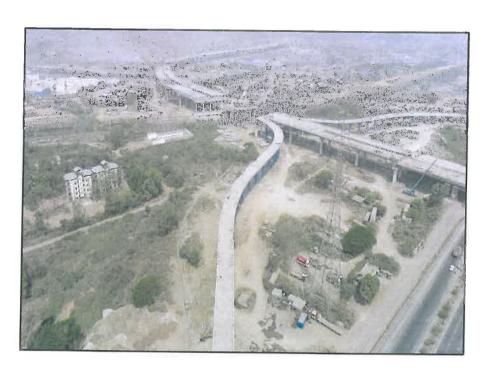


Photo no.9- JMP and MPP ramp at Chirle Interchange.

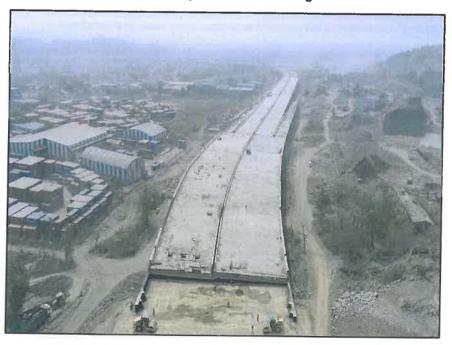


Photo no.10- Jasai Viaduct.



Package 4 - Site Progress Photos



Photo no.1- Plinth beam reinforcement and Shuttering work is in progress



Photo no.2- GSB spreading under progress at SN Service Road CH 300 to 90



Annexure-1 JICA Reimbursement backup Jan'2023



Reimbursement details for the month of January 2023

Date of disbursement	Amount of Disbursement in JPY					
17-Jan-2023	JPY 685,333,985					
17-Jan-2023	JPY 15,383,592					
Total Amount	700.71 Million JPY					



Annexure-2 JICA Reimbursement backup Feb'2023



Reimbursement details for the month of February 2023

Date of disbursement	Amount of Disbursement in JPY						
03-Feb-2023	JPY 18,876,309						
10-Feb-2023	JPY 31,139,524						
10-Feb-2023	JPY 7,464,863						
10-Feb-2023	JPY 7,784,883						
10-Feb-2023	JPY 31,034,997						
10-Feb-2023	JPY 7,693,778						
10-Feb-2023	JPY 39,520,885						
14-Feb-2023	JPY 943,507,053						
14-Feb-2023	JPY 395,069,574						
14-Feb-2023	JPY 1,393,371,460						
14-Feb-2023	JPY 447,752,790						
14-Feb-2023	JPY 253,351,501						
14-Feb-2023	JPY 7,310,158						
14-Feb-2023	JPY 182,329,116						
14-Feb-2023	JPY 57,018,586						
14-Feb-2023	JPY 16,539,645						
14-Feb-2023	JPY 209,533,048						



14-Feb-2023	JPY 81,502,917
14-Feb-2023	JPY 58,415,242
14-Feb-2023	JPY 5,570,446
14-Feb-2023	JPY 273,394,634
14-Feb-2023	JPY 72,697,741
17-Feb-2023	JPY 194,897,822
17-Feb-2023	JPY 47,019,188
17-Feb-2023	JPY 16,410,146
17-Feb-2023	JPY 8,471,850
17-Feb-2023	JPY 72,398,621
17-Feb-2023	JPY 26,365,058
28-Feb-2023	JPY 5,190,309
Total Amount	4911.63 Million JPY



Annexure-3 JICA Reimbursement backup Mar'2023



Reimbursement details for the month of March 2023

Date of Disbursement	Amount of Disbursement in JPY
13-Mar-2023	JPY 428,160,758
13-Mar-2023	JPY 6,150,421
13-Mar-2023	JPY 9,107,236
13-Mar-2023	JPY 175,263,452
13-Mar-2023	JPY 4,060,416
13-Mar-2023	JPY 930,794,090
13-Mar-2023	JPY 150,654,394
13-Mar-2023	JPY 13,832,079
13-Mar-2023	JPY1,457,436,410
13-Mar-2023	JPY 570,612,766
13-Mar-2023	JPY 996,834,517
13-Mar-2023	JPY 50,021,201
13-Mar-2023	JPY 14,406,730
14-Mar-2023	JPY 305,997,131
15-Mar-2023	JPY 50,779,374
15-Mar-2023	JPY 26,919,453
15-Mar-2023	JPY 16,814,100
15-Mar-2023	JPY 56,379,112
15-Mar-2023	JPY 29,972,261
24-Mar-2023	JPY 12,025,325



Total Amount	5421.14 Million JPY
29-Mar-2023	JPY 12,102,189
29-Mar-2023	JPY 29,031,589
24-Mar-2023	JPY 28,590,337
24-Mar-2023	JPY 45,198,856

