



AECOM

PADECO





General Consultant for Mumbai Trans Harbour Link Project

Ref No: MTHL/GC/MMRDA/LT/QPR- 1093 /2019

6th December 2019

To,
The Chief Engineer
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 Quarterly Progress Report (QPR) No. 10 for July - Sept. 2019

Ref: MTHL/GC/MMRDA/LT/QPR - 1075/ 2019 Dated 26th November 2019

Dear Sir,

With reference to the above subject, please find enclosed 1 hard copy of the corrected Quarterly Progress Report (QPR) No. 10 for the period of July to September 2019. You may forward the same to JICA at your earliest convenience.

Thanking you,

Yours faithfully,

Me 12 6 December 219



Dr. S H Robin Sham, CBE (BSc, PhD, DIC, FCGI, FRSA, CEng, FICE, FIStructE, FHKIE) The Engineer General Consultant (MTHL)

Encl: 1 copy of Quarterly Progress Report No. 10 (July - September 2019)

CC: Superintendent Engineer – MMRDA - Mr. Sakhalkar Executive Engineer – MMRDA – Mr. Bhisikar Executive Engineer – MMRDA – Mr. Vishal Jambhale Executive Engineer – MMRDA – Mr. Deshpande





Mumbai Metropolitan Region Development Authority

Mumbai Trans Harbour Link Project

Quarterly Progress Report - No.10

(From 1st July 2019 to 30th September 2019)



Mumbai Trans Harbour Link Project Quarterly Progress Report No. 10 1st July 2019 to 30th September 2019 Loan Agreement No. ID-P255 (Tranche-I)

ORGANIZATION INFORMATION

	Mumbai Met	ropolitan 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),
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	ns Harbour Link Project Implementation Unit	
		Object Forming and
	Headed by:	Chief Engineer
Executing		Mumbai Trans Harbour Link Project Implementation Unit
Agency	Contact	M.M.R.D.A. New Office Building, Bandra-Kurla Complex,
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		Mumbai - 400 051
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Details of JICA Loan

Source of	JICA ODA Loan Portion:	238,572 million Japanese YEN (JPY)
Source of Finance	Tranche-I:	144,795 million Japanese YEN (JPY) (Loan Agreement signed on 31 st March 2017)
	Tranche-II:	66,909 Million Japanese YEN (JPY) (Loan Agreement to be signed)
Terms and	Interest	0.10533% (LIBOR-0.00533% + SPREAD RATE -0.1000%)
Conditions	Rate:	from 20 th March 2019 to 19 th September 2019.
of JICA ODA Loan (Tranche-1)	Repayment Period:	30 years, including 10 years of grace period.

DOCUMENT VERIFICATION AND REVISION RECORD

PROJ	ECT NAME	Mumbai Trans Harbour Link Project						
DOC	NO.	10	DATE O	F ISSUE	13/	11/2019		
DOC	FITLE	Quarterly Progress Report No. 10						
REV No.	DATE OF ISSUE	DESCRIPTION	PREPARED BY	CHECKED B	BY	APPROVED BY		
R0	05/07/2017	Quarterly Progress Report No. 1 (Apr-Jun 17)	J Senthil	Dr T K Sundar	ram	Dr Robin Sham		
R0	05/10/2017	Quarterly Progress Report No. 2 (Jul-Sep 17)	J Senthil	Dr T K Sundar	ram	Dr Robin Sham		
R0	05/01/2018	Quarterly Progress Report No. 3 (Oct-Dec 17)	J Senthil	Dr T K Sundar	ram	Dr Robin Sham		
R0	05/04/2018	Quarterly Progress Report No. 4 (Jan-Mar 18)	J Senthil	Dr T K Sundar	ram	Dr Robin Sham		
R0	24/07/2018	Quarterly Progress Report No. 5 (Apr-Jun 18)	Prashant B	Dr T K Sundar	ram	Dr Robin Sham		
R0	10/10/2018	Quarterly Progress Report No. 6 (Jul-Sep 18)	Prashant B	Dr T K Sundar	ram	Dr Robin Sham		
R1	08/02/2019	Quarterly Progress Report No. 7 (Oct-Dec 18)	Prashant B	J Senthil/ Dr T K Sundaram		antRI I		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)	Prashant B	Mr. Som Gho	Mr. Som Ghosh			
R0	13/11/2019	Quarterly Progress Report No. 10 (Jul-Sep 19)	Prashant B	Mr. Som Gho	sh	Dr Robin Sham		

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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

- 1. 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)".
- 2. 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.
- 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.
- 5. 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:

Vehicle Type		Sewri Intercer Intercer Interchange		Between Shivaji Nager Interchange and Chirle 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	

Table 1.3.1 Demand Projections Over the Period

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

- 2. 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)	
Location	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) 	(P/R and PCR)
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) 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 Noise Barriers & View Barriers

Items	Original	Actual
Package-4 ITS (Intelligent Transport System)	 Administrative Buildings Toll Booths (1 for main alignment and each on and off rumps 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 across the Bridge. 	(P/R and PCR)
Consulting Services	 Tender Assistance Construction Supervision Facilitation of Implementation of Environmental Management Plan (EMP), Environmental Monitoring plan (EMoP). 	(P/R and PCR)

2.2 Implementation Schedule

2.2.1 The Original Implementation Schedule

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

Table 2-2-1 Comparison of Original and Actual Schedule								
Items	Original	Status (P/R and PCR) as on 30 th September 2019						
Completion of Land Acquisition and Resettlement	March 2019	December 2019						
2) Consulting Services								
a) Selection of Consultant	May – December 2016	May – December 2016						
b) Consultancy Works	December 2016 – September 2024	December 2016 – September 2024						
3) Selection of Contractor								
Package-1, Package-2 & Package-3 (Civil)								
a) Pre-Qualification Process	May – December 2016	May – December 2016						
b) Main Bidding	January – December 2017	January – December 2017						
c) JICA's Concurrence of Contract	February-2018	February-2018						
Package-4 (ITS)								
a) Pre-Qualification Process	January 2019 – May 2019	March 2019 – August 2019						
b) Main Bidding	June 2019 – September 2020	September 2019 – December 2019						
Package-5 (Geotechnical Investigati	on)							
a) Main Bidding	March-2016	March-2016						
4) Civil Construction								
Package-1 and Package-2	March 2018 – September 2022	March 2018 – September 2022						
Package-3	March 2018 – September 2021	March 2018 – September 2021						
Package-4	October 2020 – September 2022	January 2020 – June 2022						
Package-5 (Geotechnical Investigation)	March 2016– June 2016	March 2016– June 2016						
5) Defect Liability Period								
Package-1, Package-2 and Package-4	October 2022 – September 2024	October 2022 – September 2024						
Package-3	October 2021 – September 2023	October 2021 – September 2023						
6) Commencement of Toll Collection	September -2022	September -2022						
7) Selection of O&M Organization	October 2020 – September 2021	October 2021 – September 2022						

Attachment: Package wise updated construction schedules at the end of third quarter (July-September 2019).

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.

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

	Foreign	Currency	Portion	Local (Currency P	ortion	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	34,398	34,398	0	45,376	45,376	0	105,713	105,713	0	
Package-2	26,513	26,513	0	32,617	32,617	0	77,774	77,774	0	
Package-3	759	759	0	8,276	8,276	0	13,766	13,766	0	
Package-4 (ITS)	0	0	0	1,444	1,444	0	2,269	2,269	0	
Package-5 (Geotechnical Investigation)	0	0	0	166	0	166	260	0	260	
Dispute Boards (Package-1, 2, 3 & 4)	63	63	0	45	45	0	134	134	0	
Price Escalation	2,251	2,251	0	7,133	7,133	0	13,460	13,460	0	
Physical Contingency	6,398	6,398	0	9,506	9,489	17	21,338	21,312	26	
Consulting Services	1,650	1,650	0	1,587	1,587	0	4,145	4,145	0	
Land Acquisition*	0	0	0	11,293	0	11,293	17,748	0	17,748	
Administration Cost	0	0	0	4,898	0	4,898	7,698	0	7,698	
GST	0	0	0	18,238	0	18,238	28,663	0	28,663	
Import Tax	0	0	0	13,435	0	13,435	21,114	0	21,114	
Interest during construction	2,942	0	2,942	0	0	0	2,942	0	2,942	
Front End Fee	477	0	477	0	0	0	477	0	477	
Total	75,451	72,032	3,419	154,013	105,967	48,046	317,501	238,572	78,929	

(Note) 1. Exchange Rate: US\$1=Rs. 71.9, US\$1=JPY 113.0, Rs.1 = JPY 1.57

2. Price Escalation (a) Foreign Currency Portion: 1.83% p.a. (b) Local Currency Portion: 4.13% p.a.

3. Physical Contingency: 10%

4. Base Year for Cost Estimation: December 2018

^{*} Base Cost for Land Acquisition considered in the year 2016 was INR 9,062,669,696. The base cost has been revised to INR 11,293 million considering Price Escalation and 10% Physical Contingency.

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

	Foreign	Currency	Portion	Local (Currency F	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	4,695	4,695	-	11,186	11,186		22,291	22,291		
Package-2	3,705	3,705	-	8,275	8,275		15,712	15,712		
Package-3	72	72	-	1,356	1,356		2,203	2,203		
Package-4 (ITS)	-		-	-			-			
Package-5 (Geotechnical Investigation)	-			196		196	308		308	
Dispute Boards (Package-1, 2, 3 & 4)	-			-			-		-	
Price Escalation	-			4	4		6	6	-	
Physical Contingency	-			-			-		1	
Consulting Services	253	253		299	299		870	870		
Land Acquisition*	-			5,268		5,268	8,271		8,271	
Administration Cost	-			1,513		1,513	2,375		2,375	
GST	-			2,829		2,829	4,442		4,442	
Import Tax	-			-			-		-	
Interest during construction	-			-			-		-	
Front End Fee	-			-			-		-	
Total	8,725	8,725	-	30,926	21,119	9,806	56,478	41,081	15,395	

(Note) 1. Exchange Rate: Rs.1 = JPY 1.57 for MMRDA Portion only

(b) Local Currency Portion: 4.13% p.a.

^{2.} Price Escalation (a) Foreign Currency Portion: 1.83% p.a.

^{3.} Physical Contingency: 10%

^{4.} Base Year for Cost Estimation: December 2018

^{*} Base Cost for Land Acquisition considered in the year 2016 was INR 9,062,669,696. The base cost has been revised to INR 11,293 million considering Price Escalation and 10% Physical Contingency.

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	Cost Total		JICA Portion					
Breakdown	Total	Tranche I	Tranche II	Tranche III	Sub Total	(MMRDA Portion)		
FY 2017	12,679	10,134	0	0	10,134	2,545		
FY 2018	30,771	22,707	0	0	22,707	8,064		
FY 2019	72,379	56,816	0	0	56,816	15,563		
FY 2020	92,944	55,138	16,040	0	71,178	21,765		
FY 2021	66,397	0	50,869	0	50,869	15,527		
FY 2022	27,683	0	0	20,113	20,113	7,570		
FY 2023	3,723	0	0	565	565	3,158		
FY 2024	10,925	0	0	6,189	6,189	4,735		
Total	317,501	144,795	66,909	26,868	238,571	78,929		

Table 2.3.1.b.(ii) Actually Incurred Cost BY YEAR

(All Figures are in JPY mil)

Cost	Cost Total		JICA Portion					
Breakdown	IOlai	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	15,926	10,155			10,155	5,771		
FY 2020								
FY 2021								
FY 2022								
FY 2023								
FY 2024								
Total	56,477	41,082	-	-	41,082	15,395		

(Note) 1. Exchange Rate used: Rs.1 = JPY 1.57 for MMRDA Portion only

- 2. Fiscal Year starting from 1st April and ending on 31st March.
- **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 26thJanuary 1975 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 February 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 Biding 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 April 2012. Employment of consultants should be implemented in accordance with "Guidelines of Employment of Consultant under Japanese ODA Loans", dated in April 2012. "Principles of Procurement under the Project" is attached for brief explanation of the above Guidelines.

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

There is no change made in 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					
Package	Original: (P/M)		Actual: (P/R and PCR)		
Construction	on 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)	No Change		
5	Package-5: To conduct the geotechnical investigation	Local Competitive Bidding Process	No Change		
Consulting	Consulting Services				
1	Consulting Service for Supervision	Short List Method (QCBS)	No Change		

2.4.2.2 Performance

Consultant's Progress:

July 2019:

- 1 GC scrutinized & certified the following invoices claimed by the Contractors:
 - i) Package-1: IPC-015 (80% ad-hoc) and IPC-014 (detailed verification)
 - ii) Package-2: IPC-012 (80% ad-hoc) and IPC-011 (detailed verification)
 - iii) Package-3: IPC-007 (80% ad-hoc) and IPC-006 (detailed verification))
- 2 GC has provided conditional "NONO" for Wind Tunnel Test Results on 30th July 2019 for both the Package-1 & Package-2.

August 2019:

- 1 GC conducted Monthly Progress Review Meeting with all the three Package Contractors on 2nd August 2019 to review the status of Design and Physical progress of the project.
- 2 Environmental Monitoring Committee (EMC) and Environmental Cell (EC) conducted meetings on 22nd August 2019 at MMRDA office to discuss the environmental monitoring for MTHL project.
- 3 GC scrutinized & certified the following invoices claimed by the Contractors:
 - i) Package-1: IPC-016 (80% ad-hoc) and IPC-015 (detailed verification)
 - ii) Package-2: IPC-013 (80% ad-hoc) and IPC-012 (detailed verification)
 - iii) Package-3: IPC-008 (80% ad-hoc) and IPC-007 (detailed verification)

September 2019:

- 1 GC conducted Monthly Progress Review Meeting with the Package-1 Contractor on 19th September 2019 and with the Package-2 & the Package-3 Contractors on 25th September 2019 to review the status of Design and Construction progress of the project.
- 2 GC scrutinized & certified the following invoices claimed by the Contractors:
 - i) Package-1: IPC-017 (80% ad-hoc) and IPC-016 (detailed verification)
 - ii) Package-2: IPC-014 (80% ad-hoc) and IPC-013 (detailed verification)
 - iii) Package-3: IPC-009 (80% ad-hoc) and IPC-008 (detailed verification)

Contractor's Progress:

Package-1 Physical Progress till 30th September 2019

S. No	Activity	Total Scope	Unit	Cumulative Work done Achieved	% of Work done Progress	Remarks
1	Temporary Access Bridge					
1.1	Piles	626	No.	542	87%	
1.2	Bridge Deck	2953	Rmt	1923	65%	
2	Permanent Bridge Works - Land/ Interchange Zone					
2.1	Piles	517	No.	141	27.27%	
2.2	Pile Caps	165	No.	10	6.06%	
2.3	Piers	228	No.	4	1.75%	
2.4	Pier Caps	228	No.	0	0%	
3	Permanent Bridge Works - Intertidal Zone					
3.1	Piles	236	No.	119	50.42%	
3.2	Pile Caps	57	No.	13	22.80%	
3.3	Piers	113	No.	18	15.92%	
3.4	Pier Caps	113	No.	0	0%	
4	Permanent Bridge Works - Marine Zone					
4.1	Piles	484	No.	67	13.84%	
4.2	Pile Caps	100	No.	3	3%	
4.3	Piers	198	No.	0	0%	
4.4	Pier Caps	198	No.	0	0%	
5	Precast Segments					
5.1	Segment Casting – Interchange	1785	No.	0	0%	
5.2	Segment Casting - Intertidal	1978	No.	0	0%	
5.3	Segment Casting - Marine	2946	No.	22	0.74%	
5.4	Segment Casting - Total	6709	No.	22	0.32%	
6	Permanent Bridge Works - Total					
6.1	Piles	1237	No.	327	26.43%	
6.2	Pile Caps	322	No.	26	8.07%	
6.3	Piers	539	No.	22	4.08%	

Package-2 Physical Progress till 30th September 2019

S. No	Activity	Total Scope	Unit	Cumulative Work done Achieved	% of Work done Progress	Remarks
1	Temporary Access Bridge					
1.1	Piles	967	No.	670	69.28%	Scope has been amended due to revised design
1.2	Bridge Deck	2682	Rmt	1482	55.25%	
2	Permanent Bridge Works - Marine Zone					
2.1	Piles	514	No.	45	8.75%	Scope has been amended due to revised design
2.2	Pile Caps	122	No.	0	0%	
2.3	Piers	126	No.	0	0%	
3	Permanent Bridge Works - Intertidal Zone					
3.1	Piles	290	No.	37	12.75%	Scope has been amended due to revised design
3.2	Pile Caps	70	No.	1	1.42%	Scope has been amended due to revised design
3.3	Piers	72	No.	0	0%	
4	Permanent Bridge Works – Land/ Interchange Zone					
4.1	Open Foundations	113	No.	15	13.27%	Scope has been amended due to revised design
4.2	Piers	113	No.	0	0%	
5	Permanent Bridge Works - Total					
5.1	Piles	804	No.	82	10.19%	
5.2	Pile Caps	192	No.	1	0.52%	
5.3	Piers	311	No.	2	0.64%	

Package-3 Physical Progress till 30th September 2019

S. No	Activity	Total Scope	Unit	Cumulative Work done Achieved	% of Work done Progress	Remarks
1	Permanent Foundation Works					
1.1	Open Foundations	191	No.	39	20.41%	Scope has been amended due to revised design
1.2	Piers	191	No.	2	1.04%	
2	Precast Segments					
2.1	Segment Casting	896	No.	4	0.44%	

Package-4 (ITS)

MMRDA has invited "Request for Pre-Qualification" from prospective bidders on 30th August 2019.

Health & Safety and Environment (HSE)

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

Package-1 Safety Report

Sr. No	Description	From July to September 2019	Cumulative
1	Total Man Hours Since Inception	2536632	7843236
2	Number of Man-Hours (Accident Free Man-Hours)	1873944	1873944
3	Number of Man-Days	317079	980404
4	Number of Reportable Fatal Accidents	0	0
5	Number of Non-Fatal Accidents	1	1
6	Number of Near Miss Incidents	2	15
7	Number of First Aid Cases	18	56
8	Number of Dangerous Occurrences	0	1
9	Number of Reportable Sick Cases	0	0
10	Number of Man-Hours Lost	448	448
11	Number of Man-Days Lost	53	53
12	Number of Reportable Accidents per 100,000 Man-Hours Worked	0	1
13	Number of Inspections done for Offices & Sites	61	146
14	Number of Training/ Induction done for Offices & Sites	32	122
15	Daily Average Manpower (Including all Workmen & Staff) for the Month	6210	1156
16	Details of Safety Committee meetings	3	16
17	No. of toolbox talks	3821	12489
18	No. of critical excavations.	0	0
19	Pre-employment Medical check-up	2262	7852
20	No. of Safety Walk down	13	113
21	No. of Safety Inductions completed	2262	7852

Package-2 Safety Report

Sr. No	Description	From July to September 2019	Cumulative
1	Total Man Hours Since Inception	977339	3463183
2	Number of Man-Hours (Accident Free Man-Hours)	977339	1360634
3	Number of Man-Days	88837	
4	Number of Reportable Fatal Accidents	0	0
5	Number of Non-Fatal Accidents	0	2
6	Number of Near Miss Incidents	3	15
7	Number of First Aid Cases	4	32
8	Number of Dangerous Occurrences	1	3
9	Number of Reportable Sick Cases	0	0
10	Number of Man-Hours Lost	0	836
11	Number of Man-Days Lost	0	76
12	Number of Reportable Accidents per 100,000 Man-Hours Worked	0	0
13	Number of Inspections done for Offices & Sites	76	412
14	Number of Training/ Induction done for Offices & Sites	48	356
15	Daily Average Manpower (Including all Workmen & Staff) for the Month	3006	606
16	Details of Safety Committee meetings	3	17
17	No. of toolbox talks	542	1656
18	No. of critical excavations.	0	0
19	Pre-employment Medical check-up	855	3807
20	No. of Safety Walk down	4	47
21	No. of Safety Inductions completed	871	3615

Package-3 Safety Report

Sr. No	Description	From July to September 2019	Cumulative
1	Total Man Hours Since Inception	209726	594471
2	Number of Man-Hours (Accident Free Man-Hours)	209726	594471
3	Number of Man-Days	26216	74309
4	Number of Reportable Fatal Accidents	0	0
5	Number of Non-Fatal Accidents	0	0
6	Number of Near Miss Incidents	0	2
7	Number of First Aid Cases	10	23
8	Number of Dangerous Occurrences	0	0
9	Number of Reportable Sick Cases	0	0
10	Number of Man-Hours Lost	0	0
11	Number of Man-Days Lost	0	0
12	Number of Reportable Accidents per 100,000 Man-Hours Worked	0	0
13	Number of Inspections done for Offices & Sites	18	96
14	Number of Training/ Induction done for Offices & Sites	26	80
15	Daily Average Manpower (Including all Workmen & Staff) for the Month	622	1890
16	Details of Safety Committee meetings	3	14
17	No. of toolbox talks	591	1563
18	No. of critical excavations.	0	0
19	Pre-employment Medical check-up	326	1447
20	No. of Safety Walk down	12	53
21	No. of Safety Inductions completed	334	1494

Please refer **Attachment 5 - Site Progress Photos** for the development of the project.

3.0 BENEFITS DERIVED FROM THE PROJECT (EFFECTIVENESS)

3.1 **Operational and Physical Condition**

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

Facilities	•	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)

Actual Issues and Countermeasure(s) Original Issues and Countermeasure(s) 3.2.1 General Issues (P/R and PCR) 1. Toll Arrangement/ Toll Rate Fixed toll rate as per the type of vehicle Appropriate Tolling Policy/ Rates will be finalized will be levied for the road users after the by December 2020. 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 Single Operation and Maintenance Contractor the bridge and for Toll Management will be appointed by December 2020. System. Both the agencies for O & M and Toll Management System may appointed through open tendering process. Overall monitoring of the two agencies would be done by MMRDA in house through a separate cell which could be constituted for the purpose. MMRDA has confirmed to allocate adequate budget for engaging the Contractors. 3.2.2 Environmental Social (P/R and PCR) and Consideration MMRDA has disclosed Supplemental EIA &

a. CRZ Clearance

- i. Supplemental EIA has been approved by MMRDA and disclosed on the website of JICA. Supplemental EIA report has been disclosed also on the website of MMRDA.
- ii. Furthermore, renewed CRZ Clearance has been obtained in January 2016.
- iii. In accordance with the conditions for

- 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 compliances of the approval conditions and maintains throughout the construction phase.
- MMRDA appointed Mangroves & Marine

CRZ Clearance, appropriate measures Biodiversity Foundation for bird monitoring shall be taken, and necessary budget and implementation of Flamingos and bird shall be secured by MMRDA. monitoring program for the MTHL project during the construction as well as the longterm monitoring after the construction. • 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. Draft DPR was submitted by IIT and has been under review by the "Environmental committee (EC)" of the MTHL CRZ clearance.

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 28 th November 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 is awaited from the Tree Authority. Pkg-2: Tree Cutting/ Transplantation permission obtained & completed. Pkg-3: Forest Department has issued a concurrence on 19/05/2019. CIDCO's permission for Tree Cutting/ Transplantation is awaited.
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).

Issue(s)	Action or countermeasure(s) taken and
4. Establishment of Effective	remaining problem(s)
Establishment of Effective Environmental and Social Cell in PIU	Cell is established by MMRDA (Annexure III, Organization chart)
MMRDA confirmed that So Development Cell (2 Officers), L Cell (3 Officers), and Environme Cell (2 Officers) had been set up.	
2. Rehabilitation and Land Acquisiti	on Sewri: Involuntary resettlement in Sewri section
Issues	has been further validated by Social Development
a. Affected Area and Population Due to the Project, 1282 r	Cell of MMRDA. Out of 298 Project Affected Households (PAHs) have given consents as on- follows:
titleholders will be involuntary resett	·-··
and 108.09 ha of land will be han	ded
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. Except private land and forest, CIDCO has possessed all required land of 108.09 ha. Out of the 108.09 ha, 101.95 ha has been handed over by CIDCO to MMRDA. CIDCO has yet to acquire 6.14 Ha with the help of Collector, Raigad.
b. Entitlement Policy	
MMRDA prepared the entitlem matrix for resettlement of non-holders in Sewri, which meets Resettlement and Rehabilitation Pofor Mumbai Urban Transporta Project (1997, amended in 2000) JICA guidelines for Environmental social considerations (20 ("Guidelines") (Attachment 2-5).	title enforcement. As per the Attachment 2-5 of JICA the MoD, MMRDA has committed to enforce the agreed/ approved policy.

Issue(s)	Action or countermeasure(s) taken and remaining problem(s)			
c. Compensation to Project affected	U 1 (-)			
Fishermen	Updated Attachments 2-8 and 2-10 are enclosed in the report.			
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.				
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.			
f. Internal Monitoring				
Internal Monitoring of the Resettlement Action Plan (RAP) implementation will be conducted by MMRDA in accordance with the RAP with necessary assistance of the consultant. RAP Internal Monitoring Form (Attachment 2-8) will be submitted to JICA on a quarterly basis as a part of PSR during the RAP implementation. g. Qualitative Independent Evaluation	Internal Monitoring updates are mentioned in Attachment 2-8.			
g. Quantative independent Evaluation				

	Issue(s)	Action or countermeasure(s) taken and				
	10000(0)	remaining problem(s)				
An I	ndependent Evaluation Agency will	Updated Attachment 2-10 is enclosed in the				
1	nired by MMRDA for evaluation of	report.				
RAF	•	Toport.				
	uation report will be submitted to					
	RDA at mid-term and end-term.					
	RDA would submit the evaluation					
	ort to JICA in a timely manner.					
	P Implementation Budget					
The and Cr Mis wou	amount of estimated resettlement compensation budget is Rs.906.26 MMRDA informed to the JICA sion that RAP implementation cost ald be borne by MMRDA and ured sufficient and timely allocation ands for smooth implementation.	As updated in Aid Memoire dated 14/12/18, the base cost Budget towards RAP Implementation is updated as Rs 1129.3 Cr.				
i. Env	ironmental Management Plan					
("El	MP")	EMP will be updated, if required, in due course of				
polli polli con: Mitiginsta was prep mea (Att desi of th	mitigation measures against air ation, waste, noise, and water ation etc. shall be taken during struction and operation phase. gation measures such as allation of noise barrier, appropriate te management, etc. have been bared by MMRDA. The mitigation issures are listed in the EMP matrix. achment 2-1). During the detailed gn stage, MMRDA, with assistance the Consultant, will update the EMP, tecessary.	construction activities/progress.				
	ironmental Monitoring Plan					
("EI MM imp	MoP") RDA takes overall responsibility for lementation of EMoP. During struction, environmental monitoring	Attachment 2-3.				
sup Sup be i a qi Sta	be carried out by contractors under ervision by Construction pervision consultant. The result shall reported to the JICA India Office on parterly basis as a part of Progress tus Report (PSR) by filling in the porting Form of Environmental	construction phase are reported in Attachment 2-4 .				

Issue(s)	Action or countermeasure(s) taken and remaining problem(s)
Monitoring Result. (Attachment 2-4). After completion of the construction, EMoP shall be implemented by MMRDA, and the results shall be submitted to the JICA India Office semi-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 mud-flats with the assistance of hired bird expert. During the long-term monitoring, MMRDA will share information and receive advices 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

^{*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 tons) is used for estimation.

	Original:	Actual: (PCR)
EIRR	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	Cost: Benefit: Project Life: Attachment(s): Supporting data for computing EIRR
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. 10 is submitted for a period of July to September 2019.

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.

5.1	JICA and Borrower / Executing Agency performance
JICA	x:
(PCF	₹)
Borr	ower/ Executing Agency:
(PCF	₹)
5.2	Overall Evaluation
Pleas	e describe your evaluation on the overall outcome of the project.

5.3 Lessons Learnt and Recommendations

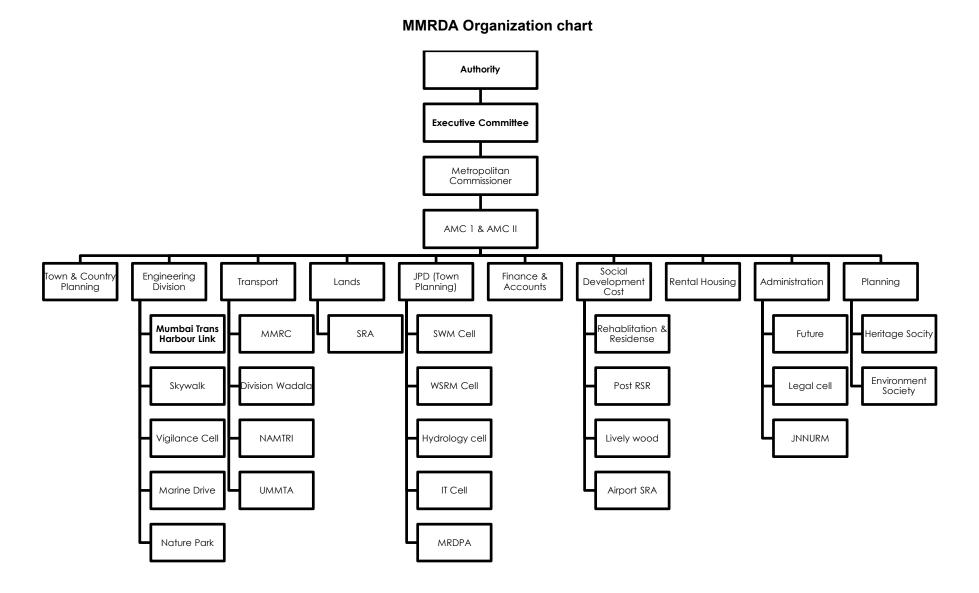
5.0 EVALUATION

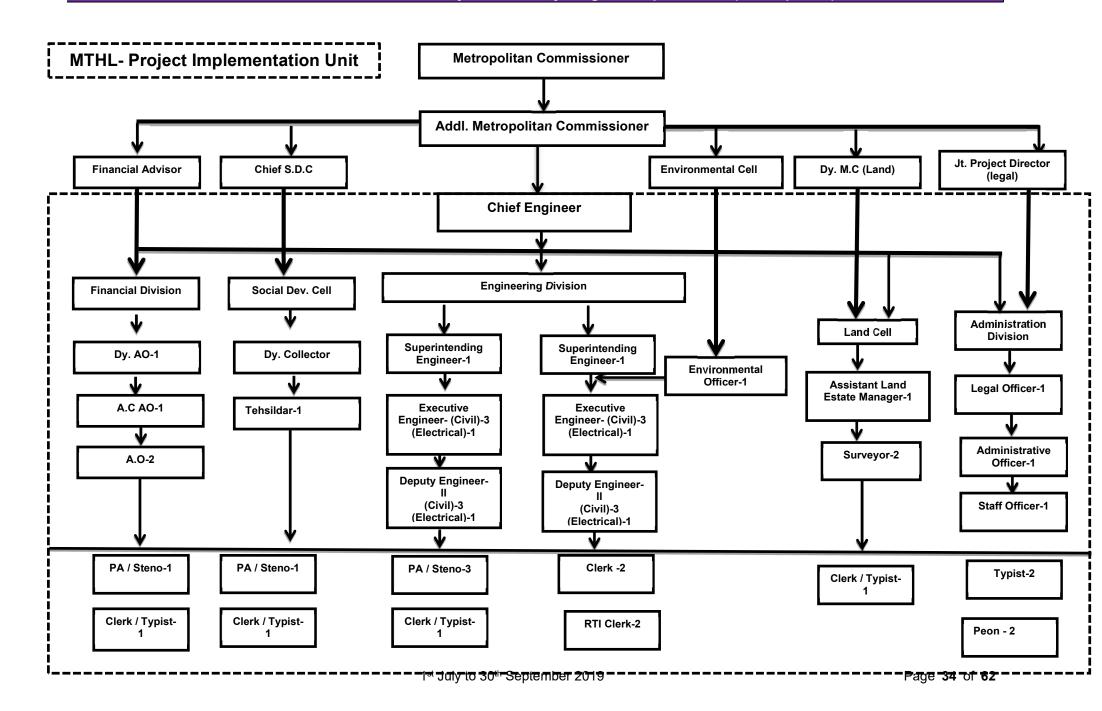
(PCR)

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)		

<i>l</i> lumbai	Trans H	Harbour	Link Pro	oject -	- Quarterly	Progress	s Report No.	. 10 (Jul-	-Sep 2019)
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~ tt	laciii	Hent	1 - 1411	VIIXL		10 01	gamzat	1011 0	riai t





Attachment 2- Environmental & Social Impacts Attachments

Attachment 2-3 - Environmental Monitoring Plan
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

Updated Environmental Monitoring Plan with Packagewise Estimated Cost

Category	No.	Impacted Item on JICA 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)	Remarks
Ī	1	Air pollution	SO ₂ , NO ₂ , PM ₁₀ , PM _{2.5} , O ₃ , CO, (6 Items)	National Ambient Air Quality Standards, 2009		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.
					2. 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
					package III	Fortnightly only for 3 months (jan-2019 to Mar-2019). Then quarterly monitoring as per MOEF and CPCB norms						· SO ₂ : 80 / 80µg/m ³	P3 contractor team is conducting Ambient air quality monitoring with reference to National Standards and clause 1.2 of Employer's requirement.
												. 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 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 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.
												 PM₁₀: 100 / 100µg/m³ PM_{2.5}: 60 / 60µg/m³ O₃: 180 / 180µg/m³ CO: 0.4 / 0.4mg/m³ 	- - - -
	2	Water pollution	pH, BOD, DO, Turbidity and O&G	IS / AWWA	Sewri & Sewri bay area for package I Nhava temporary bridge & casting yard in Gavhan for package II	Quarterly 4 Times / Year	810,000	2,400,000	810,000	0	3,210,000	Marine water quality Standards – Class SW-IV Harbour Waters (MPCB) • pH: 6.5-9	Water Pollution not applicable for Pkg. 3
g					3. Gavhan & Chirle for package III	Not applicable						 D0: 3 mg/l Turbidity: 30 NTU B0D: 5 mg/l 0 & G: 10 mg/l 	1
Pollution	3	Waste	Volume of waste soil, cutting tree and domestic garbage	Volumetric	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 JICA 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)	Remarks
					2. Nhava temporary bridge & casting yard in Gavhan for package II							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	P2 contractor has considered only Domestic garbage with respect to CIDCO. Other wastes are not considered.
					3. Gavhan & Chirle for package III	Once site clearing work/execution part of work start.						"Teen Taki Junction" along the Amar Marg.	
	4 and 8	Soil Contamination/ sedimentation	Heavy Metals & Oil & Grease	IS / Methods Manual Soil Testing in India by	1. Sewri & Sewri bay area for package I	1. Muck: 1 Time / Year 2. Sediments: 4 Times / Year	150,000	1,500,000	150,000	100,000	1,750,000	Soil Pollution Standard in India (MOEF)	
			(5-10 items shall be selected from Soil pollution standards)	Department of Agriculture and Cooperation, January 2011	Nhava temporary bridge & casting yard in Gavhan for package II							· Cd: 0.01mg/l	
					3. Gavhan & Chirle for package III	*If any spillage/ leakage take place						· Lead: 0.01mg/l	
						from chemical, fuel storage area.						Chromium (VI): 0.05mg/l Arsenic: 0.01mg/l	-
						*One time grab sample to be collected during						· T-Mercury: 0.0005mg/l]
						Bridge Construction *Pre & Post Monsoon						Copper: 125mg/kg (some items shall be selected from totally 25 standards)	-
	5	Noise and	Ambient and road	IS Standard	1. Sewri & Sewri bay area	at Storage area only Fortnightly	150,000	54,000	150,000	369,000	573,000	items) -Construction Noise; 85dB(A)	
	3		side noise (dB(A)L _{Aeq})	13 Standard	for package I		130,000	34,000	130,000	309,000	373,000		
					2. Nhava temporary bridge & casting yard in Gavhan for package II							-Ambient Noise Standards in India (dB (A) _{Leq})	
					3. Gavhan & Chirle for package III	Fortnightly					1.Industrial Area	-	
					package III							Day Time: 75 (6-22hr)]
												Night Time: 70 (22-6hr)]
												2.Commercial Area: Day Time: 65 (6-22hr)	-
												Night Time: 55 (22-6hr)	1
												3.Residential Area:]
												Day Time: 55 (6-22hr)	
												Night Time: 45 (22-6hr) 4.Silence 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	475,000	- Construction vibration 75dB	Not applicable for Pkg. 1
												-Vibration Standards roadside	-
												1. Commercial /Industrial Area	
												Day Time: 70 (7-20hr)	_
												Night Time: 65 (20-7hr) 2. Residential Area:	
												Day Time: 65 (7-20hr)	
												Night Time: 60 (20-7hr)	<u> </u>
	9 and 10	Protected Area /Ecosystem	1.Monitoring of mudflat conditions including fauna-flora	Ocular inspection and quantitative survey	Along MTHL alignment and mangrove replant area for Package I	Quarterly during the construction Period	6,500,000	7,200,000	6,500,000	0	13,700,000		Not applicable for Pkg. 3
			2. Monitoring of Cutting Tree and replantation/		Along MTHL alignment and mangrove replant area for package II	4 Times / Year						Significant impacts are not caused by the project	
			transplanting area	1-1. Fauna-Flora	Not applicable for Package III]
			3.Monitoring of Mangrove Plantation area appointed by MoEF	Line-Point census and record number and appeared species								Note)	
		I		<u> </u>]		I	1 1			J

Category	No.	Impacted Item on JICA 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)	Remarks
Natural environment			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 survey								Detailed monitoring plan will be setup during basic design stage	
				1-3: Benthos Survey 2-1: Cutting trees confirmation 3-1: Mangrove survey in the replanted area								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 	
	11	Hydrology	Flooding situation	Flood level measurement during high precipitation periods	Not applicable for Package I		350,000	0	350,000	0	350,000	Project activities and structures does not cause flooding and impacts on tidal conditions	Not applicable for Pkg. 1 & 3
					2 Locations (CRZ at Sewri and Shivaji Nagar) for Package II	4 Times / Year							
					Not applicable for Package								
	12	Topography and Geology	Conditions in embankment area	Stability of	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 acanamii			Not applicable for Package		As per Actuals						
		Local economy such as employment and livelihood			Affected area		•						
ıment	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	
Social environme	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	
cial e	16	HIV/AIDS Labour	Construction	from contractor Confirmation of	2 Location (camp site in	2 times / year	500,000	0	500,000	0	500,000	"Building And Other Construction Workers (Regulation	
So		Environment	worker's condition	safety devices and conditions via interviews	Sewri and Shivaji Nagar) for Package II		·					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		Package II	4 Times / Year	400,000	0	400,000	0	400,000	Any accidents are not caused by construction	
				Total	<u> </u> -	l	8140500	325,354,000	12,000,000	2,211,500	339,565,500		

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

Monitoring Period - July to September 2019

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 perameters in EMoP are covered.

tachment						Monitoring Period - July to September 2019								
Environ	mental 1	Monitoring durin	g Construction for 4.5	years										
								Monitoring Result				Remark		
Area	No.	Item	Parameter	Location	Frequency a year	Item and Stanadard	Location 1- Pkg 1	Location 2- Pkg 2	Location 3- I	Pkg 3	Location 4	- reasons why the data is exceeding standard - counter measures when the data is exceeding		
				1. Sewri & Sewri bay area for package I	Quarterly monitoring ia conducted at all locations	National Ambient Air Quality Standards (NAAQS)	Sewri	Shivaji Nagar	Chirle					
	1	Air pollution	SO ₂ , NO ₂ , PM ₁₀ , PM _{2.5}	2. Nhava temporary bridge & casting yard in	4 Times / Year	(Standard for 24hrs: Industrial and Residential)								
				3. Gavhan & Chirle for	From march -2019	1. SO ₂ : 80μg/m ³	BDL (DL =5)	BDL				BDL- Below Detectable Limit		
				package III	onwards monitoring is	2. NO ₂ : 80μg/m ³	16	16	1					
					conducted quarterly as per MOEF and CPCB	3. PM ₁₀ : 100µg/m ³	62	55	Refer to Ren	narks		As per amended EMoP (Ref: L&T/ MMRDA/M		
					norms	4. PM _{2.5} : 60µg/m ³	17	15	†			P3/0241 dated 30 11 2018) After March Pkg -03 Quarterly monitoring has been cancelled d		
F						5.CO:02mg/m3	1.2					monsoon as per GC instruction		
F						6.VOCs	1.4		1			+		
				Sewri & Sewri bay area for package I	Quarterly	Marine water quality Standards – Class SW-IV Harbour Waters (MPCB)	Zone I	Zone II	Zone III	I				
	2	Water pollution	pH, BOD, DO, Turbidity	2. Nhava temporary bridge & casting yard in Gayhan for package II	4 Times / Year	1. pH : 6.5-9	7.7	6.9						
	-	- area ponution	and O&G	3. Gavhan & Chirle for	Not applicable	2. DO: 3 mg/l	5.8	3.5						
				package III		3. Turbidity: 30 NTU	76	8.7				NOT applicable For MTHL Package-03		
						4. BOD: 5 mg/l	3.3	BDL				NOT applicable For MTHL Fackage-05		
						5. O & G: 10 mg/l	BDL (DL =2)	1						
						6.COD	22							
				Sewri & Sewri bay area for package I	Daily	Municipal Soild Waste Management Rules, 2013	Sewri Camp Site	Shivaji Nagar Camp Site	Chirle Camp	p Site				
		Waste		2. Nhava temporary bridge & casting yard in Gavhan for package II	4 Times / Year	Generated waste soil (t) total	14168 m3	Total 1200 CuM Collected in jumbo bags and Disposed off in EBB Location and Casting Yard						
	3		Volume of waste soil, cutting tree and domestic garbage	3. Gavhan & Chirle for package III	Once site clearing work/execution part of work start.	Generated cutting treel (ha) total	Tree cutting proposal has been submitted and approval from MCGM is awaited. Tree Cutting so far NIL	<u>.</u>						
						Generated domestic waste (t/month) total	2.85 T/quarter. It is disposed through MCGM daily.							
						Confirmation of adequate disposal (visualt survey)	Yes							
				1. Sewri & Sewri bay area for package I	1. Muck: 1 Time / Year 2. Sediments: 4 Times / Year	Soil Pollution Standard in India (MOEF)			N/A					
				2. Nhava temporary		1. Cadmium: 0.01mg/l		BDL						
				hridge & casting vard in 3. Gavhan & Chirle for		2. total cyanide : not detected		BDL						
				package III	take place from chemical,	3. organic phosphorus: not detected		BDL						
Pollution					*One time grab sample to be collected during Bridge Construction *Pre & Post Monsoon at			0.16	Refer to Remark			Frequency is Once in a year.If any minor or mincident has not occure at storage area.		
Po					Storage area only	5. chromium (VI): 0.05mg/l		BDL						
						6. arsenic: 0.01mg/l or 15mg/kg (agri-land soil)		BDL						
						7. total mercury: 0.005mg/l		BDL						
		6.7				8. alkyl mercury: not detected						entation, some items shall be selected from the		
		Soil Contamination/sedin	Heavy Metals & Oil &			9. PCBs: not detected 10. copper: 125mg/kg (only paddy field soil)						ed Design. Only the selected items shall be repo eleted from this form.		
	4	[Contamination/segin		I		10. copper: 125mg/kg (only paddy field soil) 11. dichloromethane: 0.02mg/l		BDL		I and the rest 0	r itemis small be de	licited Holli tills folilli.		
	4	entation	Grease				+	BDL						
	4	1	Grease			12. carbon tetrachloride: 0.002mg/l		BDL						
	4	1	Grease					BDL						
	4	1	Grease			12. carbon tetrachloride: 0.002mg/l 13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l								
	4	1	Grease			13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l 15. cis-1,2-dichloroethylene: 0.04mg/l		BDL						
	4	1	Grease			13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l 15. cis-1,2-dichloroethylene: 0.04mg/l 16. 1,1,1-trichloroethane: 1mg/l		BDL BDL BDL BDL						
	4	1	Grease			13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l 15. cis-1,2-dichloroethylene: 0.04mg/l 16. 1,1,1-trichloroethane: 1mg/l 17. 1,1,2-trichloroethane: 0.006 mg/l		BDL BDL BDL BDL BDL						
	4	1	Grease			13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l 15. cis-1,2-dichloroethylene: 0.04mg/l 16. 1,1,1-trichloroethane: 1mg/l 17. 1,1,2-trichloroethane: 0.006 mg/l 18. trichloroethylene: 0.03mg/l		BDL BDL BDL BDL BDL BDL BDL						
	4	1	Grease			13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l 15. cis-1,2-dichloroethylene: 0.04mg/l 16. 1,1,1-trichloroethane: 1mg/l 17. 1,1,2-trichloroethane: 0.006 mg/l 18. trichloroethylene: 0.03mg/l 19. tetrachloroethylene: 0.01mg/l		BDL BDL BDL BDL BDL BDL BDL BDL						
	4	1	Grease			13. 1,2-dichloroethane: 0.004mg/l 14. 1,1-dichloroethylene: 0.02mg/l 15. cis-1,2-dichloroethylene: 0.04mg/l 16. 1,1,1-trichloroethane: 1mg/l 17. 1,1,2-trichloroethane: 0.006 mg/l 18. trichloroethylene: 0.03mg/l		BDL BDL BDL BDL BDL BDL BDL						

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

Tree and

Monitoring Period - July to September 2019

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 perameters in EMOP are covered.

Attachment 2-4

1. Environmental Monitoring during Construction for 4.5 years 23. thiobencarb: 0.02mg/l BDL BDL 24. benzene: 0.01mg/l 25. selenium: 0.01mg/1 BDL 1. Sewri & Sewri bay Fortnightly Construction area Standard 85 dB(A) daytime Sea Section (ST5000-5500) area for package I (Japan standard) Shivaji Nagar Sewri (ST 200-500)(Industrial area) Migratory Bird Area Not constuction area: Ambient Noise Standard in (Commercial area) (no standard on sea section) India (dB(A) Laeq) Noise Monitroing not conducted due to 2. Nhava temporary 2 Times / Year Day time: 6-22 hr (continious) dB(A) 74.8 63.8 September month report. 3. Gavhan & Chirle for Fortnightly Night time: 22-6 hr (continious) dB(A) 71.4 62 package III (only sea section) Day time: 6-22 hr (10 min during 9-17 hrs) Ambient and road side Night time: 22-6 hr (10 min 22-24 hr) noise (dB(A)LAeq) Note (standard values in Not construction area) 1.Industrial Area Day Time: 75 (6-22hr) Night Time: 70 (22-6hr) Noise and vibration 2.Commercial Area: Day Time: 65 (6-22hr) Night Time: 55 (22-6hr) 1 Location Gavan area Half yearly Construction area Standard 75 dB daytime (Japan Shivaji Nagar for package III standard) Sewri (ST 200-500)(Industrial area) Chirle Not constuction area: Vibration Standard (Japan (Commercial area) Standard along the road)
Day time: 6-22 hr (continious) Not Applicable Refer to Remark Frequency: once in 6 month Vibration (April-19 report), Next monitoring will be on Night time: 22-6 hr (continious) Refer to Remark OCTOBER month shall be converted from nm/s to dB Note (standard values in Not construction area) Regarding protected area (CRZ and Important Bird Area) and ecosystem, detailed long-1. Commercial /Industrial Area term monitoring plan will be established during baseline survay of birds. This tentative Day Time: 70 (7-20hr) monitoring form shall be updated based on the detailed long-term monitoring plan. Night Time: 65 (20-7hr) Along MTHL alignment Quarterly Mangrove Replantation area and mangrove replant Standard is not existing, but quantity and quality Sea Section Shivaji Nagar side during the Sewri side(ST500-5500) appointed by State area for Package I construction should not be worsen (ST5500-16000) (app. ST16000-19000) Government Along MTHI and replant 4 Times / Year alignment 1-1. Fauna-Flora (number of species and quantity mangrove area for package II (1) Number of species of bird (2) Number of species of fish (3) Estimated number of Flamingo 1.Monitoring of mudflat conditions including fauna-1-2: Mangrove density and community survey not required 2. Monitoring of Cutting

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

Monitoring Period - July to September 2019

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 perameters in EMoP are covered.

Attachmer		Monitoring durin	Construction for 15	*******		Monitor	ing Period - July to September 2019		-		
i. Enviro	nmentai i	vionitoring durin	Construction for 4.5	years				I	-	1	
			replantation/transplation			(1) Number of species of mangorve		not required			
			area 3.Monitoring of Mangrove			(2) Density of mangrove (xx trees/10m x 10m)		not required			-
			Plantation area appointed			1-3: Benthos Survey		not required			
		B 14	by MoEF			(1) Number of species and quantity by species		not required			
	6	Protected Area	4. Monitoring of sedimentation soil and ecological parameter (25 items on EIA main text Table 6.1.15 for soil and 7 items such as 1)Net primary productivity,			2-1: Cutting tree confirmation	Tree cutting proposal has been submitted and approval from MCGM is awaited. Tree Cutting NIL			Tree cutting Nil	Package -03. Got forest department approval for cutting and land for compansatory plantation. Further CIDCO area tree cutting proposal has been submitted for approval from CIDCO is awaited. Tree Cutting so far NIL. CIDCO need to be award/ premit for further activity.
667			2)Chlorophyll-a, 3)Phosphate, 4)Nitrate, 5)Nitrite, 6)Particulate Organic Carbon, 7) SiO2)			(1) Number of cutting tree and species		not required			Need to cut 326 trees (75 forest trees and 251 CIDCO trres). Awaiting CIDCO permission. Compansetory land has approved by forest dept. Total 877 no's need to plant on forest land as compansetory plantation.
						3-1: Mangrove survey in the replant area		not required			
						(1) Number of species of mangorve		not required			
						(2) Density of mangrove (xx trees/10m x 10m)		not required			
						4. Ecologial Parameter					
						(1) Net primary Productivity : <1,500 mgC/m3/day at	667				
						surface					
						(2) Chlorophyll-a: <4mg/m3	3				
						(3) Phosphate: 0.1-90μg/l	14.4				
						(4) Nitrate: 1.0-500μg/l	47				
						(5) Nitrite: <125μg/l					
						(6) Particulate Organic Carbon: 10-100mg/m ³					
		Ecosystem				(7) SiO2: 10-5,000μg/l	193				
	7	Hydrology	Flooding situation	Not applicable for Package I		Criteria for evaluation Project activities and structures does not cause flooding and impacts on tidal conditions	Sewri	Shivaji Nagar			
	,	Try at ology	rioding struction	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 Inter		Criteria for evaluation Embankment shall be stabilized without any landslide and cracks	Shivaji Nagar	Shivaji Nagar Camp Site	Chirle		
	8	Topography and Geology	Conditions in embankment area	Change in Shivaji Nagar and 2 Cutting area at toll gate in Chirle)	4 times / year x 4.5 years	Monitoring of embankment		125-150			
	9	Local conflict of	Construction worker's	2 Locations (major camp site in Sewri and Shivaji	4 times / year x 4.5 years	Criteria for evaluation Employment opportunity shall be provided fairly	Sewri Camp Site	Shivaji Nagar Camp Site	Chirle		
		interests	township	Nagar)		Number of hired workers by community		Health Checks carried out but			
						Criteria for evaluation Infection disease rate shall not be caused by the project	Sewri Camp Site	HIV/AIDS parameter is not there. Shivaji Nagar Camp Site			
	10	Infectious diseases such as HIV/AIDS	Number of infected patient	2 Locations (major camp site in Sewri and Shivaji Nagar)	4 times / year x 4.5 years	Confirmation of health check record and inspect project site	72 sub contrcator workers benefitted by "Preventive Health Screening & Malaria/Dengue Awareness Camp" on 13th September 2019. 640 sub contractor workers were benefitted by "Safety & essential Kit Distribution Camp" under "Building & other Construction Worker Welfare Board".	Conforming with BOCW Act 1996			
	11	Labour Environment	Construction worker's cond	2 Locations (major camp tisite in Sewri and Shivaji Nagar)	2 times / year x 4.5 years	Criteria for evaluation "Building And Other Construction Workers (Regulation of Employment 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"	Sewri Camp Site	Shivaji Nagar Camp Site	Gavan Camp site		
				2 Landing (a)		Site Visual Inspection	All provisions as per BOCW	Conforming with BOCW Act 1996	Conforming with BOCW Ac 1996 as per IM -26A checklist	t	
ner	12	Accident	Number of accidents	2 Locations (major camp site in Sewri and Shivaji		Criteria for evaluation Any accidents are not caused by construction	Sewri Camp Site	Shivaji Nagar Camp Site	Other area		
Othe	12	Accident	ivanioei oi accidents	Nagar)	4 times / year x 4.5 years	Number of recorded accident	NIL	NIL	Nil	1	\dashv
	L	L	I	i ragai j	1	rvamoer of recorded accident	I'IL	INIL	INII	1	

MTHL Land Acquisition Status (Attachment 2-6):

Total land required on Navi Mumbai side- 108.09 ha Land in possession in MMRDA – 101.99 ha Balance land acquisition- 6.10 ha

Note: The acquisition of 6.10 ha is in progress by CIDCO. The balance acquisition would be likely completed by the end of December 2019.

	Required I ha	Land Acquired in ha		Balance Land to be acquired in ha	Anticipated date for Land Acquisition	Payment status (Payment made to Land Owners by CIDCO)	Remarks
Govt.	Private	Govt.	Private	Private*			
98.75	9.34	98.75	3.24	6.10	31/12/2019		1. The payment status to the land owners is awaited from CIDCO. The same would be communicated to JICA on receipt of the same.
	otal 8.09	98.75	3.24	6.10			

*Portions of Private Land

Sr. No.	Name of Village	Area (Hectare)	Acquired	Non-acquired
1	Gavhan	0.15	-	0.15
2	Jasai	8.72	3.24	5.48
3	Chirle	0.47	-	0.47
	Total Area	9.34	3.24	6.10

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

1. General Information

a. RAP Implementation Monitoring Results: Progress Status Report (PSR) of 3rd quarter of 2019
 b. Date of Preparing This form 30.09.2019
 c. Person Preparing This form 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)	297 Hhs	Titleholders: 0 Hhs
		Non-titleholders: 297 Hhs
Total PAPs	1,282 persons*	Titleholders: 0 persons
		Non-titleholders: 1,282 persons*
PAHs who need relocation (as residents)	231 Hhs	Titleholders: 0 persons
		Non-titleholders:231 (1,088 persons) *
PAPs who do not need relocation (as residents)	0 persons	Titleholders: 0 persons
		Non-titleholders: 0 persons
Commercial PAPs who need relocation	66	Titleholders: 0 persons
	(194 persons) *	Non-titleholders:66 (194 persons) *
Commercial PAPs who do not need relocation	0 persons	Titleholders: 0 persons
		Non-titleholders: 0 persons

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

2.2 Structures

Structures	Residential: 231
	Commercial: 65
	Residential + Commercial: 1 (counted in Commercial)
	Community: 9 (Religious Properties 6, Public Toilets 3)
	Government: 16 (MbPT Structures 9, Occupants of Leased Plots 6 & Police Chowky1)
	Total: 322

2.3 Fishery

Categories of Fisher-folks	Identifi	ed Number	Total	Remarks
	Mumbai side	Navi Mumbai side		
C1: Fishing stakes and nets in	217	Survey in progress	217	Nil
RoW (250 m.)	For Trombay,			
	Sewri & Mahul in			
	process of			
	approval			
C2: Fishing Stakes and Nets	749	126	875	Scrutiny of the balance
within 500 m. of RoW (Southern				applications is in
side)				progress.
C3: Hand-pickers	416	1273	1689	

C4: Commercial and Artisanal	Will be observed	Will be observed	 Nil
Fisher-folks	during	during construction	
(Loss of Time and Increased	construction	period	
Operating Costs)	period		
C5: Fisher-folks with Loss due to	Will be observed	Will be observed	 Nil
Turbidity	during	during construction	
	construction	period	
	period		
C6: Fisher-folks with Damages	Will be observed	Will be observed	 Nil
due to Accidents	during	during construction	
	construction	period	
	period		

2.4 Land Acquisition / Transfer

Location	Land Red H	•	Land Acq	uired in Ha.	Balance Land to be acquired in Ha	Remarks
	Govt.	Private	Govt.	Private		
Sewri	10.089	0	10.089	0	0	
Navi Mumbai	98.75	9.34	98.75	3.24	6.10	
Total	118.	179	108.839	3.24	6.10	

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
Resettlement	No. of Residential PAHs provided with Allotment Letters of Alternate Tenements	231	141	0	141	32%	
	No. of Residential PAHs given possession of Alternate Tenements	231	77	47	124	54%	
	No. of Commercial/R+C PAPs provided with Allotment Letters of Alternate Shops/Tenements	66	20	0	20	30%	
	No. of Commercial R+C PAPs given possession of Alternate Shops/Tenements	66	1	19	20	30%	

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 Occupants of MbPT Leased Plots provided Compensation	6	3	2	5	84%	
	No. of Religious properties Relocated / Removed	6	0	0	0	0%	Jivdani Mandir allotment letter given
	No. of Other Community properties Relocated / Removed	4	0	0	0	0%	
	No. of Structures in possession of MbPT Dismantled / Cleared	9	0	0	0	0%	
	No. of PAHs/PAPs provided Shifting Charges / Arrangement	297	0	0	0	0%	
Rehabilitation	No. of PAHs / PAPs identified for Livelihood Support in Post Resettlement Assessment						
	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					
redress	No. of Grievances Disposed by FLGRC	0					
	No. of Grievances Received by SLGRC	0					
	No. of Grievances Disposed by SLGRC	0					
Post Resettlement	No. of CHSs Registration helped						
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 Total Target (%)	Remarks, If Any
	No. of CHSs' Office Bearers provided training						

3.2 Fishery Compensation

Categories of Fisher-folks	Identifi	ed Number	Total	Remarks
	Mumbai side	Navi Mumbai side		
C1: Fishing stakes and nets in	217	Survey in progress	217	Nil
RoW (250 m.)	For Trombay,			
	Sewri & Mahul in			
	process of			
	approval			
C2: Fishing Stakes and Nets	749	126	875	An amount of about 49 crores has been
within 500 m. of RoW (Southern				deposited with the
side)				Fisheries Department towards disbursement of
C3: Hand-pickers	416	1273	1689	compensation to 2564 Nos. of beneficiaries.
				Further, the Fisheries Department has started disbursing the amount to the individual PAPs on following due procedure.
				The scrutiny of the balance Nos. of applications of fisherfolk is in the process of scrutiny for deciding their eligibility for the compensation.
C4: Commercial and Artisanal	Will be observed	Will be observed		Nil
Fisher-folks	during	during construction		
(Loss of Time and Increased	construction	period		
Operating Costs)	period			
C5: Fisher-folks with Loss due to	Will be observed	Will be observed		Nil
Turbidity	during	during construction		
	construction	period		
	period			
C6: Fisher-folks with Damages	Will be observed	Will be observed		Nil
due to Accidents	during	during construction		
	construction	period		
	period			

List as per C2 & C3 category

Sr. No	Village name	Total No of family units surveyed	No of eligible family units		
110		Mumbai side	units		
		Transmi side			
1.	Mahul & Sewri	336	336		
2.	Trombay	829	829		
	Total Mumbai side	1165	1165		
		Navi Mumbai side			
3.	Bamandongri	235	25		
4.	Belpada	484	329		
5.	Ganeshpuri	25	50		
6.	Jasai	26	18		
7.	Gavhan	5	4		
8.	Morave	190	83		
9.	Kopar	548	228		
10.	Mora	70	1		
11.	Uran	65	0		
12.	Jawale	232	1		
13.	Shelghar	1	15		
14.	Shivaji Nagar	2	64		
15.	Ulwe	29	14		
16.	Vahal	119	3		
17.	Navakhadi	673	326		
18.	Moha	222	146		
	Kombadbhuja	134	92		
T	otal Navi Mumbai side	3060	1399		
(Mu	Total mbai side + Navi Mumbai side)	4225	2564		

Note: MMRDA has received *16,281* new applications from Fishing families which are yet to be scrutinized. Note: The category of fishermen is as per the Fishermen Compensation Policy

Grievance Redressal Committee (GRC) for Fisher-folk Compensation

No. of Cases refe	rred	No. of Cases	No. of Cases	No. of Cases
to GRC			Rejected	under Consideration
	Allow	ed Compensation	Paid	
Nil	Nil	Nil	Nil	Nil

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

A. Implementation Schedule for Fisher-folks Compensation: -

Sr. No.	Task Designation	Approving authority	Start Date	Completion Date
1	Approval of fisher-folks'	Fisher-folks Compensation	08-10-2015	23-12-2015
	compensation Policy	Committee (FCC)		
2	Approval by MMRDA	MMRDA	10-12-2015	23-12-2015
3	Submission to JICA	MMRDA		04-01-2016
4	Detailed list of PAP and	Detailed list of Fisher-folk	23-12-2015	1. Total up to date applications scrutinized = 5881
	compensation plan	PAP & disbursement is		nos
		finalized by the Fisheries		2. Eligible = 2564 nos
		Department.		3. In-eligible = 06 nos
				4. In process of approval = 2043 nos
				5. Documents awaited = 1268 nos
5	Validation of compensation plan	Fisher-folks Compensation	23-12-2015	1. Approval to the Fisher-folk PAP list obtained
		Committee (FCC)		from Fisheries Department for Fisherfolk from
				Sewri, Mahul & Trombay (Mumbai side) – 12 th
				September 2017 and 20 th November 2018 for
				C-2 & C3 Category only.

Sr. No.	Task Designation	Approving authority	Start Date	Completion 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 25 th April 2018.
				3. Validation of compensation is in progress and
				would be completed in phases.
6	Approval of compensation plan	FCC	23-11-2015	28-12-2017
7	Approval by MMRDA	MMRDA	23-11-2015	09-03-2018

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

Land Required in Ha.		Ha.		Balance Land to be acquired in Ha	Anticipated date for Land Acquisition	Payment status (Payment made to Landowners by CIDCO)	Remarks
Govt.	Private	Govt.	Private	Private			
98.75	9.34	98.75	3.24	6.10	31/08/2019		1. CIDCO is the land acquisition authority for land acquisition for Navi Mumbai 2. MMRDA has paid an amount of INR 59.16 Cr to CIDCO as per their demand. 3. The payment status to the landowners is awaited from CIDCO. The same would be communicated to JICA on receipt of the same.
Total	108.09	10	1.99	6.10			

Implementation Schedule for SIA (Sewri Section)

Task	Task Designation	Start Date	Completion /
No.	Taok Doolgilation	Otal t Buto	Forecast Date
1	Preparation of Final SIA		
1.1	MMRDA Approval	October 2015	January 2016
1.2	JICA Approval	November 2015	January 2016
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	March 2020
2.3	Staff Deployment Public Relation	June 2016	June 2016
2.4	Hiring of Independent Evaluation Agency	November 2018	September 2019
2.5	Preparation and issue of allotment letters to	June 2018	December 2019
2.6	Notice of PAPs for shifting (Sewri Section)	December 2018	December 2019
2.7	Allotment of dwelling units to PAP's	September 2016	December 2019
2.8	Shifting of PAPs to resettlement Colony	December 2018	December 2019
2.9	Transfer of compensation / allowance/ assistance to PAPs	December 2018	December 2019
2.10	Creation of Community Revolving fund (within 3 months post handing over)	April 2019	March 2020
2.11	Assessment of economic rehabilitation needs by individual household (within	0 1 1 0010	
	6 months after handing over	September 2019	June 2020
2.12	Registration of Co-operative housing societies, transfer of maintenance	December 2019	September 2020
	funds. (6 months period)	December 2019	September 2020
2.13	Signing of Civil Contract		January 2017
2.14	Notice of Civil works to proceed		March 2017
3	Monitoring & Evaluation		
3.1	Internal Monitoring- Monthly/ Quarterly	June 2016	January 2020
3.2	Independent Evaluation Mid-term and End term evaluation		
	Mid Term	May 2019	Nov. 2019
	End Term	November 2019	January 2020

Mumba	i Trans Ha	arbour Link	Project -	Quarterl	y Progress	Report N	lo. 10 (Ju	ıl–Sep 2019)
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	Allac	mment	3- JIC	ASU	Joneur	rence	Statt	15

Status of JICA'S Concurrence

			Bid C	ost		JICA's Concurrence on							
SI No		Procurement procedure	Local Currency (Cr Rs.)	Total (Cr Rs)	PQ Documents	PQ Evaluation	Bid Documents	Technical Evaluation	Financial Evaluation	Contract			
1.	Package-1 (CH 0+000 km to CH10+380 km)	ICB with PQ (2P)	7637.30	7637.30	JICA's Concurrence - 9th May 2016	JICA's Concurrence - 22 nd Dec 2016	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 12 th Sep 2017	JICA's Concurrence - 12 th Oct 2017	JICA's Concurrence – 15 th Feb 2018			
2.	Package-2 (CH 10+380 km to CH18+187 km)	ICB with PQ (2P)	5612.61	5612.61	JICA's Concurrence - 9 th May 2016	JICA's Concurrence - 22 nd Dec 2016	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 12 th Sep 2017	JICA's Concurrence - 12 th Oct 2017	JICA's Concurrence – 15 th Feb 2018			
3.	Package-3 (CH18+187 to CH21+800)	ICB with PQ (2P)	1013.79	1013.79	JICA's Concurrence - 9 th May 2016	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 4 th Jan 2017	JICA's Concurrence - 15 th Sep 2017	JICA's Concurrence - 12 th Oct 2017	JICA's Concurrence – 15 th Feb 2018			
4.	Package-4 Intelligent Transport System	ICB with PQ (2P)	181.49	181.49	JICA's Concurrence - 19 th August 2019	-	-	-	-	-			

Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 10 (Jul–Sep 2019
mullibal Trans Harbour Ellik Froject - Quarterly Frogress Nepolt No. 10 (Jul-Sep 2013
Attachment 4- Project Procurement and Financial
Status till 30 th September 2019
Status till 30 September 2019

PROJECT PROCUREMENT AND FINANCIAL STATUS TILL 30th SEPTEMBER 2019

Туре	Contract	Awarded or Estimated Value (in Rs. Crore)	Current Status	Contractors	Project Commencement Date	Stipulated Project Completion Date	% of Overall Project completion (Design/ Procurement/ Construction) up to 25th September 2019	% of Overall Financial Progress (Including Mobilization Advance & Price Adjustment) till 30th September 2019
CIVIL	Package-1 (CH 0+000 km to CH 10+380 km)	7637.30	Awarded	L&T-IHI Consortium	March 2018	Sep 2022	14.15%	23.56%
	Package-2 (CH 10+380 km to CH18+187 km)	5612.61	Awarded	DAEWOO- TPL JV	March 2018	Sep 2022	12.38%	22.33%
	Package-3 (CH18+187 to CH21+800)	1013.79	Awarded	L&T	March 2018	Sep 2021	8.37%	19.53%
	Package-4 Intelligent Transport System	181.49 (Estimated)	Design Stage		Jul 2020 (Estimated)	Sep 2022	NA	NA





Photo No. 1: Pier Reinforcement at MP-17 N is in progress



Photo No. 2: Pier cap shuttering work at MP-06 N is in progress



Photo No. 3: Pier Cap reinforcement work at MP 06 N is in progress



Photo No. 4: Pier cap reinforcement work at MP 06 N is in progress

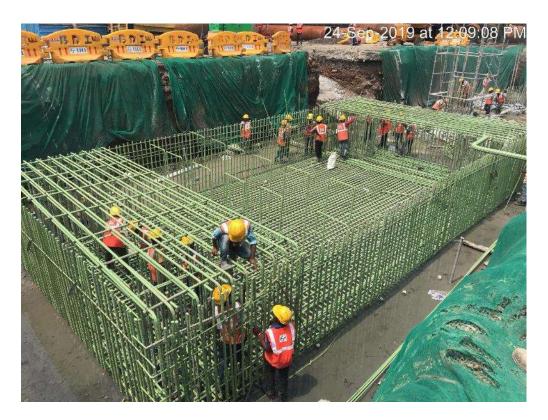


Photo No. 5: Pile Cap reinforcement work at BP 50 Interchange location is in progress



Photo No. 6: Reinforcement work for Pier at the interchange location is in progress



Photo No. 7: Casting of Segment No. 82-83 NS3



Photo No. 8: Reinforcement Inspection at Zig of Segment 88-89 NS4 is in progress



Photo No. 9: Stacking of the segment in the casting yard

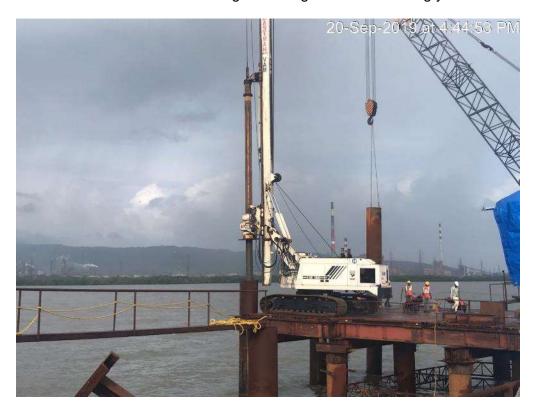


Photo No. 10: Pile Boring at Finger MP-25 is in progress



Photo No. 11: Core drilling at MP 19 location is in progress

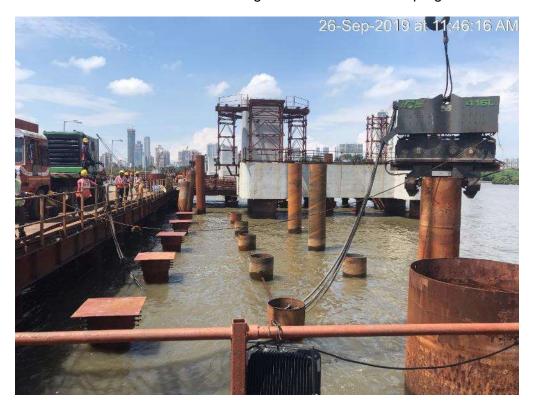


Photo No. 12: Preparation of Platform for LG erection at MP 10 is in progress





Photo No. 1: MMRDA officials visited the Pkg-2 site on 11th September 2019

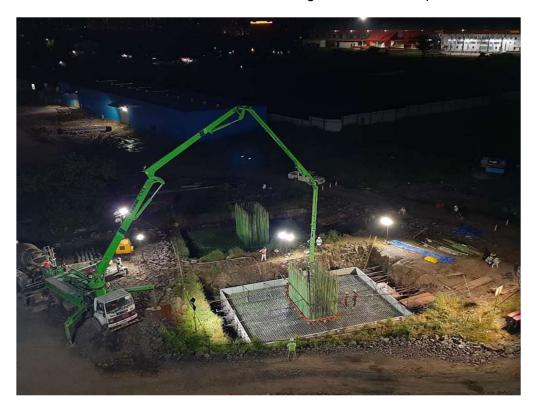


Photo No. 2: Open Foundation Concreting at MP 264 RHS in progress



Photo No. 3: Pile Cap Reinforcement Works at MP 238 RHS in progress



Photo No. 4: Pile Cap formwork at MP 238 RHS in progress



Photo No. 5: Pile Cap concreting at MP 238 RHS in progress



Photo No. 6: Preparatory works for Gantry Crane Load Test in progress



Photo No. 7: Pile Concreting at MP 158/04 RHS in progress



Photo No. 8: Pile Cap bottom formwork at MP 238 LHS in progress



Photo No. 9: Composite Slab formwork for Span 78 in progress



Photo No. 10: Open foundation Concreting at MP 266 RHS in progress



Photo No. 11: Pile Reinforcement Cage inspection at MP 239/01 LHS in progress



Photo No. 12: Liner driving in progress at MP 233 RHS in progress





Photo No. 1: Foundation casting at PMP 11 Chirle location is in progress



Photo No. 2: Pier casting at RMP 278 location is in progress



Photo No. 3: Foundation casting at JMP 13 Chirle location is in progress

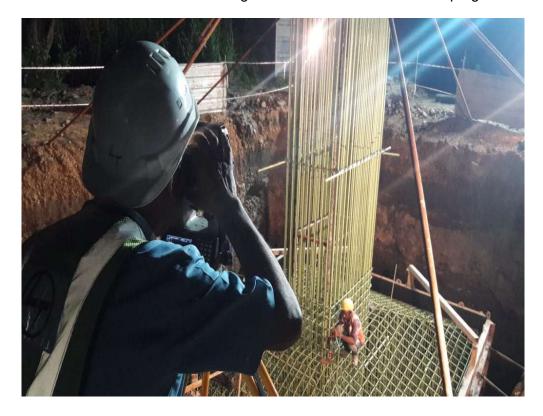


Photo No. 4: Survey for Pre-pour checking at PMP 07 in progress



Photo No. 5: OGL Survey at LP02 RHS location is in progress



Photo No. 6: At-Grade area Access Road at CH 20+020 location



Photo No. 7: Excavation at At-Grade area at CH 19+750 is in progress



Photo No. 8: Charging for blasting works at Ch 19+800 location is ongoing



Photo No. 9: Excavated material shifting at At-grade area Ch @ 19+720 is in progress



Photo No. 10: First precast Segment Casting Ceremony at the Pkg-3 Precast yard dated 11th Sept. 2019

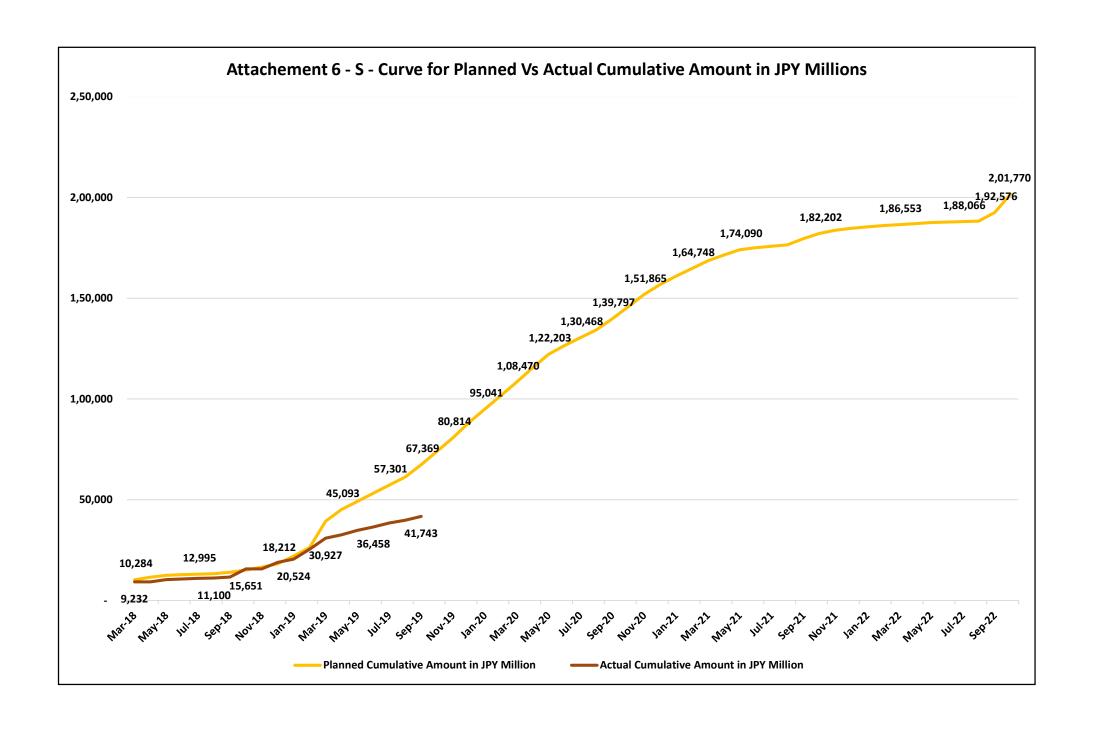


Photo No. 11: Casting Yard establishment at the Pkg-3 site



Photo No. 12: Employer's Office construction works in progress

Mumba	i Trans	Harbour	Link Project	- Quarterly	Progress	Report No.	10 (Jul-Sep 2	019)
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		AC	tual Am	ount in	JPY	Willion		



Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 10 (Jul-Sep 2019)
Attachment 7- Package-1's Construction Programme
Updated as on 25 th September 2019
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AECOM PADECO dar al-handasah

General Consultant for Mumbai Trans Harbour Link Project

Activity ID	Activity Name	BL1 Duration	BL1 Start	BL1 Finish	Original Start Duration	Finish	Schedule % Complete	Performance % Complete	Variance - BL Project Start Date	Variance - BL Project Finish Date	Total Float
MPR18 MTHL P1 - Sep'1	9 Month Progress	1062	23-Mar-18	22-Sep-22	1501 23-Mar-18 A	29-Jun-23	22.85%	14.15%	0	-235	-236
MPR18.1 Mumbai Trans		1062	23-Mar-18	22-Sep-22	1501 23-Mar-18 A	29-Jun-23	22.85%	14.15%	0	-235	-236
	Commencement Date		23-Mar-18		0 23-Mar-18 A		100%	100%	0	0	
MPR18.1.1 Key Milestone			19-Sep-18	22-Sep-22	1558 15-Feb-19 A	29-Jun-23	0%	0%	-148	-279	-280
MPR18.1.2 Contractual In	terface	1243	09-Oct-18	05-Mar-22	1243 09-Oct-18 A	05-Mar-22	0%	0%	0	0	200
MPR18.1.3 Access to Site	}	165	23-Mar-18	03-Sep-18	165 23-Mar-18 A	25-Sep-19	0%	0%	0	-386	-235
MPR18.1.4 Document Sul	bmittals	180	23-Mar-18	18-Sep-18	180 23-Mar-18 A	21-Oct-19	0%	0%	0	-398	-307
MPR18.1.5 Survey		73	23-Mar-18	03-Jun-18	73 23-Mar-18 A	03-Jun-18 A	0%	0%	0	0	
MPR18.1.6 Geotechnical	Investigation	165	23-Mar-18	03-Sep-18	165 23-Mar-18 A	23-Jul-19 A	0%	0%	0	-322	
MPR18.1.6.1 Phase 1		60	23-Mar-18	21-May-18	60 23-Mar-18 A	21-May-18 A	0%	0%	0	0	
MPR18.1.6.2 Phase 2		25	22-May-18	15-Jun-18	25 22-May-18 A	15-Jun-18 A	0%	0%	0	0	
MPR18.1.6.3 Phase 3		50	16-Jun-18	04-Aug-18	50 16-Jun-18 A	30-Dec-18 A	0%	0%	0	-147	
MPR18.1.6.4 Phase 4		45	21-Jul-18	03-Sep-18	45 05-Oct-18 A	23-Jul-19 A	0%	0%	-76	-322	
MPR18.1.7 Infrasturcture		188	23-Mar-18	05-Feb-19	355 23-Mar-18 A	22-Nov-19	0%	0%	0	-164	709
MPR18.1.7.1 Project Si	te Office Construction (Contractor + Employer + GC)	120	04-Apr-18	27-Nov-18	120 04-Apr-18 A	25-Nov-18 A	0%	0%	0	2	
MPR18.1.7.2 Casting Y	ard ard	164	20-Apr-18	05-Feb-19	355 20-Apr-18 A	22-Nov-19	0%	0%	0	-164	-55
MPR18.1.7.3 Fabrication	on Yard	133	23-Mar-18	30-Nov-18	133 23-Mar-18 A	26-Apr-19 A	0%	0%	0	-122	
MPR18.1.7.4 Rebar Yar		133	23-Mar-18	30-Nov-18	326 23-Mar-18 A	21-Oct-19	0%	0%	0	-193	-93
	Plant Installation - CP30 & CP60	164	20-Apr-18	05-Feb-19	164 08-Sep-18 A	08-Dec-18 A	0%	0%	-47	49	
MPR18.1.8 Procurement I			04-Apr-18	07-Sep-22		27-May-23	0%	0%	0		-247
	achinery Deployment Plan	1618	04-Apr-18	07-Sep-22		27-May-23	0%	0%	0	-261	-247
MPR18.1.8.1.1 P&M		1618	04-Apr-18	07-Sep-22	2088 04-Apr-18 A	27-May-23	0%	0%	0	-261	-247
MPR18.1.8.1.2 P&M			11-Jun-18	04-Sep-22	1950 11-Jun-18 A	04-Apr-23	0%	0%	0	-212	-195
MPR18.1.8.1.3 P&M			20-Oct-18	15-Mar-22	1422 19-Feb-19 A	10-Jan-23	0%	0%	-122	-301	-111
MPR18.1.8.4 Bulk Mate			01-Sep-18	13-Jul-22		21-Apr-23	0%	0%	0	-281	-282
MPR18.1.9 Design & Engi			23-Mar-18	21-Sep-19		31-Jul-20	0%	0%	0		-152
	sign (General & Preliminary Design, DBR)		23-Mar-18	09-Jun-18		29-Nov-18 A	0%	0%	0	-172	
MPR18.1.9.2 Finalization			23-Mar-18	18-Jun-18		10-Sep-18 A	0%	0%	0	-83	
	Design and Construction Design			21-Sep-19	525 01-May-18 A		0%	0%	0	-223	-152
MPR18.1.9.3.1 GIR	nu -		22-May-18	01-Oct-18		08-Oct-19	0%	0%	0	-372	-252
MPR18.1.9.3.2 Test F			01-May-18	15-Dec-18	 	29-Oct-19	0%	0%	0	-187	-129
	gn Phase -1 (Accelerated Design of Initial Items)		19-Jun-18	02-Nov-18	 	28-Sep-19	0%	0%	-8	-329	-295
MPR18.1.9.3.5 Desig	gn Phase -2 (Accelerated Design of Initial Items)		04-Jul-18	13-Dec-18	163 26-Jul-18 A	21-Oct-19	0%	0%	-22		-255
MPR18.1.9.3.6 Design			19-Jun-18 07-Jul-18	25-Jan-19 11-Feb-19	144 25-Aug-18 A 220 05-Oct-18 A	13-Nov-19	0%	0%	-67 00	-292 -300	-247
MPR18.1.9.3.7 Design			07-Jul-18	05-Mar-19	 	09-Dec-19 30-Dec-19	0% 0%	0%	-90 -165	-299	-232 -238
MPR18.1.9.3.8 Desig			26-Aug-18	03-Mar-19	 	20-Feb-20	0%	0%	-120	-322	-310
MPR18.1.9.3.9 Desig	-		26-Aug-18 26-Aug-18	24-May-19	 	07-Apr-20	0%	0%	-120	-322	-132
MPR18.1.9.3.10 Des	-		02-Oct-18	21-Sep-19	 	31-Jul-20	0%	0%	-129		-228
	neering & Material Procurement (OSD)		23-Mar-18	17-Feb-20		22-Nov-20	0%	0%	-129		-39
MPR18.1.10.1 Initial De			23-Mar-18	14-May-18		29-Nov-18 A	0%	0%	0		
MPR18.1.10.3 Aerodyna	<u> </u>			14-May-18		30-Jul-19 A	0%	0%	0		
MPR18.1.10.4 Technica	<u> </u>			21-Mar-19	643 15-May-18 A		0%	0%	0		-270
MITTOTT TOOTHIC		311	10 may 10	EE Mai 19	25 May 2071			- 070		273	270







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ty ID	Activity N	lame	BL1 Duration	BI 1 Start	BL1 Finish	Original Start	Finish	Schedule %	Performance %	Variance - BI	Variance - BL Project	Total Floa
						Duration		Complete	Complete	Project Start Date	Finish Date	
	1.10.4.1 OS01NS/S		150	15-May-18	11-Oct-18	150 15-May-18 A	09-Sep-19 A	0%	0%	0	-332	
	1.10.4.2 OS02NS/S		164	26-Jun-18	06-Dec-18	530 26-Jun-18 A	15-Oct-19	0%	0%	0	-313	-313
<u> </u>	1.10.4.3 OS03NS/S			14-Aug-18	24-Jan-19	552 04-Nov-18 A	25-Dec-19	0%	0%	-82		-279
	1.10.4.4 OS04NS/S			09-Oct-18	21-Mar-19	425 06-Feb-19 A	15-Oct-19	0%	0%	-120		-199
- I and	10.5 Construction D			12-Oct-18	20-Sep-19	805 02-Feb-19 A	25-Jun-20	0%	0%	-113		-192
	1.10.5.1 OS01NS/S			12-Oct-18	30-Apr-19	680 02-Feb-19 A	21-Feb-20	0%	0%	-113		-307
	1.10.5.2 OS02NS/S			07-Dec-18	25-Jul-19	231 16-Oct-19	02-Jun-20	0%	0%	-313		-31
<u> </u>	1.10.5.3 OS03NS/S			25-Jan-19	26-Jul-19	183 26-Dec-19	25-Jun-20	0%	0%	-335		-27
	1.10.5.4 OS04NS/S			22-Mar-19	20-Sep-19	183 16-Oct-19	15-Apr-20	0%	0%	-208		-12
	10.6 Material Procur			02-Mar-19	17-Feb-20	342 15-Mar-19 A	22-Nov-20	0%	0%	-13		-3
_	Tree Cutting and Tra	nspiantation		23-Mar-18	02-Nov-18	683 23-Mar-18 A	04-Feb-20	0%	0%	0		-36
	Utility Diversion			19-Jun-18	14-Jan-19	692 01-Oct-18 A	12-Feb-20	16.41%	0% 5.01%	-104		-{
MPR18.1.13	13.1 Sewri Interchar	go Soction		11-Jun-18	22-Jun-22 28-Feb-22	1247 11-Jun-18 A 1094 29-Mar-19 A	02-May-23 23-Jan-23	16.41%	5.81% 3.56%	121		-18
- Institute - Inst		ge Section :hnage - Work Front - 1		03-Nov-18				16.14%		-121 162		-10
		nterchange - Work Front - 1 - Piling		03-Nov-18 03-Nov-18	28-Feb-22 15-Dec-20	1093 18-May-19 A 710 18-May-19 A	21-Jan-23 22-Oct-21	16.78% 40.36%	2.67% 17.31%	-163 -163		-10
	PR18.1.13.1.1.1 Jewill			13-Apr-19	16-Sep-19	298 25-Jun-19 A	24-Apr-20	100%	58.33%	-53		-14
_	PR18.1.13.1.1.1.2 Pil			03-Nov-18	17-Oct-20	662 18-May-19 A	24-Apr-20 24-May-21	36.08%	13.33%	-163		-1 ²
	PR18.1.13.1.1.1.3 Pil			20-Oct-20	01-Dec-20	36 24-May-21	07-Oct-21	0%	13.33%	-103		-
	PR18.1.13.1.1.1.4 Pil	· · · · ·		02-Dec-20	15-Dec-20	12 07-Oct-21	22-Oct-21	0%	0%	-181		-:
		nterchange - Work Front - 1 -Pile Cap		19-Nov-18	24-Mar-21	765 21-Jun-19 A	19-Mar-22	29.26%	2.84%	-175		-4
		e Cap - Land Viaduct		25-Apr-19	15-Oct-19	106 06-Sep-19 A	13-Nov-20	74.07%	1.11%	-43		-20
	PR18.1.13.1.1.2.2 Pil			19-Nov-18	15-Jan-21	729 21-Jun-19 A	04-Feb-22	25.81%	3.39%	-175		-19
	PR18.1.13.1.1.2.3 Pil			07-Jan-21	27-Feb-21	75 18-Dec-21	19-Mar-22	0%	0%	-211		
	PR18.1.13.1.1.2.4 Pil			01-Mar-21	24-Mar-21	20 01-Feb-22	24-Feb-22	0%	0%	-203		-11
		nterchange - Work Front - 1 - Pier		12-Dec-18	20-May-21	578 21-Jan-20	16-Jun-22	18.45%	0%	-260		يـ
	PR18.1.13.1.1.3.1 Pic			29-May-19	30-Oct-19	52 25-Sep-20	27-Nov-20	38.89%	0%	-250		-19
	PR18.1.13.1.1.3.2 Pie		504	12-Dec-18	09-Feb-21	494 21-Jan-20	10-Mar-22	25.81%	0%	-260		-20
■ MP	PR18.1.13.1.1.3.3 Pie	er - Ramp E	96	27-Jan-21	20-May-21	96 23-Feb-22	16-Jun-22	0%	0%	-250	-250	-14
	PR18.1.13.1.1.3.4 Pie		83	23-Dec-20	01-Apr-21	83 25-Nov-21	05-Mar-22	0%	0%	-203	-203	
MPR1	18.1.13.1.1.4 Sewri I	nterchange - Work Front - 1 - Pier Cap	587	05-Jan-19	11-Jun-21	577 13-Feb-20	08-Jul-22	15.32%	0%	-260	-250	(
MP	PR18.1.13.1.1.4.1 Pie	er Cap - Land Viaduct	49	16-Sep-19	14-Nov-19	49 13-Oct-20	11-Dec-20	6.48%	0%	-250	-250	-19
MP	PR18.1.13.1.1.4.2 Pie	er Cap - Ramp A	499	05-Jan-19	26-Feb-21	489 13-Feb-20	28-Mar-22	25.16%	0%	-260	-250	-20
■ MP	PR18.1.13.1.1.4.3 Pie	er Cap - Ramp E	100	13-Feb-21	11-Jun-21	100 14-Mar-22	08-Jul-22	0%	0%	-250	-250	(
MP	PR18.1.13.1.1.4.4 Pie	er Cap - Ramp F	86	31-Dec-20	13-Apr-21	99 03-Dec-21	01-Apr-22	0%	0%	-203	-216	
MPR1	18.1.13.1.1.5 Sewri I	nterchange - Embankment Works - Ramp F	90	14-Apr-21	01-Nov-21	90 17-Mar-22	30-Jun-22	0%	0%	-203	-203	-
		nterchange - Work Front - 1 - Super Structure Erection	628	04-May-19	28-Feb-22	647 05-Jun-20	21-Jan-23	5.93%	0%	-256	-275	-23
MP	PR18.1.13.1.1.6.1 En	ection - Land Viaduct	96	19-Nov-19	11-Mar-20	96 15-Dec-20	09-Apr-21	0%	0%	-250	-250	-23
	PR18.1.13.1.1.6.2 En	·	486	04-May-19	09-Apr-21	482 05-Jun-20	07-May-22	10.45%	0%	-280	-276	-23
MP	PR18.1.13.1.1.6.3 En	ection - Ramp E	146	10-Apr-21	02-Dec-21	146 07-May-22	28-Oct-22	0%	0%	-276	-276	-23
	PR18.1.13.1.1.6.4 En	<u> </u>	52	28-Dec-21	28-Feb-22	52 22-Nov-22	21-Jan-23	0%	0%	-276	-276	-23
		change - Work Front - 2	765	03-Nov-18	11-Feb-22	1094 29-Mar-19 A	23-Jan-23	19.58%	5.44%	-121	-290	-21
MPR1	18.1.13.1.2.1 Sewri I	nterchange - Work Front - 2 - Piling	553	03-Nov-18	01-Mar-21	762 29-Mar-19 A	23-Dec-21	37.54%	26.96%	-121	-170	-12







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Activity ID	Activity Name	BL1 Duration BL1 Start	BL1 Finish	Original Start Duration	Finish	Schedule % Complete	Performance % Complete	Variance - BL Project Start Date	Variance - BL Project Finish Date	Total Float
	MPR18.1.13.1.2.1.1 Piling - Ramp C2	325 03-Nov-18	27-Feb-20	534 29-Mar-19 A	22-Dec-20	64.85%	75.59%	-121	-170	-124
	MPR18.1.13.1.2.1.2 Piling - Ramp C1	140 03-Apr-19	18-Dec-19	140 18-Mar-20	04-Dec-20	49.29%	0%	-215	-215	-124
	MPR18.1.13.1.2.1.3 Piling - Ramp B	84 21-Nov-20	01-Mar-21	84 12-Jun-21	23-Dec-21	0%	0%	-170	-170	-124
	MPR18.1.13.1.2.2 Sewri Interchange - Work Front - 2 - Pile Cap	591 19-Nov-18	29-Apr-21	811 05-May-19 A	22-Feb-22	25.86%	8.48%	-140	-170	-108
	MPR18.1.13.1.2.2.1 Pile Cap - Ramp C2	361 19-Nov-18	24-Apr-20	625 05-May-19 A	12-Apr-21	57.46%	38.35%	-140	-214	-126
	MPR18.1.13.1.2.2.2 Pile Cap - Ramp C1	172 12-Apr-19	04-Feb-20	172 27-Mar-20	21-Jan-21	32.67%	0%	-215	-215	-125
	➡ MPR18.1.13.1.2.2.3 Pile Cap - Ramp B	131 25-Nov-20	29-Apr-21	131 18-Sep-21	22-Feb-22	0%	0%	-170	-170	-108
	MPR18.1.13.1.2.3 Sewri Interchange - Work Front - 2 - Pier	589 12-Dec-18	21-May-21	487 04-Sep-19 A	16-Mar-22	23.53%	2%	-155	-170	13
	MPR18.1.13.1.2.3.1 Pier - Ramp C2	353 12-Dec-18	09-May-20	295 04-Sep-19 A	26-Apr-21	58.09%	5.99%	-155	-214	-126
	MPR18.1.13.1.2.3.2 Pier - Ramp C1	194 01-Apr-19	18-Feb-20	189 10-Sep-19 A	05-Feb-21	35.21%	2.55%	-64	-215	-113
	MPR18.1.13.1.2.3.3 Pier - Ramp B	248 25-Apr-20	21-May-21	204 12-Apr-21	16-Mar-22	0%	0%	-214	-170	13
	MPR18.1.13.1.2.4 Sewri Interchange - Work Front - 2 - Pier Cap	583 26-Dec-18	28-May-21	488 18-Feb-20	31-Mar-22	17.64%	0%	-272	-177	7
	MPR18.1.13.1.2.4.1 Pier Cap - Ramp C2	356 26-Dec-18	27-May-20	298 18-Feb-20	14-May-21	57.93%	0%	-272	-214	-126
	MPR18.1.13.1.2.4.2 Pier Cap - Ramp C1	198 18-Apr-19	12-Mar-20	190 11-Apr-20	27-Feb-21	20.28%	0%	-223	-215	-117
	МРК18.1.13.1.2.4.3 Pier Сар - Ramp В	235 19-May-20	28-May-21	201 30-Apr-21	31-Mar-22	0%	0%	-211	-177	7
	MPR18.1.13.1.2.5 Sewri Interchange - Embankment Works - Ramp C2	60 23-May-19	02-Nov-19	60 22-May-20	04-Nov-20	0%	0%	-228	-228	328
	MPR18.1.13.1.2.6 Sewri Interchange - Work Front - 2 - Super Structure erection	654 18-Mar-19	11-Feb-22	677 02-May-20	23-Jan-23	10.11%	0%	-267	-290	-218
	MPR18.1.13.1.2.6.1 Erection - Ramp C2	343 18-Mar-19	02-Nov-20	341 02-May-20	18-Dec-21	52.94%	0%	-267	-265	-193
	MPR18.1.13.1.2.6.2 Erection - Ramp C1	194 08-Oct-19	26-May-20	194 21-Nov-20	10-Sep-21	0%	0%	-291	-291	-219
	MPR18.1.13.1.2.6.3 Erection - Ramp B	316 28-Nov-20	11-Feb-22	316 13-Jan-22	23-Jan-23	0%	0%	-291	-291	-219
9	MPR18.1.13.1.3 Sewri Interchange - Work Front - 3 (Cast in situ Spans)	431 28-Feb-20	01-Feb-22	431 22-Dec-20	22-Aug-22	0%	0%	-170	-170	-74
	MPR18.1.13.1.3.1 Sewri Interchange - Work Front - 3 - Piling	144 28-Feb-20	20-Nov-20	144 22-Dec-20	12-Jun-21	0%	0%	-170	-170	-124
	➡ MPR18.1.13.1.3.1.1 Piling - Ramp B	54 28-Feb-20	02-May-20	54 22-Dec-20	25-Feb-21	0%	0%	-170	-170	-124
	MPR18.1.13.1.3.1.2 Piling - Ramp E	54 04-May-20	07-Oct-20	54 25-Feb-21	30-Apr-21	0%	0%	-170	-170	-124
	MPR18.1.13.1.3.1.3 Piling - Ramp C1	36 08-Oct-20	20-Nov-20	36 30-Apr-21	12-Jun-21	0%	0%	-170	-170	-124
	MPR18.1.13.1.3.2 Sewri Interchange - Work Front - 3 - Pile Cap	159 07-Mar-20	15-Dec-20	159 29-Dec-20	09-Oct-21	0%	0%	-170	-170	41
	МРК 18.1.13.1.3.2.1 РіІе Сар - Ramp В	81 07-Mar-20	10-Jun-20	81 29-Dec-20	06-Apr-21	0%	0%	-170	-170	-1
	MPR18.1.13.1.3.2.2 Pile Cap - Ramp E	81 11-May-20	17-Nov-20	81 05-Mar-21	09-Jun-21	0%	0%	-170	-170	65
	MPR18.1.13.1.3.2.3 Pile Cap - Ramp C1	45 23-Oct-20	15-Dec-20	45 15-May-21	09-Oct-21	0%	0%	-170	-170	30
	MPR18.1.13.1.3.3 Sewri Interchange - Work Front - 3 - Pier	216 18-Mar-20	05-Mar-21	216 09-Jan-21	27-Dec-21	0%	0%	-170	-170	-10
	MPR18.1.13.1.3.3.1 Pier - Ramp B	135 18-Mar-20	27-Nov-20	135 09-Jan-21	22-Sep-21	0%	0%	-170	-170	-49
	Here in the second seco	135 21-May-20	01-Feb-21	135 16-Mar-21	25-Nov-21	0%	0%	-170	-170	17
	MPR18.1.13.1.3.3.3 Pier - Ramp C1	90 18-Nov-20	05-Mar-21	90 09-Jun-21	27-Dec-21	0%	0%	-170	-170	-21
	MPR18.1.13.1.3.4 Sewri Interchange - Work Front - 3 - Pier Cap	196 24-Apr-20	19-Mar-21	196 17-Feb-21	11-Jan-22	0%	0%	-170	-170	-10
	MPR18.1.13.1.3.4.1 Pier Cap - Ramp B	115 24-Apr-20	11-Dec-20	115 17-Feb-21	06-Oct-21	0%	0%	-170	-170	-49
	MPR18.1.13.1.3.4.2 Pier Cap - Ramp E	132 08-Jun-20	15-Feb-21	132 02-Apr-21	09-Dec-21	0%	0%	-170	-170	17
	MPR18.1.13.1.3.4.3 Pier Cap - Ramp C1	77 17-Dec-20	19-Mar-21	77 11-Oct-21	11-Jan-22	0%	0%	-170	-170	-21
	MPR18.1.13.1.3.5 Sewri Interchange - Work Front - 3 - Super Structure	360 23-May-20	01-Feb-22	360 18-Mar-21	22-Aug-22	0%	0%	-170	-170	-74
	MPR18.1.13.1.3.5.1 Super Structure - Ramp B	132 23-May-20	30-Jan-21	132 18-Mar-21	24-Nov-21	0%	0%	-170	-170	-60
	MPR18.1.13.1.3.5.2 Super Structure - Ramp E	132 16-Jan-21	24-Sep-21	132 10-Nov-21	16-Apr-22	0%	0%	-170	-170	-60
	MPR18.1.13.1.3.5.3 Super Structure - Ramp C1	120 09-Jun-21	01-Feb-22	120 02-Apr-22	22-Aug-22	0%	0%	-170	-170	-74
1	MPR18.1.13.2 Intertidal Section	715 11-Jun-18	23-Oct-21	1009 11-Jun-18 A	20-Jul-22	21.64%	19.72%	0	-227	-200
9	MPR18.1.13.2.1 Intertidal - Temporary Access Bridge Work	467 11-Jun-18	26-Sep-20	478 11-Jun-18 A	18-Apr-20	0%	0%	0	57	220

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ity ID	Activity Name	BL1 Duration BL1 Sta	art BL1 Finish	Original Star	ırt F	Finish	Schedule % Complete	Performance % Complete	Variance - BL Project Start Date	Variance - BL Project Finish Date	Total Float
MPR18.1.1	3.2.1.1 Access Bridge	457 11-Jun-	-18 12-Jun-20	468 11-	-Jun-18 A (07-Apr-20	0%	0%	0	57	220
MPR18.1	1.13.2.1.1.1 Access Bridge - Piling	451 11-Jun-	-18 05-Jun-20	366 11	-Jun-18 A (07-Dec-19	0%	0%	0	152	320
MPR18.1	1.13.2.1.1.2 Access Bridge - Decking	437 06-Oct-	:-18 12-Jun-20	468 14	-Jul-18 A (07-Apr-20	0%	0%	16	57	220
MPR18.1.1	3.2.1.2 Fingers	441 13-Oct-	:-18 26-Sep-20	478 26-	-Sep-18 A 1	18-Apr-20	0%	0%	16	57	220
MPR18.1	1.13.2.1.2.1 Fingers - Piling	437 13-Oct-	:-18 22-Sep-20	474 26-	-Sep-18 A 1	14-Apr-20	0%	0%	16	57	220
MPR18.1	1.13.2.1.2.2 Fingers - Decking	426 01-Nov	v-18 26-Sep-20	478 06-	-Oct-18 A 1	18-Apr-20	0%	0%	22	57	220
MPR18.1.13.2	2.2 Intertidal - Main Bridge Work	638 14-Dec	:-18 23-Oct-21	944 14-	-Nov-18 A 2	20-Jul-22	21.64%	19.72%	26	-227	-200
MPR18.1.1	3.2.2.1 Intertidal - Main Bridge Work - Piling	531 14-Dec	:-18 16-Mar-21	747 14-	-Nov-18 A 2	29-Nov-21	43.74%	51.48%	26	-137	-103
	3.2.2.2 Intertidal - Main Bridge Work - Pile Cap	536 29-Dec	:-18 06-Apr-21	781 17	-Jan-19 A (08-Jan-22	25.5%	22.37%	-15	-153	-124
MPR18.1.1	3.2.2.3 Intertidal - Main Bridge Work - Pier	562 17-Jan-	-19 25-May-21	821 29-	-Mar-19 A 2	25-Feb-22	21.95%	15.04%	-59	-152	-125
	3.2.2.4 Intertidal - Main Bridge Work - Pier Cap	562 30-Jan-	-19 05-Jun-21	573 10-	-Aug-19 A 1	L4-Mar-22	16.46%	0.35%	-115	-155	-128
	3.2.2.5 Intertidal - Main Bridge Work - Super Structure Erection	on 534 18-Apr	-19 23-Oct-21	620 04	-Jan-20 2	20-Jul-22	0%	0%	-141	-227	-200
	2.3 Intertidal - Finger Removal & Reuse	400 07-Mai	r-19 29-Dec-20	394 04-	-Dec-19 2	24-Sep-21	0%	0%	-151	-145	-60
MPR18.1.13.3 M		911 18-Sep	-18 17-Jun-22	1169 14-	-Dec-18 A 1	17-Mar-23	15.94%	4.55%	-73	-227	-206
<u> </u>	3.1 Temporary Access Bridge Work -2 (MP70 to MP51- 21 Sp	ans) 911 18-Sep		905 25-	-Sep-19 1	L7-Mar-23	0%	0%	-233	-227	-206
	3.2 Marine - Main Bridge	775 03-Nov	v-18 23-Feb-22	1072 14-	-Dec-18 A 2	22-Nov-22	15.94%	4.55%	-34	-227	-206
	3.3.2.1 Marine - Piling	564 03-Nov	v-18 15-Mar-21	810 14-	-Dec-18 A 1	12-Jan-22	28.66%	13.72%	-34	-176	-58
	3.3.2.3 Marine - Pile Cap	572 23-Nov	v-18 12-Apr-21	809 14		10-Feb-22	19.3%	3.03%	-43	-176	-60
	3.3.2.4 Marine - Pier	590 22-Dec	:-18 02-Jun-21	563 21-	-Nov-19 3	80-Mar-22	14.1%	0%	-200	-173	-87
	3.3.2.2 Marine - Pier Cap	576 21-Jan-		549 19-		L1-Apr-22	11.87%	0%	-200	-173	-49
	3.3.2.5 Marine - Super Structure Erection	636 19-Apr		687 17-		22-Nov-22	0%	0%	-176	-227	-206
The second secon	Precast Segments	778 06-Feb				30-Jun-22	22.4%	0.3%	-154	-261	69
	1.1 Precast Segement - Sewri Interchange	701 06-Feb	<u> </u>	709 22-		18-Mar-22	29.63%	0%	-241	-249	158
	3.4.1.1 Precast Segement - Land Viaduct	276 04-Apr		276 28		22-Dec-20	54.69%	0%	-249	-249	535
	3.4.1.2 Precast Segement - Ramp A	396 30-Mai		396 14		30-Apr-21	32.74%	0%	-241	-241	-99
	3.4.1.3 Precast Segement - Ramp B	297 17-Mai		297 08		28-Dec-21	0%	0%	-249	-249	-115
	3.4.1.4 Precast Segement - Ramp C1	290 04-Apr	-19 16-Mar-20	290 28	-Jan-20 (08-Jan-21	E2 720/	00/	240		115
	3.4.1.5 Precast Segement - Ramp C2						52.73%	0%	-249	-249	-115
MPR18 1 1		143 06-Feb		143 22-	-Nov-19 1	11-May-20	100%	0%	-241	-241	-77
	3.4.1.6 Precast Segement - Ramp E	253 15-Jul-2	20 14-May-21	143 22- 253 30-	-Nov-19 1 -Apr-21 2	11-May-20 26-Feb-22	100% 0%	0% 0%	-241 -241	-241 -241	-77 -99
MPR18.1.13	3.4.1.7 Precast Segement - Ramp F	253 15-Jul-2 107 16-Jan-	20 14-May-21 -21 24-May-21	143 22- 253 30- 115 01-	-Nov-19 1 -Apr-21 2 -Nov-21 1	11-May-20 26-Feb-22 18-Mar-22	100% 0% 0%	0% 0% 0%	-241 -241 -241	-241 -241 -249	-77 -99 -115
MPR18.1.13.4	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal	253 15-Jul-2 107 16-Jan- 753 28-Feb	20 14-May-21 -21 24-May-21 -19 14-Aug-21	143 22- 253 30- 115 01- 754 25-	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22	100% 0% 0% 23.7%	0% 0% 0% 0%	-241 -241 -241 -250	-241 -241 -249 -251	-77 -99 -115 -188
MPR18.1.13.4 MPR18.1.13.4	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21	143 22- 253 30- 115 01- 754 25- 777 07-	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22	100% 0% 0% 23.7% 18.83%	0% 0% 0% 0% 0% 0.62%	-241 -241 -241 -250 -135	-241 -241 -249 -251 -261	-77 -99 -115 -188 69
MPR18.1.13.4	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemb	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 9ly & Erection - 608 11-Jun-	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22	143 22- 253 30- 115 01- 754 25- 777 07- 636 12-	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22	100% 0% 0% 23.7% 18.83%	0% 0% 0% 0% 0% 0.62%	-241 -241 -241 -250 -135 -230	-241 -241 -249 -251 -261 -258	-77 -99 -115 -188 -69
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5 O MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemb 5.1 OSD - Fabrication	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 11-Jun- 746 28-Sep	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 12-Oct-21	143 22- 253 30- 115 01- 754 25- 777 07- 636 12- 786 26-	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22	100% 0% 0% 23.7% 18.83% 0%	0% 0% 0% 0% 0% 0.62% 0%	-241 -241 -241 -250 -135 -230 -273	-241 -241 -249 -251 -261 -258 -313	-77 -99 -115 -188 69 -98 -255
MPR18.1.13.4	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 1.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 9ly & Erection - 608 11-Jun- 746 28-Sep 720 28-Sep	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21	143 22- 253 30- 115 01- 754 25- 777 07- 636 12- 786 26- 749 26-	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 80-Jun-22 14-Jan-23 21-Aug-22	100% 0% 0% 23.7% 18.83% 0% 0%	0% 0% 0% 0% 0.62% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273	-241 -241 -249 -251 -261 -258 -313 -302	-77 -99 -115 -188 -98 -255 -279
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 1.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Feb 759 28-Sep 720 28-Sep 720 28-Sep	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-1 636 12-1 786 26-1 749 26-1 726 26-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 1 -Jun-20 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 15-Jul-22	100% 0% 0% 23.7% 18.83% 0% 0% 0%	0% 0% 0% 0% 0.62% 0% 0% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273 -273	-241 -241 -249 -251 -261 -258 -313 -302 -279	-77 -99 -115 -188 69 -98 -255 -279
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 5.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B 3.5.1.3 Fabrication - Factory C	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Feb 746 28-Sep 720 28-Sep 720 28-Sep 660 23-Dec	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21 -19 16-Sep-21 -19 12-Oct-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-2 636 12-2 786 26-2 749 26-2 726 26-2 660 31-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2 -Jun-20 2 -Jun-20 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 15-Jul-22 22-Jun-22	100% 0% 0% 23.7% 18.83% 0% 0% 0% 0%	0% 0% 0% 0% 0.62% 0% 0% 0% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273 -273 -273 -313	-241 -241 -249 -251 -261 -258 -313 -302 -279 -313	-77 -99 -115 -188 -69 -98 -255 -279 -215 -255
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5 O MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 5.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B 3.5.1.3 Fabrication - Factory C 5.2 OSD - Shipping	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Feb 759 28-Sep 720 28-Sep 720 28-Sep 660 23-Dec 536 24-Jun-	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21 -19 12-Oct-21 -19 12-Oct-21 -19 12-Oct-21 -19 12-Oct-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-1 636 12-1 786 26-1 749 26-1 726 26-1 660 31-1 576 23-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 22-Jun-22 21-Aug-22 21-Aug-22	100% 0% 0% 23.7% 18.83% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0.62% 0% 0% 0% 0% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273 -273 -313 -273	-241 -241 -249 -251 -261 -258 -313 -302 -279 -313 -313	-77 -99 -115 -188 -69 -98 -255 -279 -215 -255 -136
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13.5 MPR18.1.13 MPR18.1.13 MPR18.1.13 MPR18.1.13 MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 5.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B 3.5.1.3 Fabrication - Factory C 5.2 OSD - Shipping 3.5.2.1 Shipping - Factory A	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Sep 720 28-Sep 720 28-Sep 720 28-Sep 660 23-Dec 536 24-Jun- 510 24-Jun-	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21 -19 12-Oct-21 -19 15-Mar-22 -19 16-Sep-21 -19 15-Nov-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-1 636 12-1 786 26-1 749 26-1 726 26-1 660 31-1 576 23-1 539 23-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Mar-21 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 15-Jul-22 22-Jun-22 21-Aug-22 20-Oct-22	100%	0% 0% 0% 0% 0.62% 0% 0% 0% 0% 0% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273 -273 -273 -273 -273 -273	-241 -241 -249 -251 -261 -258 -313 -302 -279 -313 -313 -302	-77 -99 -115 -188 69 -98 -255 -279 -215 -255 -136 -99
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 5.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B 3.5.1.3 Fabrication - Factory C 5.2 OSD - Shipping 3.5.2.1 Shipping - Factory B 3.5.2.2 Shipping - Factory B	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Sep 720 28-Sep 720 28-Sep 720 28-Sep 720 28-Sep 720 28-Jun- 510 24-Jun-	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21 -19 12-Oct-21 -20 11-Dec-21 -20 15-Nov-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-1 636 12-1 786 26-1 749 26-1 726 26-1 660 31-1 576 23-1 539 23-1 516 23-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 22-Jun-22 21-Aug-22 20-Oct-22 13-Sep-22	100% 0% 0% 23.7% 18.83% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0.62% 0% 0% 0% 0% 0% 0% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273 -273 -273 -273 -273 -273	-241 -241 -249 -251 -261 -258 -313 -302 -279 -313 -302 -279 -313 -302	-77 -99 -115 -188 -69 -98 -255 -279 -215 -255 -136 -99 -215
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 1.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B 3.5.1.3 Fabrication - Factory C 5.2 OSD - Shipping 3.5.2.1 Shipping - Factory A 3.5.2.2 Shipping - Factory B 3.5.2.3 Shipping - Factory C	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Feb 750 28-Sep 720 28-Sep 720 28-Sep 660 23-Dec 536 24-Jun- 510 24-Jun- 510 24-Jun-	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 15-Mar-22 -19 12-Oct-21 -19 16-Sep-21 -19 12-Oct-21 -20 11-Dec-21 -20 15-Nov-21 -20 11-Dec-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-1 636 12-1 786 26-1 749 26-1 726 26-1 660 31-1 576 23-1 539 23-1 516 23-1 450 28-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 2 -Jun-20 1 -Jun-20 2	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 22-Jun-22 21-Aug-22 20-Oct-22 21-Aug-22	100%	0% 0% 0% 0% 0.62% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	-241 -241 -241 -241 -250 -135 -230 -273 -273 -273 -273 -273 -273 -273 -273	-241 -241 -249 -251 -261 -258 -313 -302 -279 -313 -302 -279 -313 -302 -279 -313	-77 -99 -115 -188 -69 -98 -255 -279 -215 -255 -136 -99 -215 -231
MPR18.1.13.4 MPR18.1.13.4 MPR18.1.13.5	3.4.1.7 Precast Segement - Ramp F 1.2 Precast Segement - Intertidal 1.3 Precast Segement - Marine Orthotropic Steel Deck (OSD) - Fabrication, Shipping, Assemble 5.1 OSD - Fabrication 3.5.1.1 Fabrication - Factory A 3.5.1.2 Fabrication - Factory B 3.5.1.3 Fabrication - Factory C 5.2 OSD - Shipping 3.5.2.1 Shipping - Factory B 3.5.2.2 Shipping - Factory B	253 15-Jul-2 107 16-Jan- 753 28-Feb 759 28-Feb 759 28-Feb 750 28-Sep 720 28-Sep 720 28-Sep 660 23-Dec 536 24-Jun- 510 24-Jun- 510 24-Jun-	20 14-May-21 -21 24-May-21 -19 14-Aug-21 -19 21-Aug-21 -19 15-Mar-22 -19 16-Sep-21 -19 16-Sep-21 -19 12-Oct-21 -20 11-Dec-21 -20 15-Nov-21 -20 11-Dec-21 -20 11-Dec-21 -20 11-Dec-21 -20 11-Dec-21	143 22-1 253 30-1 115 01-1 754 25-1 777 07-1 636 12-1 786 26-1 749 26-1 726 26-1 660 31-1 576 23-1 539 23-1 516 23-1	-Nov-19 1 -Apr-21 2 -Nov-21 1 -Dec-19 1 -Aug-19 A 3 -Jun-20 1 -Jun-20 2 -Jun	11-May-20 26-Feb-22 18-Mar-22 10-Jun-22 30-Jun-22 14-Jan-23 21-Aug-22 22-Jun-22 21-Aug-22 20-Oct-22 13-Sep-22	100% 0% 0% 23.7% 18.83% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0.62% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	-241 -241 -241 -250 -135 -230 -273 -273 -273 -273 -273 -273 -273	-241 -241 -249 -251 -261 -258 -313 -302 -279 -313 -302 -279 -313 -302	-77 -99 -115 -188 -69 -98 -255 -279 -215 -255 -136 -99 -215

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AECOM PADECO dar al-handasah

General Consultant for Mumbai Trans Harbour Link Project

Activ	ity Name	BL1 Duration	BL1 Start	BL1 Finish	Original Duration	Start	Finish	Schedule % Complete	Performance % Complete	Variance - BL Project Start Date	Variance - BL Project Finish Date	Total F
MPR18.1.13.5.3.2 OSE	2 - MP69 to MP75 (683m)	274	17-Nov-20	17-Aug-21	240	26-Sep-21	23-May-22	0%	0%	-313	-279	-
MPR18.1.13.5.3.3 OSE	3 - MP75 to MP81 (770m)	377	21-Dec-20	01-Jan-22	388	19-Oct-21	10-Nov-22	0%	0%	-302	-313	=
MPR18.1.13.5.3.4 OSE	9 4 - MP124 to MP128 (560m)	141	19-Jul-21	06-Dec-21	164	24-Apr-22	04-Oct-22	0%	0%	-279	-302	
MPR18.1.13.5.4 OSD - As	sembly	337	07-Oct-20	16-Feb-22	390	16-Sep-21	24-Dec-22	0%	0%	-209	-262	-
MPR18.1.13.5.4.1 OSE	0 1 - MP50 to MP53 (320m)	80	07-Oct-20	11-Jan-21	43	16-Sep-21	06-Nov-21	0%	0%	-209	-172	
MPR18.1.13.5.4.2 OSE	2 - MP69 to MP75 (683m)	252	17-Dec-20	13-Oct-21	224	26-Oct-21	16-Jul-22	0%	0%	-261	-233	
MPR18.1.13.5.4.3 OSE	3 - MP75 to MP81 (770m)	329	20-Jan-21	16-Feb-22	337	18-Nov-21	24-Dec-22	0%	0%	-253	-261	
MPR18.1.13.5.4.4 OSE	9 4 - MP124 to MP128 (560m)	142	18-Aug-21	04-Feb-22	162	24-May-22	03-Dec-22	0%	0%	-233	-253	
MPR18.1.13.5.5 OSD - E	rection	608	11-Jun-19	15-Mar-22	636	12-Jun-20	14-Jan-23	0%	0%	-230	-258	
MPR18.1.13.5.5.1 OSE	0 1 - MP50 to MP53 (320m)	157	21-May-20	26-Feb-21	130	26-May-21	29-Jan-22	0%	0%	-230	-203	
MPR18.1.13.5.5.2 OSE	2 - MP69 to MP75 (683m)	542	11-Jun-19	24-Dec-21	505	12-Jun-20	10-Aug-22	0%	0%	-230	-193	
MPR18.1.13.5.5.3 OSE	3 - MP75 to MP81 (770m)	279	07-Jan-21	10-Mar-22	352	22-Nov-21	14-Jan-23	0%	0%	-189	-262	
MPR18.1.13.5.5.4 OSE	0 4 - MP124 to MP128 (560m)	185	05-May-21	15-Mar-22	310	07-Jan-22	10-Jan-23	0%	0%	-129	-254	
MPR18.1.13.6 Post Erection	Segmental Stitch Concrete (incl. Bearing Installation and Prestres	644	24-Apr-19	10-Mar-22	673	14-May-20	01-Feb-23	0%	0%	-246	-275	
MPR18.1.13.6.1 Stitch Co	oncrete - Sewri Interchange	644	24-Apr-19	10-Mar-22	652	09-Jun-20	01-Feb-23	0%	0%	-267	-275	
MPR18.1.13.6.2 Stitch Co	oncrete - Intertidal	475	29-Nov-19	22-Dec-21	540	14-May-20	25-Aug-22	0%	0%	-141	-206	
MPR18.1.13.6.3 Stitch Co	oncrete - Marine	563	21-Oct-19	26-Feb-22	614	18-May-20	25-Nov-22	0%	0%	-176	-227	
MPR18.1.13.7 Crash Barrie	r Works	585	05-Oct-19	11-Mar-22	667	01-Jun-20	11-Feb-23	0%	0%	-201	-283	
MPR18.1.13.7.1 Crash B	arrier - Sewri Interchange	585	05-Oct-19	11-Mar-22	601	23-Nov-20	11-Feb-23	0%	0%	-267	-283	
MPR18.1.13.7.2 Crash B	arrier - Intertidal	470	17-Dec-19	04-Jan-22	535	01-Jun-20	06-Sep-22	0%	0%	-141	-206	
MPR18.1.13.7.3 Crash B	amier - Marine	541	26-Nov-19	09-Mar-22	592	24-Sep-20	05-Dec-22	0%	0%	-176	-227	
MPR18.1.13.7.4 Crash B	arrier - Orthotropic Steel Deck	291	23-Dec-20	10-Mar-22	345	02-Dec-21	16-Jan-23	0%	0%	-209	-263	
MPR18.1.13.8 Bridge Deck	(Superstructure) Water Proofing	581	15-Oct-19	16-Mar-22	662	12-Jun-20	17-Feb-23	0%	0%	-203	-284	
MPR18.1.13.8.1 Water Pr	oofing - Sewri Interchange	579	15-Oct-19	14-Mar-22	598	02-Dec-20	17-Feb-23	0%	0%	-267	-286	
MPR18.1.13.8.2 Water Pr	oofing - Intertidal	465	28-Dec-19	10-Jan-22	530	12-Jun-20	12-Sep-22	0%	0%	-141	-206	
MPR18.1.13.8.3 Water Pr	oofing - Marine	526	18-Dec-19	14-Mar-22	577	16-Oct-20	09-Dec-22	0%	0%	-176	-227	
MPR18.1.13.8.4 Water Pr	oofing - Orthotropic Steel Deck	281	11-Jan-21	16-Mar-22	335	20-Dec-21	21-Jan-23	0%	0%	-209	-263	
MPR18.1.13.9 Stone Mastic	: Asphalt Pavement	74	23-Dec-21	22-Mar-22	217	08-Jun-22	23-Feb-23	0%	0%	-141	-284	
MPR18.1.13.9.1 Sewri Int	erchange	70	27-Dec-21	21-Mar-22	105	21-Oct-22	23-Feb-23	0%	0%	-250	-285	
MPR18.1.13.9.2 Main Bri		74	23-Dec-21	22-Mar-22	195	08-Jun-22	27-Jan-23	0%	0%	-141	-262	
MPR18.1.13.10 Bridge Ancl	ilaries and Misc. Works	575	31-Jan-20	22-Jun-22	695	17-Oct-20	02-May-23	0%	0%	-141	-261	
MPR18.1.13.10.1 Bridge	Ancillaries	575	31-Jan-20	22-Jun-22	695	17-Oct-20	02-May-23	0%	0%	-141	-261	
	ise Barrier, View Barrier and Safety Fence	552	31-Jan-20	26-May-22		17-Oct-20	17-Mar-23	0%	0%	-141		
MPR18.1.13.10.1.2 Tra	<u> </u>		17-Mar-22	22-Jun-22		19-Dec-22	02-May-23	0%	0%	-233		
MPR18.1.15 Handing Over			31-Mar-22	22-Sep-22		02-Jan-23	29-Jun-23	0%	0%	-233		
MPR18.1.15.1 Testing and I	Handing Over		31-Mar-22	18-Aug-22		02-Jan-23	27-May-23	0%	0%	-233		
MPR18.1.15.2 Final Handin			19-Aug-22	22-Sep-22		27-May-23	29-Jun-23	0%	0%	-235		
	(Shows the Invoice items which are not covered in the above Cons		23-Mar-18	-			29-Jun-23	27.81%	20.59%	0		

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Mumbai Trans Harbour Link Project - Quarterly Progress Report No. 10 (Jul-Sep 2019)
Attachment 8- Package-2's Construction Programme
Updated as on 25 th September 2019
Opaatea as on 20 Ocptember 2010

# /	Activity ID Activity Name	BL Project BL Project	t BL Project	Actual Start	Actual	Schedule %	Performance %	2018 2019 2020 2021 2022 023
		Duration Start	Finish		Finish	Complete	Complete	
1	MTHL-PKG2-MPR.18.DTJV MTHL-PKG2-DETAILED WORK PROGRAMME_25082					26.23%	12.38%	
2	MTHL-PKG2-MPR.18.DTJV.1 PROJECT PRE-COMMENCEMENT ACTIVITY	126.00d 17-Nov-1				0%	0%	16-Mar-18 A, MTHL-PKG2-MPR 18:DTJV.1 PROJECT PRE-COMMENCEMENT ACTIVITY
3	MTHL-PKG2-MPR.18.DTJV.2 PRE-COMMENCEMENT ACTIVITY	55.00d 15-Dec-1				0%	0%	29-Mar-18 A, MTHL-PKG2-MPR 18.DTJV.2 PRE-COMMENCEMENT ACTIVITY 20-Mar-18 A, MTHL-PKG2-MPR 18.DTJV.2.1 JV FORMATION AND REGISTRATION
5	MTHL-PKG2-MPR.18.DT.JV.2.1 JV FORMATION AND REGISTRATION	55.00d 15-Dec-1 1824.34d 23-Mar-1			20-Mar-1	0%	0%	20-Wai-10A, WITE-F102-WF5, 10.DJ v), 2.11 JV FUNWAI (DI) A(W. N.C.O.) 1 (VA) (O)
6	MTHL-PKG2-MPR.18.DTJV.3 PROJECT EVENT MILESTONE MTHL-PKG2-MPR.18.DTJV.3.1 PROJECT KEY MILESTONE	1644.34d 23-Mar-1				0%	0%	
7	MTHL-PKG2-MPR.18.DTJV.3.2 INTERFACE MILESTONE ERG19	1796.34d 19-Apr-18				0%	070	
8	MTHL-PKG2-MPR.18.DTJV.3.3 PHYSICAL PROGRESS AND INTERFACE DATE ADD2-ATTACHMENT 25	1373.00d 18-Sep-1		31-Aug-18		0%	070	
9	MTHL-PKG2-MPR.18.DTJV.3.4 CONSTRUCTION KEY MILESTONES	1037.25d 03-Sep-1		25-Oct-18		0%	0%	₹ 22-Feb-21, MTHL-PKG2-MPR 18.DTJV.3.4; CONSTRUCTION KEY M
10		210.38d 20-Jan-1				0%	0%	▼ 05-Oct-19, MTH;L-PKG2-MPR:18.DTJV.4 MANAGEMENT
11	MTHL-PKG2-MPR.18.DTJV.4 MANAGEMENT MTHL-PKG2-MPR.18.DTJV.4.1 SITE ORGANISATION	35.00d 20-Jan-1	_		07-Mar-1	0%	0%	07-Mar-18 A, MTHL-PKG2-MPR 18.DTJV.4.1, SITE ORGANISATION
12	MTHL-PKG2-MPR-18.DTJV-4.2 DEVELOPMENT OF MANAGEMENT SYSTEM	127.38d 20-Jan-1				0%	0%	22-Aug-19'A, MTHL-PKG2-MPR 18.DTJV.4.2 DEVELOPMENT OF MANAGEMENT SYSTEM
13	MTHL-PKG2-MPR-18.DTJV-4.3 DEVELOPMENT OF WORK PROGRAMME	63.00d 23-Mar-1				0%	0%	21-Sep-18/A, MTHL-PKG2-MPR.18.DTUV.4.3 DEVELOPMENT OF WORK PROGRAMME
14	MTHL-PKG2-MPR.18.DTJV-4.4 OTHER CONTRACTUAL SUBMITTALS	28.00d 24-Mar-1				0%	0%	23-Apr-18 A, MTHL-PKG2-MPR-18.DTJ.V.4.4 OTHER CONTRACTUAL;SUBMITTALS
15	MTHL-PKG2-MPR.18.DTJV.4.5 PERMIT & APPROVAL	210.38d 20-Jan-1			207φ110	0%	0%	05-Oct-19, MTH/L-PKG2-MPR-18.DTJV.4.5, PERMIT & APPROVAL
16		592.33d 20-Jan-1				100%	70.14%	05-Dcf-19, MTH-PKG2-MPR-18,DT;V-4.5, PERMIT 8,APPROVAL
17	MTHL-PKG2-MPR.18.DTJV.5 DESIGN MTHL-PKG2-MPR.18.DTJV.5.1 EARLY STAGE DESIGN WORK / INFORMATION COLLECTION	178.25d 20-Jan-1				100%	100%	25-Sep-19, MTHL-PKG2-MPR 18.DTJV.5.1 EARLY STAGE DESIGN WORK / INFORMATION COLLECTION
18	MTHL-PKG2-MPR.18.DTJV.5.2 TEMPORARY WORK	283.33d 22-Jan-1				100%	100%	p8;Jan-2þ, MTHL-PKG2-MPR;18;DT,JV;5.2; TEMPÓRÁRÝ WORK
19	MTHL-PKG2-MPR.18.DTJV.5.3 CONCRETE MIX DESIGN	161.33d 23-Mar-1			15-Nov-1	0%	0%	15-Nov-18 A, MTHL-PKG2-MPR:18:DTJV:5.3 CONCRETE MIX DESIGN
20	MTHL-PKG2-MPR.18.DTJV.5.4 JFE DESIGN PROGRAMME	491.00d 01-May-1				100%	16.19%	The state of the s
21	JFE.DQP.1000 Design Quality Plan	0.00d 01-May-1	<u> </u>		09-Apr-18	100%	100%	
22	JFE.MOB.1000 JFE Design Team Mobilization	0.00d 01-May-1	-	01-May-18		100%	100%	
23	MTHL-PKG2-MPR.18.DT.JV.5.4.5 DESIGN BASIS REPORT	49.00d 18-May-1			14-Jun-19		0%	14-Jun-19 A, MTH-L-PKG2;MPR,18;DTJV;5.4.5;DESIGN;BASIS;REP;ORT
24	MTHL-PKG2-MPR.18.DT.JV.5.4.8 ADDITIONAL TIME FOR DESIGN BASIS REPORT. STEEL	0.00d		05-Oct-18			0%	14.Jun-19 A, MTHL-PKG2.MPR.18.DTJV.5.4;8 ADDITIONAL TIME FOR DESIGN BASIS REPORT_STEEL
25	MTHL-PKG2-MPR.18.DT.JV.5.4.2 INITITAL DESIGN	125.00d 01-May-1	03-Sep-18	01-May-18	12-Aug-1	0%	0%	12;Aug-19 A, MTHL-PKG2;MPR:18;DT,V;5.4;2 ;INTTTAL; DESIGN
26	MTHL-PKG2-MPR.18.DTJV.5.4.6 DESKTOP ANALYSIS ON AERODYNAMIC STABILITY	83.00d 01-May-1	23-Jul-18	28-May-18		100%	100%	30-\$ep-19, MTHL-PKG2/MPR.18,DTJV.5.4.6; DESKTOP ANALYSIS ON AERODYNAMIC STABILITY
27	MTHL-PKG2-MPR.18.DT.JV.5.4.9 ADDITIONAL TIME FOR WIND TUNNEL TEST	0.00d		07-Jul-18		0%	0%	24-Nov-19, MTHL-PKG2-MPR 18.DTJV.5.4.9 ADDITIONAL TIME FOR WIND TUNNEL TEST
28	MTHL-PKG2-MPR.18.DT.JV.5.4.3 TECHNICAL DESIGN	243.00d 23-Jul-18	23-Mar-19	30-Aug-18		100%	44.33%	▼ 17-Feb-20, M7HL-PKG2-NPR 18.DTJV.5.4.3 TECHNICAL DESIGN
29	MTHL-PKG2-MPR.18.DTJV.5.4.3.2 TECHNICAL DESIGN(LHS.STEEL MOUDLE-3_MP183 - MP186)	227.00d 23-Jul-18	07-Mar-19	04-Oct-18		100%	70%	
30	MTHL-PKG2-MPR.18.DT JV.5.4.3.1 TECHNICAL DESIGN (RHS.STEEL MOUDLE-3_MP183 - MP186)	219.00d 06-Aug-1	13-Mar-19	19-Oct-18		100%	56%	18Jan-20, M I HL-PKG2-MPR, 18.DIJV.5,4.3.1; I ECHNICAL DESIGN (RHS.S I EEL MOUDLE-3_MP183 - MH
31	MTHL-PKG2-MPR.18.DT JV.5.4.3.3 TECHNICAL DESIGN (LHS.STEEL MOUDLE-2_MP177 - MP182)	229.00d 06-Aug-1	23-Mar-19	30-Aug-18	 	100%	70%	4444444444444
32	MTHL-PKG2-MPR.18.DT JV.5.4.3.4 TECHNICAL DESIGN (RHS.STEEL MOUDLE-2_MP177 - MP182)	229.00d 06-Aug-1	23-Mar-19	11-Sep-18		100%	70%	
33	MTHL-PKG2-MPR.18.DTJV.5.4.3.5 TECHNICAL DESIGN (LHS.STEEL MOUDLE-1_MP176 - MP171)	229.00d 06-Aug-1	23-Mar-19	23-Apr-19		100%	0%	National de la company de la
34	MTHL-PKG2-MPR.18.DTJV.5.4.3.6 TECHNICAL DESIGN (RHS.STEEL MOUDLE-1_MP176 - MP172)	229.00d 06-Aug-1	23-Mar-19	23-Apr-19		100%	0%	17-Feb-20; MTHL-PKG2-MPR.18.DTJV.5.4.3.6. TECHNICAL DESIGN (RHS.STEEL: MOUDLE-1; MP176;
35	MTHL-PKG2-MPR 18.DTJV.5.4.7 DESIGN CONDITION BY THE SERVICE RECIPIENT	101.00d 23-Jul-18	01-Nov-18			0%	0%	18-Dec-19, MTHL-PKG2-MPR 18.DTJV.5,4.7 DE\$IGN CONDITION BY THE SERVICE RECIPIENT
36	MTHL-PKG2-MPR.18.DTJV.5.4.1 TEMPORARY WORKS DESIGN BY SERVICE RECEPIENT	52.00d 07-Nov-1	29-Dec-18			0%	0%	13-Feb-20, MTHL-PKG2-MPR.18.DTJV.5;4.1 TEMPORARY WORKS DESIGN BY SERVICE RECIEPIENT
37	MTHL-PKG2-MPR.18.DTJV.5.4.4 CONSTRUCTION DESIGN	257.00d 21-Dec-1	04-Sep-19			100%	0%	▼ 30-Aug-20, MTHL-PKG2-MPR;18 DTJV;5.4.4 CONSTRUCTION DESIGN
38	MTHL-PKG2-MPR.18.DT.JV.5.4.4.1 CONSTRUCTION DESIGN DRAWINGS (LHS.STEEL MOUDLE-2_MP177	N 201.00d 21-Dec-1	10-Jul-19			100%	0%	VIII - 18 INTUVE 18. DT.J.V. 5, 4, 4. 1; CONSTRUCTION DESIGN DRAWINGS (LHS)
39	MTHL-PKG2-MPR.18.DTJV.5.4.4.2 CONSTRUCTION DESIGN DRAWINGS (RHS.STEEL MOUDLE-2_MP177	- N 176.00d 18-Jan-1	9 13-Jul-19			100%	0%	12-Jul-20, MTHL-PKG2-MPR-18.DTJV.5.4.4.2 CONSTRUCTION DESIGN DRAWINGS (RH:
40	MTHL-PKG2-MPR.18.DTJV.5.4.4.3 CONSTRUCTION DESIGN DRAWINGS (LHS.STEEL MOUDLE-3_MP183	N 201.00d 18-Jan-1	9 07-Aug-19			100%	0%	15-Jul-20, ΜΤΗ-L-PKG2-MPR-18, DTJV/5.4.4(3 CONSTRUCTION DESIGN DRAWINGS) (LH
41	MTHL-PKG2-MPR.18.DTJV.5.4.4.4 CONSTRUCTION DESIGN DRAWINGS (RHS.STEEL MOUDLE-3_MP183	- N 176.00d 15-Feb-1	10-Aug-19			100%	0%	18 JÚL-20, MTHL PKG2 MPR 18 DTJV,5.4.4;4 CONSTRUCTION DESIGN DRÁWINGS (RH
42	MTHL-PKG2-MPR.18.DTJV.5.4.4.5 CONSTRUCTION DESIGN DRAWINGS (LHS.STEEL MOUDLE-1_MP176	N 201.00d 15-Feb-1	04-Sep-19			100%	0%	12-Aug-20, MTHL-PKG2-MPR 18 DTJV.54.4.5 CONSTRUCTION DESIGN DRAWINGS
43	MTHL-PKG2-MPR.18.DTJV.5.4.4.6 CONSTRUCTION DESIGN DRAWINGS (RHS.STEEL MOUDLE-1_MP176	- N 171.00d 17-Mar-1	04-Sep-19			100%	0%	30-Aug-20, MTHL-PKG2;MPR;18;DtJV;5.4.4;6 CONSTRUCTION DESIGN DRAWING
44	MTHL-PKG2-MPR.18.DTJV.6 PROCUREMENT, MANUFACTURING AND LOGISTICS	946.29d 20-Jan-1	3 23-Aug-20	22-Dec-17		100%	54.17%	▼ 04-Mai-21, MTHL-PKG2-MPR:18:DTJV:6 PROCUREMENT, MANUF
45	MTHL-PKG2-MPR.18.DTJV.6.1 SURVEY & INVESTIGATION	72.33d 20-Jan-1	3 02-Apr-18	22-Dec-17	04-Apr-18	0%	0%	y 04-April 8 A. MTHL-PKG2-NPR 18.DTJV.6;1 SURVEY & INVESTIGATION
46	MTHL-PKG2-MPR.18.DTJV.6.2 TEMPORARY WORK	273.33d 20-Jan-1	3 20-Oct-18	20-Jan-18		0%	0%	23-Nov+19, MTHL-PKG2-MPR 18.DTJV.6.2 TEMPORARY,WORK
47	MTHL-PKG2-MPR.18.DT.JV.6.3 MAIN WORK_SUBCONTRACT WORK	415.38d 23-Mar-1	20-Jul-19	23-Mar-18		0%	0%	18-May-20; MTHL-PKG2-MPR 18-DTJV-6.3 ; MAIN WORK SUBCONTRACT WORK
48	MTHL-PKG2-MPR.18.DT.JV.6.4 EQUIPMENTS	538.03d 23-Mar-1	12-Sep-19	23-Mar-18		100%	100%	13,Apr-20, MTHL:PKG2,MPR,18,DTJV,6,4
49	MTHL-PKG2-MPR.18.DT.JV.6.4.1 BATCHING PLANT	131.00d 23-Mar-1				0%	0%	23.Mari19A, MTHL:PKG2-MPR.18.DTJV.6.#.1. BATCHING PLANT
50	MTHL-PKG2-MPR.18.DT.JV.6.4.2 RCD MACHINE	234.00d 23-Mar-1			24-Aug-1	0%	0%	24-Aug-19A, MTHL-PKG2-MPR.18.DTJV.6;4.2 RCD MACHINE
51	MTHL-PKG2-MPR.18.DT.JV.6.4.3 GANTRY CRANE	323.00d 23-Mar-1	08-Feb-19	23-Mar-18		100%	100%	21-Feb20; MTHL-PKG2-MPR 18.DTJV.6.4.3 GANTRY CRANE
	Primary Baseline % Complete <u>EMPLOYER:</u>					CONTRACTO	OR:	Date Revision Checked Approved
	,	DLITAN REGION DEV	ELOPMEN'	T AUTHOR	RITY	DAEWOO		V 25-Sep-19 R0
	Critical Remaining Work (MMRDA)) - 11 L J	'
	l							l l

ctivity ID	Activity Name	BL Project BL Project Duration Start	BL Project Finish	Actual Start	t Actual Finish	Schedule % Complete	Performance % Complete	2018 2019 2020 2021 2022
	MTHL-PKG2-MPR.18.DTJV.6.4.4 SEGMENT LAUNCHER	415.00d 24-Jul-18		24-Jul-18		0%	0%	7:13-Apr-20_MTHL:PKG2-MPR.18.DTJV.6.4.4; SEGMENT LAUNCHER
IV	MTHL-PKG2-MPR.18.DTJV.6.5 PRECAST MOULD AND SYSTEM FORM	229.91d 07-Aug-1				100%	8.33%	▼ 2j-Apr-20,;MTHL;-PKG2-MPR 18.DTJV.6;5 PRECAST MOULD A'ND SYSTEM FORM
	MTHL-PKG2-MPR.18.DTJV.6.5.1 PRECAST MOULD_CASTING BED	217.00d 20-Aug-1		-		100%	8.33%	21-Apr-20, MTHL-PKG2-MPR 18.DTJV.6.5.1 PRECAST MOULD_CASTING BED
_	MTHL-PKG2-MPR.18.DTJV.6.5.2 SYSTEM FORM	209.00d 07-Aug-1				0%	0%	
N	MTHL-PKG2-MPR.18.DTJV.6.6 MATERIAL SUPPLIERS	500.38d 02-Jun-18				0%	0%	03-May-20, MTHL-PKG2-MPR 18.DTJV.6.6 MATERIAL SUPPLIERS
	MTHL-PKG2-MPR.18.DTJV.6.8 MATERIAL PROCUREMENT	0.00d		08-Aug-18		0%	0%	25-Sep-19, MTHL-PKG2-MPR.18.DT.JV.6.8, MATERIAL PROCUREMENT:
	MTHL-PKG2-MPR.18.DTJV.6.8.1 TEMPORARY BRIDGE	0.00d		08-Aug-18		0%	0%	25-Sep-19, MTHL-PKG2-MPR 18.DTJV 6.8;1 TEMPORARY BRIDGE
_	MTHL-PKG2-MPR.18.DT JV.6.8.2 PERMANENT WORKS	0.00d		25-Mar-19		0%	0%	25-Sepi-19, MTHL-PKG2-MPR.18.DTJV.6.8;2 PERMANENT WORKS
	MTHL-PKG2-MPR.18.DTJV.6.7 PROCUREMENT OF STEEL GIRDER	474.00d 07-May-1	23 Aug 20			0%	0%	y 04-Mar-21, MTHL-PKG2-MPR;18;DT,JV(6.7; PRQCUREME
	MTHL-PKG2-MPR.18.DT JV.6.7.1 STEEL PLATE FOR (RHS.STEEL MOUDLE-2_MP177 - MP182)	405.00d 04-Jun-19		04-оср-13		0%	0%	22-Nov20 MtH-PRG2-MPR 18 DT V6.7.1 STEEL PLATE FOR (F
				04.0== 40	_		0%	D8.Seb.20 MTH -PKG2MPR 18 DT.V6 7 2 STEFL PLATE FOR (LHS ST
_	MTHL-PKG2-MPR.18.DT.JV.6.7.2 STEEL PLATE FOR (LHS.STEEL MOUDLE-2_MP177 - MP182)	345.00d 07-May-1		04-Sep-19		0%	0%	30-\$ep-20, MTHLPKG2-MPR/18;DTJV/6.7.3 STEEL PLATE FOR (RHS.
_	MTHL-PKG2-MPR.18.DTJV.6.7.3 STEEL PLATE FOR (RHS.STEEL MOUDLE-3_MP183 - MP186)	315.00d 01-Jul-19	1		++	0%	0%	10-Aug-20, MTHL-PKG2-MPR.18.DTJV.6.7.4 STEEL.PLATE FOR (LHS.STEE
	MTHL-PKG2-MPR.18.DTJV.6.7.4 STEEL PLATE FOR (LHS.STEEL MOUDLE-3_MP183 - MP186)	315.00d 04-Jun-19				0%	0%	
	MTHL-PKG2-MPR.18.DTJV.6.7.5 STEEL PLATE FOR (RHS.STEEL MOUDLE-1_MP176 - MP171)	390.00d 30-Jul-19				0%	0%	Variation in the internation of
	MTHL-PKG2-MPR.18.DTJV.6.7.6 STEEL PLATE FOR (LHS.STEEL MOUDLE-1_MP176 - MP171)	390.00d 02-Jul-19				0%	0%	7 24-Feb;21, MTHL-PK\$2-MPR.18.DTJV.6.7;6 STEEL PLAT
	THL-PKG2-MPR.18.DTJV.7 CONSTRUCTION	1541.32d 02-Apr-18	21-Jun-22	02-Apr-18		23.2%	10.05%	
N	MTHL-PKG2-MPR.18.DTJV7.1 TEMPORARY WORK	1541.32d 02-Apr-18				97.95%	80.85%	
	MTHL-PKG2-MPR.18.DTJV.7.1.1 PREPARATION WORK	289.17d 02-Apr-18	16-Jan-19	02-Apr-18	25-Jul-19	0%	0%	25-Jul-19 A, MTHL-PKG2;MPR:18;DTJV:7.1.1 ;PREPARATION W ORK
	MTHL-PKG2-MPR.18.DTJV.7.1.1.1 MANGROOVE CUTTING	67.00d 02-Apr-18	30-Jun-18	02-Apr-18	22-Nov-1	0%	0%	ACCEPTION OF THE PROPERTY AND A MICHAEL PROPERTY AND
	MTHL-PKG2-MPR.18.DT JV.7.1.1.2 PREPARATION WORK_SATELLITE TEMPORARY JETTY	21.00d 12-Apr-18	07-May-18	25-Jul-18	12-Sep-1	0%	0%	12;Sep-18 A, MTHL-PKG2MPR:18;DtJV/7:1.1.2 PREPARATION WORK_SATELLITE TEMPORARY JETTY
	MTHL-PKG2-MPR.18.DT JV.7.1.1.3 PREPARATION WORK_CASTING YARD	161.00d 13-Apr-18	16-Jan-19	19-Apr-18	25-Jul-19	0%	0%	25-Jul-19 A, MTHL-PKG2-MPR/18 DTJV/7.1.1.3 PREPARATION WORK CASTING YARD
	MTHL-PKG2-MPR.18.DT JV.7.1.1.4 PREPARATION WORK_LABOR CAMP & LAYDOWN	50.00d 29-May-1	24-Oct-18	15-May-18	03-Jul-19	0%	0%	O3-Jul 19 A, MTHL-PKG2-MPR 18.DTJ.V.7.11;4 PREPARATION WORK_LABOR CAMP.&LAYDOWN
	MTHL-PKG2-MPR.18.DTJV.7.1.2 ESTABLISHMENT OF EMPOLYER & CONTRACTOR OFFICE	159.75d 20-Jun-18	27-Nov-18	27-Jun-18	18-Jan-19	100%	100%	18-Jan-19 A, MTHL-PKG2-MPR:18;DTJV.7.1.2; ESTABLISHMENT OF EMPOLYER & CONTRACTOR OFFICE:
	MTHL-PKG2-MPR.18.DT JV.7.1.2.1 EMPLOYER & ENGINEER OFFICE	159.75d 20-Jun-18	27-Nov-18	17-Aug-18	18-Jan-19	100%	100%	18-Jan-19 A, MTHL-PKG2-MPR:18/DTJV:7.1.2.1 EMPLOYER & ENGINEER/OFFICE
	MTHL-PKG2-MPR.18.DTJV.7.1.2.2 CONTRACTOR OFFICE	159.75d 20-Jun-18	27-Nov-18	27-Jun-18	24-Nov-1	0%	0%	24-Nov-18;A, MTHL-PKG2-NPR.18.DTJV.7;1.2.2; CONTRACTOR OFFICE
	MTHL-PKG2-MPR.18.DTJV.7.1.3 ESTABLISHMENT OF LABOUR CAMP	289.00d 20-Jun-18	05-Apr-19	03-Jul-18	04-Apr-19	0%	0%	▼ 04-Apt-19 A, MTHL-PKG2-MPR 18.DTJV.7;1.3 ESTABLISHMENT OF LABOUR CAMP
	MTHL-PKG2-MPR.18.DTJV.7.1.3.1 PHASE-1_Block 1-2(480 Bed)	149.83d 20-Jun-18	17-Nov-18	03-Jul-18	18-Dec-1	0%	0%	18-Dec-18 A, MTHL-PKG2-MPR-18-DTJV-7.1.3;1 PHASE-1_Block 1-2(480 Bed)
	MTHL-PKG2-MPR.18.DTJV.7.1.3.2 PHASE-2_Block 3-4(480 Bed)	124.88d 19-Aug-1	22-Dec-18	19-Aug-18	18-Jan-19	0%	0%	18-Jan-19 A, MTHL-PKG2-MPR:18;DTJV:7.1.3;2 PHASE-2_Block 3:4(480 Bed)
	MTHL-PKG2-MPR.18.DTJV.7.1.3.3 PHASE-3_Block 5-6(480 Bed)	111.17d 16-Oct-18	04-Feb-19	29-Sep-18	12-Mar-1	0%	0%	12 Mar-19 A, M/TH, L-PKG2-MPR 18,DT/V.7.1;3.3 PHASE-3 Block 5-6(480 Bed.)
	MTHL-PKG2-MPR.18.DTJV.7.1.3.4 PHASE-4_Block 7-8(480 Bed)	155.17d 01-Nov-1	 		++	0%	0%	04-Apr-19 A. MTHL-PKC2-MPR 18.DTJV.7; 1.3.4; PHASE;4_Block;7-8(480 Bed)
	MTHL-PKG2-MPR.18.DTJV.7.1.4 ESTABLISHMENT OF CONCRETE CASTING YARD	355.83d 04-May-1	· ·			100%	95.96%	7 09-Jul-20, MTHL-PKG2-MPR 18.DTJV.7.1.4 ESTABLISHMENT OF CONCRETE C
_	MTHL-PKG2-MPR.18.DTJV.7.1.5 ESTABLISHMENT OF STEEL SPAN ASSEMBLY YARD	342.00d 02-Nov-1			+	0%	0%	13;May-21;MTHĻ-PKG2-MPR:18.DTJV:7;1.5 EST/
_	MTHL-PKG2-MPR.18.DTJV.7.1.6 TEMPORARY BRIDGE	1493.32d 20-May-1		27-Jul-18		96.49%	70.04%	
		365.00d 21-Jun-21		27 001 10		0%	0%	
	A13700 Removal of Temporary Bridge & Casting Yard MTHL-PKG2-MPR.18.DT.JV.7.1.6.1 TEMPORARY BRIDGE FACILITY-EQUIPMENT MOBILIZATION	152.08d 20-May-1		27 Jul 19	25 Apr 10	0%	0%	25-Apr-19 A, MTHL-PKG2-MPR 18.DTJV.7.1.6;1. TEMPORARY BRIDGE FACILITY-EQUIPMENT MOBILIZATION
		100 17 1 01 1 10	17.4 10	00.1	101 1110	1000/	100%	24-Jul-19-A, MTHL-PKG2-MPR-18.DT;V.7.1,6.2 TEMPORARY BRDIGETYPE 1_FROM MP226(16+010) - MP249(1
	MTHL-PKG2-MPR.18.DT.JV.7.1.6.2 TEMPORARY BRDIGE TYPE 1_FROM MP226(16+010) - MP249(17+320)	439.17d 04-Jun-18 130.00d 04-Jun-18				100%	100%	
	MTHL-PKG2-MPR.18.DTJV.7.1.6.2.1 TEAM-5 & 6_MP249 - MP241					0%	0%	
	MTHL-PKG2-MPR.18.DTJV.7.1.6.2.2 TEAM-3 & 4_MP240 - MP233	374.17d 08-Aug-1				100%	100%	V 09-Apr-20, MTrL-PKG2-MPR-18, DTJV: 7.1.6, 3 TEMPORARY BRDIGE TYPE 3_FROM: MF
	MTHL-PKG2-MPR.18.DTJV.7.1.6.3 TEMPORARY BRDIGE TYPE 3_FROM MP207(14+870) - MP226(16+010)					100%	62.05%	
	MTHL-PKG2-MPR.18.DTJV.7.1.6.3.2 TEAM-2_MP216-MP230	415.08d 24-Jul-18				100%	43.84%	<u>09-Apr-20, MTHI</u> -PKG2-MPR:18:DTJV:7.1.6:3.2 TEAM-2_MP216-MP230:
	MTHL-PKG2-MPR.18.DTJV.7.1.6.3.1 TEAM-1_MP207 & MP216-MP206	236.04d 26-Jul-18				100%	90.38%	
	MTHL-PKG2-MPR.18.DTJV.7.1.6.4 MATERIAL LOADING JETTY	260.00d 31-Aug-1	1			100%	56.7%	T5-Jun-20, MTHL-PKG2-MPR:18.DTJV.7.;1.6.4. MATERIAL LOADING JETTY
IV	MTHL-PKG2-MPR.18.DTJV.7.2 PERMANENT WORK	1359.24d 03-Sep-1	•			13.43%	0.8%	
	MTHL-PKG2-MPR.18.DTJV.7.2.1 PRE-FABRICATION AND ASSEMBLY	1038.33d 18-Apr-19				2.6%	0%	\ <u>Վրամարական հետ և անականական արտականական արևականական արևանական կանական հարագարի և հայարական արևան անական և Հ</u>
	MTHL-PKG2-MPR.18.DTJV.7.2.2 MAIN BRIDGE	1359.24d 03-Sep-1	24-May-22	08-Dec-18		18.48%	2.12%	
	MTHL-PKG2-MPR.18.DT JV.7.2.2.1 MAIN BRIDGE FOUNDATION	932.00d 03-Sep-1	23-Mar-21	08-Dec-18		36.88%	6.68%	▼ 26-Feb-22, MTHL-PKG
	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1 MAIN BRIDGE PILE FOUNDATION	873.04d 03-Sep-1	23-Jan-21	08-Dec-18		46.26%	11.99%	▼ 30-Ñoý-21, MTH-L-PKG2-MPR./
	MTHL-PKG2-MPR.18.DT.JV.7.2.2.1.1.1 PILE LOAD TEST	77.17d 03-Sep-1	19-Nov-18	08-Dec-18		100%	75%	
	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.1.1 INITIAL PILE LOAD TEST	50.75d 03-Sep-1	19-Nov-18	08-Dec-18		100%	75%	22-Nov ¹ 19; MTHL-PKG2-MPR 18.DTJV.7; 2;2.1,1,1,1,1; INITIAL; PILE; LOAD; TEST
	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.1.2 ROUTINE & DYNAMIC LOAD TEST	0.00d				0%	0%	
	MTHL-PKG2-MPR-18.DTJV.7.2.2.1.1.7 MAIN BRIDGE PILE FOUNDATION_LAND 17+414~18+187 FROM	140.00d 30-Nov-1	15-May-19	01-May-19		100%	30.15%	¥ 31-Mai-20, MTHL-PKG2-MPR-18.DTJV.7.2.2.1.1.17 MAIN BRIDGE PILE FOUNDATION, LA
- Drin	mary Baseline					CONTRACTO	2.	Date Revision Checked Approve
	AGU (DALAGET) ODG	LITAN REGION DEVE	I OPMENI	Г АПТНОІ	RITY	· ·		25-Sep-19 R0
	(California)	LITAN KEUIUN DEVE	TOT MENT	AUTHOL	N1 1	DAEWOO	- TPL JV	V
_ ~	fical Remaining Work (MMRDA)							

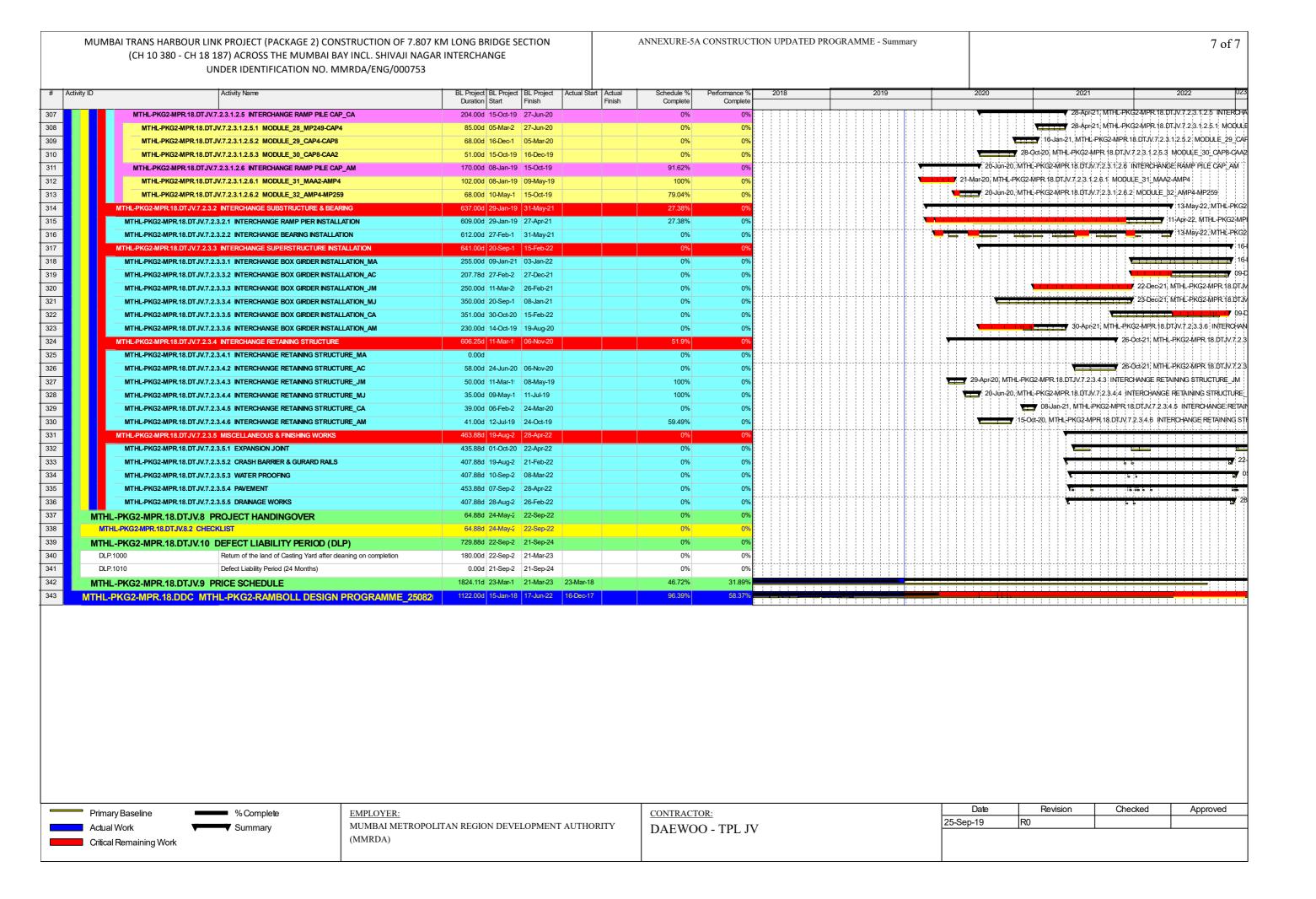
ш і л	it. ID		A att 2t - Ni - · · ·		DI Desiant DI Desi	IDI Deste d	A struct Other	A otro-1	Cab - dul - 0/	Dodow 6/1	2040		0000	ingg
# Acti	ity ID		Activity Name		BL Project BL Project Duration Start	BL Project Finish	Actual Start	Finish	Schedule % Complete	Performance % Complete	2018 2019 2020	2021	2022	023
103			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.7.2 MODULE-21_MP261 - MP2	257	80.00d 30-Nov-1	05-Mar-19	23-Aug-19		100%	27.01%	21-Feb-20, MTHL-F	KG2-MPR.18.DTJV.7.2.2.1.1.	7.2 MODULE-21 MP261 - MP257	
104			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.7.1 MODULE-22_MP266 - MP2	262	60.00d 06-Mar-1	15-May-19	01-May-19		100%	70.74%	25-Oct-19, M <u>tHL</u> -PkG2-MPR.1	8.DTJV.7.2.2.1.1.7.1 MODUL	E-22_MP266 - MP262	
105			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.7.3 MODULE-20_MP256 - MP2	255	32.00d 05-Dec-1	10-Jan-19			100%	0%	31-Mar-20, MTr	L-PKG2-MPR.18.DTJV.7.2.2.	1.1.7.3 MODULE+20 MP256 - MP255	
106			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.7.4 MODULE-19_MP254 - MP2	250	80.00d 11-Jan-19	16-Apr-19			100%	0%	11 (11) 31-Mai-20, MTI	L-PKG2-MPR.18.DTJV.7.2.2.	1.1.7.4 MODULE-19_MP254 - MP250	
107			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.6 MAIN BRIDGE PILE FOUNDATION	ON_CRZ 15+890~17+414 FROM N	253.25d 20-Dec-1	27-Nov-19	12-Jun-19		82.2%	19.81%	▼ 09-May-20,	MTHL-PKG2-MPR.18.DTJV.7	2.2.1.1.6 MAIN BRIDGE PILE FOUNDATI	ION_CRZ 15+
108			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.6.5 MODULE-14_MP231 - MP2	227	72.00d 17-Aug-1	27-Nov-19			19.95%	0%	07-Api-20, MTI	IL-PKG2-MPR 18 DTJV.7.2.2.	1.1.6.5 MODULE-14_MP231 - MP227	
109			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.6.1 MODULE-15_MP236 - MP2	232	120.00d 08-Mar-1	26-Aug-19	08-Aug-19		100%	29%	16-Jan-20, MŤHĽ-PĶG	2-MPR 18.DTJV.7 2.2.1.1.6.1	MODULE-15_MP236 - MP232	
110			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.6.2 MODULE-16_MP240 - MP2	237	65.25d 20-Dec-1	08-Mar-19	12-Jun-19		100%	75.22%	21-Nov+19, MTHL-PKG2-MP	R.18.DTJV.7.2.2.1.1.6.2 MOI	DULE-16_MP240 - MP237	
111			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.6.3 MODULE-17_MP245 - MP2	241	72.00d 20-Mar-1	17-Jun-19			100%	0%	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 	MTHL-PKG2-MPR 18.DTJV.7	2.2.1.1.6.3 MODULE-17_MP245 - MP24	И
112			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.6.4 MODULE-18_MP249 - MP2	246	53.00d 21-Jan-19	26-Mar-19			100%	0%	13-Feb-20, MTHL-P	(G2-MPR.18.DTJV.7, 2.2.1, 1.6	.4 MODULE-18_MP249 - MP246	
113			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.5 MAIN BRIDGE PILE FOUNDATION	ON_INTERTIDAL 14+800~15+890	356.75d 27-Feb-1	06-Jun-20			25.78%	0%		□ 03-Ma	y-21, MTHL-PKG2-MPR 18.DTJV 7.2.2 1.1	1.5 MAIN BR
114			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.5.1 MODULE-10_MP211 - MP2	207	72.00d 12-Mar-2	06-Jun-20			0%	0%	***	03-Ma	y-21, MTHL-PKG2-MPR 18.DTJV.7.2.2.1.1	1.5.1 MODUL
115			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.5.2 MODULE-11_MP216 - MP2	212	304.00d 27-Feb-1	03-Apr-20			19.86%	0%	<u> </u>		MTHL-PKG2-MPR:18.DTJV.7.2.2.1.1.5.2	: : : : П
116			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.5.3 MODULE-12_MP221 - MP2	217	140.00d 06-Apr-19	30-Oct-19			80.94%	0%	<u> </u>	26-Sep-20, MTHL-PKG2-MI	PR.18.DTJV.7.2.2.1.1.5.3 MODULE-12_M	IP221 - MP21
117			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.5.4 MODULE-13_MP226 - MP2	222	84.00d 30-Oct-19	06-Feb-20			0%	0%	· · · · · · · · · · · · · · · · · · ·	07-Jan-21, MTHL	PKG2-MPR 18 DTJV 7.2.2 1.1.5 4 MODU	JLE-13_MP22
118			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.4 MAIN BRIDGE PILE FOUNDATION	ON_MARINE 13+610~14+800 FRC	263.00d 12-Dec-1	28-Nov-20			0%	0%	†		12 Jul-21, MTHL-PKG2-MPR 18 DTJV.7.2	
119			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.4.4 MODULE-09_MP206 - MP2	202	72.00d 12-Dec-1	06-Mar-20			0%	0%	<u> </u>		G2-MPR 18 DTJV 7.2.2 1.1.4.4 MODULE	1 [1 1 1 1 1 1
120			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.4.3 MODULE-08_MP201 - MP	197	72.00d 22-Feb-2	19-May-20			0%	0%		28-Jan-21, MTI	L-PKG2-MPR.18.DTJV.7.2.2.1.1.4.3 MOI	DULE 08_MP
121			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.4.2 MODULE-07_MP196 - MP	192	81.00d 02-May-2	08-Sep-20			0%	0%		111111 05-Ma	y-21, MTHL-PKG2-MPR 18.DTJV.7.2.2.1.	.1.4.2 MODUL
122			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.4.1 MODULE-06_MP191 - MP	187	72.00d 21-Aug-2	28-Nov-20			0%	0%		\	12-Jul-21, MTHL-PKG2-MPR 18.DTJV.7.2	2.2.1.1.4.1 M
123			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.3 MAIN BRIDGE PILE FOUNDATION	ON_MARINE (STEEL) 11+880~13+	324.00d 27-Nov-1	23-Jan-21			0%	0%	· · · · · · · · · · · · · · · · · · ·		30-Nov-21, MTHL-PKG2-MF	PR.18.DTJV.7
124			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.3.4 STEEL MODULE-03_MP18	86 - MP183	112.75d 30-May-2	21-Nov-20			0%	0%		18	3-Jun-21, MTHL-PKG2-MPR 18.DTJV.7,2.2	2.1.1.3.4 STE
125			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.3.3 STEEL MODULE-02_MP18	82 - MP177	216.00d 27-Nov-1	10-Sep-20			0%	0%	Y -1-1-1-1-1	30-Jan-21, MTI	L-PKG2-MPR.18.DTJV.7.2.2.1.1.3.3 STE	ELMODULE
126			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.3.2 STEEL MODULE-01_MP1	76 - MP171	130.88d 30-Jul-20	23-Jan-21			0%	0%		<u> </u>	30-Nov-21, MTHL-PKG2-MF	PR.18 DTJV.7
127			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.2 MAIN BRIDGE PILE FOUNDATION	ON_MARINE 10+380~11+880 FRO	302.00d 24-Nov-1	28-Dec-19	19-Feb-19		75.16%	22.76%	√ 2	7-Aug-20, MTHL-PKG2-MPR.	18.DTJV.7.2.2.1.1,2 MAIN BRIDGE PILE	FOUNDATION
128			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.2.4 MODULE-05_MP171 - MP	167	70.00d 19-Jun-19	16-Oct-19			75.3%	0%	11111 02-Jun-20	, MTHL-PKG2-MPR 18.DTJV	7.2.2.1.1.2.4 MODULE 05_MP171 - MP1	167
129			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.2.3 MODULE-04_MP166 - MP	162	72.00d 24-Nov-1	18-Feb-19	19-Feb-19		100%	70.21%	14-Dec-19, MTHL-PKG2-N	IPR.18.DTJV.7,2.2.1,1.2.3 M	DDULE-04_MP166 - MP162	
130			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.2.2 MODULE-03_MP161 - MP	157	72.00d 22-Jan-19	18-Apr-19	03-Apr-19		100%	39.72%	11-Jan-20, MTHL-PKG2	-MPR 18.DTJV.7.2.2.1.1.2.2	MODULE-03_MP161 - MP157	
131			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.2.1 MODULE-02_MP156 - MP	152	72.00d 16-Apr-19	27-Jul-19			100%	0%	Тататат (16- д рг-20, МП	IL-PKG2-MPR 18 DTJV.7.2.2	1.1.2.1 MODULE-02_MP156 - MP152	
132			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.1.2.5 MODULE-01_MP151 - MP	146	72.00d 04-Oct-19	28-Dec-19			0%	0%	2	7-Aug-20, MTHL-PKG2-MPR.	18.DTJV.7.2.2.1.1.2.5 MODULE:01_MP1	51 - MP146
133			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2 MAIN BRIDGE PILE CAP INSTALLAT	ION	622.38d 22-Dec-1	23-Mar-21	01-May-19		27.07%	1.14%	\		26-Feb-22, MTHL-F	PKG2-MPR.18
134			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7 MAIN BRIDGE PILE CAP BOTTO	OM SLAB INSTALLATION	594.50d 22-Dec-1	17-Feb-21	19-Aug-19		0%	0%			11-Dec-21, MTHL-PKG2-M	/PR.18.DTJV.7
135			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.6 MAIN BRIDGE PILE CAP B	OTTOM SLAB_CRZ 15+890~17+4	243.13d 17-Jan-19	12-Dec-19	19-Aug-19		0%	0%	▼ 15-May-20	MTHL-PKG2-MPR 18.DTJV.7	.2.2.1.2.7.6 MAIN BRIDGE PILE CAP BC	OTTOM SLAB
136			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.6.5 MODULE-14_MP231	- MP227	61.88d 28-Sep-1	12-Dec-19			0%	0%	28-Apr-20, N	THL-PKG2-MPR 18.DTJV.7.2	2.1.2.7.6.5 MODULE-14_MP231 - MP22	27
137			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.6.1 MODULE-15_MP236	- MP232	106.00d 05-Apr-19				0%	0%	28-Feb-20, MTHL-	PKG2-MPR.18.DTJV.7.2.2.1.2	.7.6.1 MODULE-15_MP236 - MP232	
138			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.6.2 MODULE-16_MP240	- MP237	51.25d 17-Jan-19	20-Mar-19	19-Aug-19		0%	0%	01-Jan-20, MTHL-PKG2	MPR.18.DTJV.7.2.2.1.2.7.6.2	MODULE-16_MP240 - MP237	
139			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.6.3 MODULE-17_MP245	- MP241	58.00d 17-Apr-19	03-Jul-19			0%	0%	15-May-20	MTHL-PKG2-MPR 18.DTJV.7	.2.2.1.2.7.6.3 MODULE-17_MP245 - MP	241
140			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.6.4 MODULE-18_MP249	- MP246	44.00d 19-Feb-1	12-Apr-19			0%	0%	19-Feb-20, MTHL-F	KG2-MPR.18.DTJV.7.2.2.1.2.	7.6.4 MODULE-18_MP249 - MP246	
141			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5 MAIN BRIDGE PILE CAP B	OTTOM SLAB_INTERTIDAL 14+8	350.00d 06-Apr-19	18-Jul-20			0%	0%		₩ 09	Jun-21, MTHL-PKG2-MPR 18.DTJV 7.2.2	1.2.7.5 MAII
142			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5.1 MODULE-10_MP211 -	- MP207	68.00d 15-Apr-20	18-Jul-20			0%	0%		(09) The state of	Jun-21, MTHL-PKG2-MPR 18.DTJV.7.2.2	1.2.7.5.1 M
143			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5.2 MODULE-11_MP216	- MP212	282.00d 06-Apr-19	15-Apr-20			0%	0%		<mark>սիակլ</mark> 18-Mar-21,	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5	2 MODULE-
144			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5.3 MODULE-12_MP221	- MP217	122.00d 10-May-1	12-Nov-19			0%	0%	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	▼ 10-Oqt-20, MTHL-PKG2-M	PR 18 DTJV 7.2.2 1.2.7 5.3 MODULE-12	MP221 - MP
145			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5.4 MODULE-13_MP226	- MP222	66.00d 03-Dec-1	18-Feb-20			0%	0%		19-Jan-21, MTH	-PKG2-MPR.18.DTJV.7.2.2.1.2.7.5.4 MC	ODULE-13_MI
146			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.4 MAIN BRIDGE PILE CAP B	OTTOM SLAB_MARINE 13+610~	239.00d 21-Jan-20	10-Dec-20			0%	0%		Y	▼ 18-Aug-21, MTHL-PKG2-MPR 18.DTJ	JV.7.2.2.1.2.7.
147			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.4.4 MODULE-09_MP206	- MP202	50.00d 21-Jan-20	20-Mar-20			0%	0%		30-Dec-20, MTHL-	PKG2;MPR.18.DTJV.7.2.2.1.2.7.4.4; MOD	DULE-09_MP2
148			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.4.3 MODULE-08_MP201	- MP197	58.00d 23-Mar-2	30-May-20			0%	0%		27-Feb-21, N	ITHL-PKG2-MPR 18.DTJV.7.2.2.1.2.7.4.3	MODULE-08
149			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.4.2 MODULE-07_MP196	- MP192	77.00d 30-May-2	08-Oct-20			0%	0%		100 107 22-N	lay-21, MTHL-PKG2-MPR 18.DTJV.7.2,2.1	1.2.7.4.2 MO
150			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.4.1 MODULE-06_MP191	- MP187	52.00d 08-Oct-20	10-Dec-20			0%	0%		No.	18-Aug-21, MTHL-PKG2-MPR.18.DTJ	JV.7.2.2.1.2.7.
151			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.3 MAIN BRIDGE PILE CAP P	RECAST SHELL_MARINE (STEEL	308.00d 08-Jan-20	17-Feb-21			0%	0%	<u> </u>		11-Dec-21, MTHL-PKG2-M	IPR 18.DTJV
152			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.3.2 STEEL MODULE-01_	MP176 - MP171	90.13d 02-Nov-2	17-Feb-21			0%	0%			11-Dec-21, MTHL-PKG2-M	1 1 1 1 1
153			MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.3.3 STEEL MODULE-02_	MP182 - MP177	190.00d 08-Jan-20	26-Sep-20			0%	0%	₹	11-Feb-21, MT	HL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.3.3	STEEL MODU
					,					:				
	- Prim	narv R	Baseline	EMPLOYER:					CONTRACT	OR:	Date	Revision	Checked Appro	roved
		ial Wo		MUMBAI METROPOLITA	AN REGION DEVE	LOPMENT	AUTHOR	RITY			25-Sep-19	R0		
			·	(MMRDA)					DAEWO	O - TPL JV				
	- Critic	Jai Ke	emaining Work	,										
L				L										

# Activity ID	Activity Name		BL Project BL Project BL Project Actual Start Actual Duration Start Finish Finish	Schedule % Complete	Performance % Complete	2018	2019	2020	202		2022 023
154	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.3.4 STEEL MODULE-03_MF	P186 - MP183	82.00d 07-Aug-2 03-Dec-20	0%	0%						2-MPR.18.DTJV.7.2.2.1.2.7
155	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.2 MAIN BRIDGE PILE CAP BOT		298.00d 22-Dec-1 21-Jan-20	0%	0%		,		31-0a-20, MTHL-PKG2	MPR 18.DT V.7.2, 2.1.2, 7	2 MAIN BRIDGE PILE CAP I
156	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.2.4 MODULE-05_MP171 - N	MP167	44.00d 24-Aug-1 28-Oct-19	0%	0%			10,000 30-Ju	I-20, MTHL-PKG2-MPR.18.	OTJV.7.2.2.1.2.7.2.4 MOD	ULE-05_MP171 - MP167
157	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.2.3 MODULE-04_MP166 - M	MP162	58.00d 22-Dec-1 01-Mar-19	0%	0%		,	28-Jan-20, MTHL-PKG	2-MPR.18.DTJV.7.2 2.1.2 7.	2.3 MODULE-04_MP166	-MP162
158	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.2.2 MODULE-03_MP161 - M		58.00d 01-Mar-1 10-May-19	0%	0%			27-Mar-20, MTHL	PKG2-MPR.18.DTJV.7.2,2	1.2.7.2.2 MODULE-03_M	P161 - MP157
159	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.2.1 MODULE-02_MP156 - M		58.00d 15-May-1 16-Aug-19	0%	0%			1000 26-May-20,	MTHL-PKG2-MPR.18.DTJ\	7.2.2.1.2.7.2.1 MODULE	02_MP156 - MP152
160	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.7.2.5 MODULE-01_MP151 - M		68.00d 01-Nov-1 21-Jan-20	0%	0%			\	1 31-0α-20, MTHL-PKG2	MPR 18.DT V.7.2 2.1.2 7	2.5 MODULE-01_MP151 - M
161	MTHL-PKG2-MPR.18.DT.JV.7.2.2.1.2.8 MAIN BRIDGE PILE CAP INSTALL		619.13d 27-Dec-1 23-Mar-21 01-May-19	27.07%	1.14%						Feb-22, MTHL-PKG2-MPR 18
162	MTHL-PKG2-MPR-18.DTJV.7.2.2.1.2.8.6 MAIN BRIDGE PILE CAP LAN		139.00d 27-Dec-1 13-Jun-19 01-May-19	100%	9.09%			25-Apr-20 MT	HL-PKG2-MPR.18.DTJV.7.2	2.1.2.8.6 MAIN BRIDGE	PILE CAP LAND 17+414~18
163	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.6.2 MODULE-21 MP261 - M			100%	0%			19-Mar-20, MTHL			
164	<u> </u>				30%			21-Nov-19, MTHL-PKG2-MPR		1 1 1 1 1 1 1 1 1	
165	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.6.1 MODULE-22_MP266 - N		59.00d 02-Apr-19 13-Jun-19 01-May-19 31.00d 01-Jan-19 06-Feb-19	100%	0%				HL-PKG2-MPR.18.DTJV.7.2		
									HL-PKG2-MPR.18.DTJV.7.2	1 1 1 1 1 1 1 1 1 1 1	
166	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.6.4 MODULE-19_MP254 - N		79.00d 08-Feb-1 13-May-19	100%	0%					1 1 1 1 1 1 1 1 1 1	GEPILE CAP CRZ 15+890~
167	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.5 MAIN BRIDGE PILE CAP_CR2		228.63d 04-Mar-1 08-Jan-20 28-Aug-19	55.78%	2.22%				MTHL-PKG2-MPR.18.DTJ\		1 1 1 1 1 1 1 1 1 1 1
168	MTHL-PKG2-MPR.18.DT.JV.7.2.2.1.2.8.5.5 MODULE-14_MP231 - M		64.63d 24-Oct-19 08-Jan-20	0%	0%			27-Mar-20, MTHL			1711111111
169	MTHL-PKG2-MPR.18.DT JV.7.2.2.1.2.8.5.1 MODULE-15_MP236 - N		60.00d 02-Sep-1 22-Nov-19	2.57%	0%			28-Jan-20, MTHL-PKG			
170	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.5.2 MODULE-16_MP240 - N		47.00d 02-Jul-19 26-Sep-19 28-Aug-19	98.03%	12.5%						
171	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.5.3 MODULE-17_MP245 - N		71.00d 29-Apr-19 16-Aug-19	100%	0%				MTHL-PKG2-MPR 18 DTJ		1 T 1 1 1 1 1 1 1 1 1
172	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.5.4 MODULE-18_MP249 - N		57.00d 04-Mar-1 10-May-19	100%	0%			13-Mar-20, MTHL-			249 - MP246 MPR 18.DTJV.7.2.2.1.2.8.4 N
173	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.4 MAIN BRIDGE PILE CAP_INT		366.00d 18-Apr-19 05-Sep-20	17.78%	0%						
174	MTHL-PKG2-MPR.18.DT.JV.7.2.2.1.2.8.4.1 MODULE-10_MP211 - M		84.00d 27-Apr-20 05-Sep-20	0%	0%						MPR 18.DTJV.7.2.2.1.2.8.4.1
175	MTHL-PKG2-MPR.18.DT.JV.7.2.2.1.2.8.4.2 MODULE-11_MP216 - M		295.00d 18-Apr-19 13-May-20	20%	0%						07JV.7.2.2.1.2.8.4.2 MODULI
176	MTHL-PKG2-MPR.18.DT.JV.7.2.2.1.2.8.4.3 MODULE-12_MP221 - N		135.00d 22-May-1 09-Dec-19	51.13%	0%						8.4.3 MODULE-12 MP221 -
177	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.4.4 MODULE-13_MP226 - N		79.00d 14-Dec-1 17-Mar-20	0%	0%				16-Feb-21, N		7.2.2.1.2.8.4.4 MODULE-13_
178	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.3 MAIN BRIDGE PILE CAP_MA		252.00d 01-Feb-2 06-Jan-21	0%	0%						-PKG2+MPR.18.DTJV.7.2.2.1.
179	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.3.4 MODULE-09_MP206 - M		63.00d 01-Feb-2 16-Apr-20	0%	0%						2.2.1.2.8.3.4 MODULE-09_M
180	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.3.3 MODULE-08_MP201 - N	MP197	71.00d 03-Apr-20 06-Jul-20	0%	0%				1 1 1 7 7 1 1 1 1		「JV.7.2.2.1.2.8.3.3 MODULE
181	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.3.2 MODULE-07_MP196 - M	MP192	94.00d 15-Jun-20 11-Nov-20	0%	0%				: : : : : : T : :		PR 18.DTJV.7.2.2.1.2.8.3.2 N
182	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.3.1 MODULE-06_MP191 - N	MP187	65.00d 21-Oct-20 06-Jan-21	0%	0%						-PKG2-MPR.18.DTJV.7.2.2.1.
183	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.2 MAIN BRIDGE PILE CAP_MA	RINE (STEEL) 11+880~13+610	325.88d 20-Jan-20 23-Mar-21	0%	0%			V			Feb-22, MTHL-PKG2-MPR.18
184	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.2.2 STEEL MODULE-01_MF	P176 - MP171	102.00d 21-Nov-2 23-Mar-21	0%	0%					 	Feb-22, MTHL-PKG2-MPR.18
185	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.2.3 STEEL MODULE-02_MF	P182 - MP177	208.00d 20-Jan-20 02-Nov-20	0%	0%						JV.7 2.2.1 2.8.2.3 STEEL MC
186	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.2.4 STEEL MODULE-03_MF	P186 - MP183	102.13d 27-Aug-2 07-Jan-21	0%	0%				1 1 1 1 1 1 1 1 1 1 1		-PKG2-MPR:18.DTJV.7.2.2.1
187	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.1 MAIN BRIDGE PILE CAP_MAI	RINE 10+380~11+880 FROM M	311.00d 03-Jan-19 17-Feb-20	62.02%	0%						2.8.1 MAIN BRIDGE PILE CA
188	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.1.4 MODULE-05_MP171 - N	MP167	57.00d 10-Sep-1 25-Nov-19	1.66%	0%			:			MODULE-05_MP171 - MP16
189	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.1.3 MODULE-04_MP166 - N	MP162	71.00d 03-Jan-19 29-Mar-19	100%	0%			24-Feb-20, MTHL-PI			
190	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.1.2 MODULE-03_MP161 - N	MP157	71.00d 14-Mar-1 08-Jun-19	100%	0%				HL-PKG2-MPR 18.DTJV.7.2		
191	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.1.1 MODULE-02_MP156 - N	MP152	71.00d 27-May-1 26-Sep-19	96.37%	0%			7 29-Jun-2	0, MTHL-PKG2-MPR.18.D	JV.7.2.2.1.2.8.1.1 MODU	_E-02_MP156 - MP152
192	MTHL-PKG2-MPR.18.DTJV.7.2.2.1.2.8.1.5 MODULE-01_MP151 - N	MP146	81.00d 14-Nov-1 17-Feb-20	0%	0%			<u> </u>	28-Nov-20, MTHL-PK	G2-MPR 18.DTJV.7.2.2.1.	2.8.1.5 MODULE-01_MP151
	MTHL-PKG2-MPR.18.DTJV.7.2.2.2 MAIN BRIDGE SUB-STRUCTURE		989.13d 09-Jan-19 24-Sep-21	30.71%	0%						₹ 25-Jul-22, MTHL-F
194	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1 MAIN BRIDGE PIER INSTALLATION		701.13d 09-Jan-19 28-Jul-21	34.68%	0%						16-May-22, M1HL-PKG2
195	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1.6 MAIN BRIDGE PIER_LAND 17+414	4~18+188 FROM MB251 TO M	221.09d 09-Jan-19 08-Nov-19	95.04%	0%			13-Jul			
196	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1.5 MAIN BRIDGE PIER_CRZ 15+890~	~17+414 FROM MB226 TO MB:	234.00d 26-Mar-1 06-Feb-20	43.87%	0%				28-Dec-20, MTHL	PKG2-MPR 18.DTJV.7.2.2	2.1.5 MAIN BRIDGE PIER (
197	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1.4 MAIN BRDIGE PIER_INTERTIDAL	14+800~15+890 FROM MB206	375.38d 11-May-1 16-Oct-20	13.64%	0%				in the second	02-Sep-21, MTHL-P	G2-MPR 18 DTJV 7.2.2.2.1.4
198	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1.3 MAIN BRIDGE PIER_MARINE 13+6	610~14+800 FROM MB187 TO	249.00d 19-Mar-2 18-Feb-21	0%	0%					11+Nov-21, M	THL PKG2-MPR 18.DTJV.7.2
199	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1.2 MAIN BRIDGE PIER_MARINE (STE	EEL) 11+880~13+610 FROM MI	394.88d 17-Feb-2 28-Jul-21	0%	0%				***************************************	 	10-May-22, Minte-PKG2
200	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.1.1 MAIN BRIDGE PIER_MARINE 10+		303.00d 07-Feb-1 13-Mar-20	54.64%	0%						
201	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.3 MAIN BRIDGE PIER CAP INSTALLATIO	N .	692.13d 08-Feb-1 27-Aug-21	28.62%	0%						27-Jun-22, MTHL-Pk
202	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.3.6 MAIN BRIDGE PIER CAP_LAND 17		209.09d 08-Feb-1 23-Nov-19	82.38%	0%			06-4			1 1 1 1 1 1 1 1 1 1
203	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.3.5 MAIN BRDIGE PIER CAP_CRZ 15+		229.00d 19-Apr-19 25-Feb-20	34.04%	0%						2.2.3.5 MAIN BRDIGE PIER
204	MTHL-PKG2-MPR.18.DTJV.7.2.2.2.3.4 MAIN BRIDGE PIER CAP_INTERTI	IDAL 14+800~15+890 FROM M	370.38d 06-Jun-19 05-Nov-20	10%	0%					29-Sep-21, MTHL	PKG2-MPR 18 DTJV 7.2.2.2
								Date	Revision	Checked	Approved
	ry Baseline % Complete	EMPLOYER:	N REGION DELTY ON THE	CONTRACTO				25-Sep-19	R0	- Criconou	πρρίονου
Actual	Work Summary		AN REGION DEVELOPMENT AUTHORITY	DAEWOO) - TPL JV				1	1	ı
Critical	Remaining Work	(MMRDA)									

MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.3 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.3.3 MAIN BRIDGE PIER CAP_MARINE 13+610~14+800 FROM MB 2.2.2.3.2 MAIN BRIDGE PIER CAP_MARINE (STEEL) 11+880~13+610 FI 2.2.2.3.1 MAIN BRIDGE PIER CAP_MARINE 10+380~11+880 FROM MB 2.2 MAIN BRIDGE BEARING PAD AND BEARING INSALLATION 2.2.2.2.6 MAIN BRIDGE BEARING_LAND 17+414~18+188 FROM MB25* 2.2.2.2.5 MAIN BRIDGE BEARING_CRZ 15+890~17+414 FROM MB226 2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM MB22.2.2.2.3 MAIN BRIDGE BEARING_MARINE 13+610~14+800 FROM MB22.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FROM MB22.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FROM MB12.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880 FROM MB12.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880 FROM MB12.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB12.2.2.2.2.2.1	348.88d 30-Apr-20 44 289.00d 15-Mar-1 944.79d 22-Feb-1 T 180.50d 22-Feb-1 TC 287.88d 08-May-1 MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	27-Aug-21 01-Apr-20 24-Sep-21 22-Aug-19 20-Feb-20 14-Sep-20	Finish	Complete 0% 0% 45.53% 4.8% 100%	Complete 0%							15-Jan-2			7:2.2.2.3.1 MA	7-Jun-22, MTI IAIN BRIDGE
MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.3 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.3.2 MAIN BRIDGE PIER CAP_MARINE (STEEL) 11+880~13+610 FI 2.2.2.3.1 MAIN BRIDGE PIER CAP_MARINE 10+380~11+880 FROM MB 2.2 MAIN BRIDGE BEARING PAD AND BEARING INSALLATION 2.2.2.2.6 MAIN BRIDGE BEARING_LAND 17+414~18+188 FROM MB25- 2.2.2.2.5 MAIN BRIDGE BEARING_CRZ 15+890~17+414 FROM MB226- 2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM MB2- 2.2.2.2.3 MAIN BRIDGE BEARING_MARINE 13+610~14+800 FROM MB2- 2.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FROM MB2- 2.2.2.2.1 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FROM MB2- 2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB2- 2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB2-	280 348.88d 30-Apr-20 44 289.00d 15-Mar-1 944.79d 22-Feb-1 T 180.50d 22-Feb-1 TC 287.88d 08-May-1 MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	27-Aug-21 01-Apr-20 24-Sep-21 22-Aug-19 20-Feb-20 14-Sep-20		0% 45.53% 4.8%	0% 0%										7:2.2.2.3.1 MA	7-Jun-22, MTI IAIN BRIDGE
MTHL-PKG2-MPR.18.DTJV.7.2 MTHL-PKG2-MPR.18.DTJV.7.2 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.3.1 MAIN BRIDGE PIER CAP_MARINE 10+380~11+880 FROM MB 2.2 MAIN BRIDGE BEARING PAD AND BEARING INSALLATION 2.2.2.2.6 MAIN BRIDGE BEARING_LAND 17+414~18+188 FROM MB25* 2.2.2.2.5 MAIN BRIDGE BEARING_CRZ 15+890~17+414 FROM MB226 2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM MB22.2.2.2.3 MAIN BRIDGE BEARING_MARINE 13+610~14+800 FROM MB22.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FR 2.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880 FROM MB12.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB12.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB12.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB12.2.2.2.2.1	44 289.00d 15-Mar-1 944.79d 22-Feb-1 T 180.50d 22-Feb-1 TC 287.88d 08-May-1 MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	01-Apr-20 24-Sep-21 22-Aug-19 20-Feb-20 14-Sep-20		45.53% 4.8%											7.2.2.2.3.1 MA	AIN BRIDGE
MTHL-PKG2-MPR.18.DTJV.7.2.2 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2 MAIN BRIDGE BEARING PAD AND BEARING INSALLATION 2.2.2.2.6 MAIN BRIDGE BEARING_LAND 17+414~18+188 FROM MB25 2.2.2.2.5 MAIN BRIDGE BEARING_CRZ 15+890~17+414 FROM MB226 2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM MB 2.2.2.2.3 MAIN BRIDGE BEARING_MARINE 13+610~14+800 FROM MB 2.2.2.2.1 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FR 2.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB	944.79d 22-Feb-1 T 180.50d 22-Feb-1 TC 287.88d 08-May-1 MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	24-Sep-21 22-Aug-19 20-Feb-20 14-Sep-20		4.8%								15-Jan-	21, MTHL-PKG2	2-MPR.18.DTJ\		1 1 1 1
MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.2.6 MAIN BRIDGE BEARING_LAND 17+414~18+188 FROM MB25* 2.2.2.2.5 MAIN BRIDGE BEARING_CRZ 15+890~17+414 FROM MB226 2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM MB* 2.2.2.2.3 MAIN BRIDGE BEARING_MARINE 13+610~14+800 FROM MB* 2.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FR 2.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB*	T 180.50d 22-Feb-1 TC 287.88d 08-May-1 MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	22-Aug-19 20-Feb-20 14-Sep-20			0%				1 1 1 1 1	V					· · · · · · ·	
MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.2.5 MAIN BRIDGE BEARING_CRZ 15+890~17+414 FROM MB226 2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM 2.2.2.2.3 MAIN BRIDGE BEARING_INARINE 13+610~14+800 FROM MB ² 2.2.2.2.2 MAIN BRIDGE BEARING_INARINE (STEEL) 11+880~13+610 FR 2.2.2.2.2 MAIN BRIDGE BEARING_INARINE 10+380~11+880 FROM MB ²	287.88d 08-May-1 MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	20-Feb-20 14-Sep-20		100%						1 1 1 1 1						25-Jul-22, M
MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.2.4 MAIN BRIDGE BEARING_INTERTIDAL 14+800~15+890 FROM 2.2.2.2.3 MAIN BRIDGE BEARING_IMARINE 13+610~14+800 FROM MB* 2.2.2.2.2 MAIN BRIDGE BEARING_IMARINE (STEEL) 11+880~13+610 FROM MB* 2.2.2.2.1 MAIN BRIDGE BEARING_IMARINE 10+380~11+880 FROM MB*	MI 443.00d 29-Jun-19 87 308.25d 07-Apr-20 OI 493.25d 19-May-2	14-Sep-20			0%					77117		MTHL-PKG2-MPI				
MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3	2.2.2.2.3 MAIN BRIDGE BEARING_MARINE 13+610~14+800 FROM MB 2.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FR 2.2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB1	87 308.25d 07-Apr-20 OI 493.25d 19-May-2			40%	0%					T	'	12-Jan-2				
MTHL-PKG2-MPR.18.DTJV.7 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.	.2.2.2.2 MAIN BRIDGE BEARING_MARINE (STEEL) 11+880~13+610 FF 2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB1	OI 493.25d 19-May-2	09-Feb-21		25%	0%					Y	-	: : : - :	10-Jul-			
MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2.2	2.2.2.2.1 MAIN BRIDGE BEARING_MARINE 10+380~11+880 FROM MB1				0%	0%									02-Nov-21	MTHL-PKG2-N	MPR:18;DTJ\
MTHL-PKG2-MPR.18.DTJV.7.2.2.3 MTHL-PKG2-MPR.18.DTJV.7.2. MTHL-PKG2-MPR.18.DTJV.7	<u> </u>		24-Sep-21		0%	0%											25-Jul-22, M
MTHL-PKG2-MPR.18.DTJV.7.2.	MAIN PRINCE OF DED CARRIOTE DE DOY OFFICE MOTALLATION	46 359.34d 25-Apr-19	18-Apr-20		50%	0%					-	- 14	15-Jan-2	21, MTHL-PKG2	-MPR.18.DTJV	7.2.2.2.1 MA	AIN BRIDGE
MTHL-PKG2-MPR.18.DTJV.7	MAIN BRIDGE SUPER STRUCTURE BOX GIRDER INSTALLATION	901.30d 12-Sep-1	01-Mar-22		0%	0%											
	3.1 MAIN BRIDGE CONCRETE GIRDER INSTALLATION	874.29d 12-Sep-1	02-Feb-22		0%	0%					V	1 1 1 1 1					10
	2.2.3.1.5 MAIN BRIDGE PC GIRDER_LAND 15+890~17+414 FROM MP2	51 168.29d 12-Sep-1	27-Feb-20		0%	0%							24-Nov-20, M	THL-PKG2-MP	R.18.DTJV.7.2.	.3.1.5 MAIN B	3RIDGE PC C
CN.LGA.1000	Assembly of Structural Parts in Launching Gantry_1	35.00d 12-Sep-1	17-Oct-19		36.88%	0%						•					
CN.LGA.1005	Assembly of Mechanical Parts in Launching Gantry_1	15.00d 17-Oct-19	01-Nov-19		0%	0%						•					
CN.LGA.1010	Assembly of Structural Parts in Launching Gantry_2	35.00d 12-Sep-1	17-Oct-19		36.88%	0%						=					
CN.LGA.1015	Assembly of Mechanical Parts in Launching Gantry_2	15.00d 17-Oct-19	01-Nov-19		0%	0%											
MTHL-PKG2-MPR.18.DTJ	7.2.2.3.1.5.1 MODULE-22_MP266 - MP262	45.88d 01-Nov-1	25-Dec-19		0%	0%						16	-Sep-20, MTHL-F	KG2-MPR.18.D	TJV.7.2.2.3.1.5	1 MODULE-22	2_MP266 - N
<u> </u>	_	45.88d 02-Dec-1	23-Jan-20		0%	0%							17-Oct-20, MTHI	-PKG2-MPR.18	.DTJV.7.2.2.3.	.5.2 MODULE	-21_MP261
<u> </u>					0%	0%							/ 30-Oct-20, MTI	L-PKG2-MPR.1	8.DTJV.7.2.2.3	1.5.3 MODULI	E-20_MP256
<u> </u>					0%	0%						•	24-Nov-20, N	ITHL-PKG2-MP	R.18.DTJV.7.2	.3.1.5.4 MOD	JULE-19_MP:
						0%							, 	21-Apr-21, MT	HL-PKG2-MPF	18.DTJV.7,2.2.	.3,1.4 MAIN
						0%							23-Dec 20	, MTHL-PKG2-N	лРR.18.DTJV.7	2.2.3.1.4.4 MC	ODULE-18_N
<u> </u>						0%							21-Jan	21, MTHL-PKG	2-MPR.18.DTJ	7.2.2.3.1.4.3	MODULE-17
<u> </u>						0%							15-F	eb-21, MTHL-PI	(G2-MPR.18.D	JV.7,2.2.3,1.4.	.2 MODULE
			-			0%							1 1	-Mar-21, MTHL	-PKG2-MPR.1	.DTJV.7 2.2.3 1	1.4.1 MODU
						0%											
	_					0%									28-Oct-21	MTHL-PKG2-W	/PR.18.DTJV
						0%											1 1 1 1
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					0%	0%										1 1 1 1 1	08-Sep-
MTHL-PKG2-MPR.18.DTJ	7.2.2.3.1.1.1 MODULE-02_MP156 - MP152	30.97d 29-Sep-2	05-Nov-21		0%	0%											Jun-22, MTHL
MTHL-PKG2-MPR.18.DTJ	7.2.2.3.1.1.5 MODULE-01_MP151 - MP146	30.97d 28-Jun-21	06-Oct-21		0%	0%											
MTHL-PKG2-MPR.18.DTJV.7.2.2	3.3 STITCH JOINT CASTING	630.50d 07-Dec-1	12-Feb-22		0%	0%						S					1 1 1 1
MTHL-PKG2-MPR.18.DTJV.7.2.2	3.2 MAIN BRIDGE STEEL GIRDER INSTALLATION	378.00d 03-Oct-20	01-Mar-22		0%	0%											20-0
MTHL-PKG2-MPR.18.DTJV.7	2.2.3.2.1 MAN BRIDGE STEEL GIRDER INSTALLATION_MARINE 11+88	~1 378.00d 03-Oct-20	01-Mar-22		0%	0%											20-0
MTHL-PKG2-MPR.18.DTJ	7.2.2.3.2.1.2 STEEL MODULE-01_MP176 - MP171 (INSTALLATION)	72.00d 07-Dec-2	01-Mar-22		0%	0%										1	20-0
y Baseline	■ % Complete <u>EMPLOYER:</u>				CONTRACTO	OR:						Date	+	<u>n</u>	Checked	A	Approved
Work	■ Summary MUMBAI METROPO	LITAN REGION DEVI	ELOPMENT .	AUTHORITY	DAEWO	O - TPL IV	7				25-Se	p-19	JR0				
	(MMRDA)				D1111 11 01												
. Cirianing Work																	
Λ	MTHL-PKG2-MPR.18.DT.JV MTHL-PKG2-MPR.18.DT.JV MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 CN.LGD.1000 CN.LGD.1010 MTHL-PKG2-MPR.18.DT.JV.7.2 CN.LGD.1000 CN.LGD.1010 MTHL-PKG2-MPR.18.DT.JV.7.2 CN.LGD.1020 CN.LGD.1030 MTHL-PKG2-MPR.18.DT.JV.7.2 CN.LGA.1030 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2 MTHL-PKG2-MPR.18.DT.JV.7.2.2 MTHL-PKG2-MPR.18.DT.JV.7.2.2 MTHL-PKG2-MPR.18.DT.JV.7.2.2 MTHL-PKG2-MPR.18.DT.JV.7.2.2 MTHL-PKG2-MPR.18.DT.JV.7.2.2	MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.5.1 MODULE-12_MP261 - MP262 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.5.2 MODULE-19_MP264 - MP255 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.5.3 MODULE-19_MP264 - MP255 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.4.1 MAIN BRIDGE PRECAST GIRDER_CRZ 15+890-17+414 FROM MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.4.3 MODULE-18_MP249 - MP246 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.4.2 MODULE-16_MP240 - MP237 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.4.2 MODULE-16_MP240 - MP237 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.4.1 MODULE-16_MP240 - MP237 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MAIN BIDGE PRECAST GIRDER_INTERTIDAL 14+800-15+890 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MAIN BIDGE PRECAST GIRDER_INTERTIDAL 14+800-15+890 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.3 MODULE-12_MP221 - MP221 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MODULE-19_MP210 - MP212 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MODULE-10_MP211 - MP217 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MODULE-10_MP211 - MP207 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MODULE-10_MP211 - MP207 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.3.1 MODULE-10_MP211 - MP207 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.2 MODULE-00_MP201 - MP202 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.2 MODULE-00_MP201 - MP197 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.2 MODULE-00_MP201 - MP197 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.2 MODULE-00_MP201 - MP197 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.2 MODULE-00_MP201 - MP197 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.1 MODULE-00_MP201 - MP197 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.2 MODULE-00_MP191 - MP197 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.1 MODULE-01_MP16 - MP192 MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.1 MODULE-01_MP16 - MP192 MTHL-PKG2-MPR18.DTJV.7.2.3.3.1 MODULE-01_MP16 - MP192 MTHL-PKG2-MPR18.DTJV.7.2.3.3.1 MODULE-01_MP16 - MP192 MTHL	MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.5.1 MODULE-22_MP266 - MP265 45.88d 01-Nov.1 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.5.2 MODULE-29_MP266 - MP265 30.88d 31-Dec.1 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.5.3 MODULE-19_MP264 - MP265 30.88d 31-Dec.1 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.4 MAN BRDGE PRECAST GROER_GRZ 15+890-17+414 FROM N 145.88d 04-Feb-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.4 MAN BRDGE PRECAST GROER_GRZ 15+890-17+414 FROM N 145.88d 04-Feb-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.4.2 MODULE-16_MP240 - MP237 40.88d 03-Dec.2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.4.2 MODULE-15_MP236 - MP231 40.88d 03-Dec.2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.3 MAN BDGE PRECAST GROER_NTERTDAL 14+800-15+890 F 110.97d 12-Sep-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.3 MODULE-12_MP21 - MP217 35.97d 08-Oct-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.3 MODULE-12_MP21 - MP217 35.97d 08-Oct-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.3 MODULE-10_MP211 - MP217 35.97d 08-Oct-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.2 MODULE-10_MP211 - MP207 40.97d 08-Oct-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.2 MODULE-10_MP211 - MP207 40.97d 08-Oct-2 MTHL-PKG2-MPR 18.DT.V.7.2.2.3.1.2 MODULE-06_MP206 - MP202	MTHL-PKG2-MPR18.DTJV.7.2.2.3.1.5.1 MODULE-12_MP266 - MP262	MTH_PKG2MPR18.DTJV7.2.2.3.1.5.1 MODULE-12_MP266 -MP262	MTHL-PKG2AMPR18.DTIV7.2.2.3.1.5.2 MODULE-21_MP261 - MP262 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.5.2 MODULE-20_MP261 - MP255 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.5.2 MODULE-20_MP261 - MP255 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.5.2 MODULE-21_MP261 - MP255 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.5.2 MODULE-21_MP261 - MP255 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.5.2 MODULE-21_MP264 - MP265 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.4 MODULE-19_MP264 - MP265 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.4 MODULE-19_MP264 - MP265 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.4 MODULE-19_MP264 - MP264 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.4 MODULE-19_MP264 - MP267 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.3 MODULE-19_MP264 - MP267 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.1 MODULE-19_MP264 - MP267 MTHL-PKG2AMPR18.DTIV7.2.2.3.1.1 MODULE	MTHL-PWG2MPR18.0T JV7.2.2.3.1.5.1 MODULE-12_MP265 - MP262	MTHL-PROZAMPR (B.DTAV7.2.2.3.1.3 MODULE-20_MP365 - MP262	MTHL-MOZAMPR 18 DTW/72.23.1.5.1 MODILE 22 MP36 - MP329	MTHA-PROCEAMER ID.DTV/22.23.15.2 MODILE-FILMPSE - MP257 45886 (0740-1) 25-0-19 0% 0% 0% 0% 0% 0% 0% 0	### PROGRAMMER OF TAY 22.23.1.8 MODULE 21 MPRE 1 MPRE 25	MITH_PROCEAMPRISTORT/22.23.15 AM DOUGLES UPPOS 4.888 0 196-1 0.96	######################################	######################################	######################################	###-PASSAMPRETAT/232155 NOOLOGE MORN- MADE ###-PASSAMPRETAT/23215 NOOLOG	MERICAN PROPERTY AND ALL STATES MODEL STATES

MU	IMBAI TRANS HARBOUR LINK PROJECT (PACKAGE 2) CONSTRUCTION OF 7.807 K (CH 10 380 - CH 18 187) ACROSS THE MUMBAI BAY INCL. SHIVAJI NAGAR UNDER IDENTIFICATION NO. MMRDA/ENG/000753		ECTION		ANNEXURE-5A	CONSTRUCT	CTION UPDATED PROGRAMME - Summary 6 of
# Activity ID	Activity Name	BL Project BL Project Duration Start	BL Project Finish	Actual Start Actual Finish	Schedule % Complete	Performance % Complete	
256	MTHL-PKG2-MPR.18.DT.JV.7.2.2.3.2.1.3 STEEL MODULE-02_MP182 - MP177 (INSTALLATION)	251.00d 03-Oct-20		1 111011	0%	0%	02T-b-22 NATH 31/27X 01
57	MTHL-PKG2-MPR.18.DTJV.7.2.2.3.2.1.4 STEEL MODULE-03_MP186 - MP183 (INSTALLATION)	57.00d 30-Sep-2			0%	0%	
58	MTHL-PKG2-MPR.18.DTJV.7.2.2.4 MISCELLANEOUS & FINISHING WORKS	809.84d 16-May-1			2.15%	0%	%6
59	MTHL-PKG2-MPR.18.DTJV.7.2.2.4.2 CRASH BARRIER & GURARD RAILS	546.66d 20-Feb-2	07-Mar-22		0%	0%	<mark>%</mark>
60	MTHL-PKG2-MPR.18.DTJV.7.2.2.4.4 WATER PROOFING	526.66d 26-Mar-2	17-Mar-22		0%	0%	<mark>%</mark>
61	MTHL-PKG2-MPR.18.DTJV.7.2.2.4.5 PAVEMENT	593.63d 16-Mar-2	24-May-22		0%	0%	%
62	MTHL-PKG2-MPR.18.DTJV.7.2.2.4.1 EXPANSION JOINT	503.75d 27-May-2	21-Apr-22		0%	0%	<mark>%</mark>
63	MTHL-PKG2-MPR.18.DT.JV.7.2.2.4.3 SUB STATION	508.88d 16-May-1	15-Apr-21		33.33%	0%	% 23-Febi22; MTHL-PKG2-MF
64	MTHL-PKG2-MPR.18.DT.JV.7.2.2.4.7 NOISE BARRIER	387.53d 16-Mar-2	14-Sep-21		0%	0%	<mark>%</mark> 21-May-22, MTH-L-F
65	MTHL-PKG2-MPR.18.DTJV.7.2.2.4.6 FENDER INSTALLATION	80.00d 24-Jul-21	24-Nov-21		0%	0%	<mark>%</mark> 20-Aµg∮22
66	MTHL-PKG2-MPR.18.DTJV.7.2.2.4.8 DRAINAGE WORKS	528.66d 16-Mar-2	09-Mar-22		0%	0%	<mark>%</mark>
67	MTHL-PKG2-MPR.18.DT.JV.7.2.2.4.9 SIGN BOARDS	60.00d 12-Feb-2	23-Apr-22		0%	0%	<mark>%</mark>
68	MTHL-PKG2-MPR.18.DTJV.7.2.3 INTERCHANGE	1221.08d 24-Dec-1	28-Apr-22		40.33%	0%	<mark></mark>
69	MTHL-PKG2-MPR.18.DTJV.7.2.3.1 INTERCHANGE FOUNDATION	668.08d 24-Dec-1	22-Oct-20		53.82%	0%	<mark>%</mark> 15-Oċt-21, MTHL-PKG2-MPR.18.DTJV.7.
70	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1 INTERCHANGE RAMP PILE FOUNDATION	321.00d 24-Dec-1	05-Mar-20		63.41%	0%	% 26-Feb-21, MTHL-PK\$2-MPR.18.DTJV.7.2;3.1.1 INTERCHANG
71	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.1 INTERCHANGE RAMP PILE FDN_MA	104.00d 05-Aug-1	03-Jan-20		21.95%	0%	%
72	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.1.1 MODULE_23_MAA2-MAP4	52.00d 05-Aug-1	02-Nov-19		43.53%	0%	% 26-Qct-20; M,TH,-PKG2-MPR.18.DTJV.7; 2, B.1, 1, 1, 1, MODULE_23_MAA/2-1
73	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.1.1.2 MODULE_24_MAP4-MP246	52.00d 02-Nov-1	03-Jan-20		0%	0%	% 26-Dec;20, MTHL-PKG2-MPR.18.DTJV.7.2;3.1.1;1.2 MODULE_;24_N
74	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.2 INTERCHANGE RAMP PILE FDN_AC	130.00d 01-Oct-19	05-Mar-20		0%	0%	<mark>%</mark>
75	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.2.1 MODULE_33_ACA2-ACP5	65.00d 01-Oct-19	19-Dec-19		0%	0%	% 11-Dec-20, MTHLPKG2-WPR,18.DTJV,7.2.3;1.1;2;1 MODULE_33_AC
76	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.1.2.2 MODULE_34_ACP5-MP256	65.00d 19-Dec-1	05-Mar-20		0%	0%	% 26-Feb-21, MTHL-PKG2-MPR 18.DTJV.7.2,3.1.1,2.2. MODULE
77	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.3 INTERCHANGE RAMP PILE FDN_JM	156.00d 03-Jan-19	05-Aug-19		100%	0%	<mark>%</mark> 21-júl-20, MTHL;PKG2-MPR;18,DTJV,7;2,3;1,1,3; INTERCHANGE RAMP;PILE;FDN_
78	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.1.3.1 MODULE_25_MP245-JMP4	65.00d 22-Apr-19	05-Aug-19		100%	0%	% 21-Jul-20, MTHL-PKG2-MPR, 18.DTJ.V, 7.2.3.1.1.3.1 MODULE_25_MP245-JMP4
79	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.3.2 MODULE_26_JMP4-JMP8	52.00d 19-Feb-1	20-Apr-19		100%	0%	<mark>√±±±</mark> 13¦Aqir20, MTHL¦PKG2;MPR 18,DTJV,7,2,3;1,1,3;2 }MQDÜLE,26_JMP4;JMP8
80	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.3.3 MODULE_27_JMP8-JMA2	39.00d 03-Jan-19	·		100%	0%	% 11;Feb-20, MTHL;PKG2;MPR,18,DTJV,7,2,3,1,1,3,3, MODULE;_27_JMP8;JMA2
81	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.4 INTERCHANGE RAMP PILE FDN_MJ	182.00d 03-Jan-19	01-Oct-19		98.02%	0%	% 16-Sep-20, MTHL-PKC2-MPR 18.DTJV.7;2.3.1,1.4 INTERCHANGE:RAMP PILE
82	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.4.1 MODULE_35_MJA2-MJP9	65.00d 03-Jan-19			100%	0%	% 13;Mar-20, MTHL;PKG2;MPR,18.DTJV;7;2.3.1;1.4;1;M0DULE_35_MJA2;MJP9
83	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.4.2 MODULE 36 MJP9-MJP4	65.00d 22-Mar-1			100%	0%	% 29-May-20, MTHL-PKG2;MPR:18:DTJV:7.2.3:1.1.4.2 MODULE_36_MJP9-MJP4
84	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.4.3 MODULE_37_MJP4-MP252	52.00d 11-Jun-19	01-Oct-19		93.03%	0%	% 16-Sep-20, MTHL-PKG2-MPR:18.DTJV:7,2,3,1,1,4,3, MODULE_87_MJP4-MP2
85	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.5 INTERCHANGE RAMP PILE FDN_CA	156.00d 28-May-1			36.57%	0%	% 07-Dec-20, MTHL-PKG2-WPR:18.DTJV:7.2.3;1.1.5; INTERCHANGE RA
86	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.5.1 MODULE_28_MP249-CAP4	65.00d 08-Nov-1			0%	0%	% 07-Dec-20, MTHL:PKG2-MPR.18.DTJ.V.7.2.3.1.1.5.1 MQDULE_28_MF
87	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.5.2 MODULE_29_CAP4-CAP8	52.00d 14-Aug-1	08-Nov-19		34.73%	0%	% 09;Sep-20, MTHL;PKG2-MPR.18,DTJV.7.2.3,1.1.5,2 ;MODULE_29_CAP4;CAP8
88	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.5.3 MODULE_30_CAP8-CAA2	39.00d 28-May-1	14-Aug-19		100%	0%	% 25-May-20, MTHL-PKG2-MPR.18.DTJV.7.2;3.1.1;5.3 MODULE_30_CAP8-CAA2
89	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.6 INTERCHANGE RAMP PILE FDN_AM	130.00d 24-Dec-1	-		100%	0%	% 08-Api-20, MTHL-PKG2-MPR-18 DTJV7.2.3 1.1,6 INTERCHANGE RAMP-PILE FDN_AM
90	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.6.1 MODULE_31_MAA2-AMP4	78.00d 24-Dec-1			100%	0%	% 06;Feb-20, MTHL;PKG2;MPR;18,DTJV;7.2.3;1,1.6;1 MODULE_3;1_MAA2;AMP4
91	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.1.6.2 MODULE_32_AMP4-MP259	52.00d 27-Mar-1	27-May-19		100%	0%	% 08-Apf-20, MTHL-PKG2-MPR.18, DTJ.V/7.2.3;1.1.6,2, MODULE_32_AMP4-MP259
92	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2 INTERCHANGE RAMP PILE CAP INSTALLATION	417.00d 08-Jan-19			40.04%	0%	<mark>%</mark>
93	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.1 INTERCHANGE RAMP PILE CAP_MA	136.00d 06-Dec-1	15-May-20		0%	0%	% 10-May-21, MTHL-PKG2-MPR.18.DTJV.7:2.3.1.2.1: INTI
94	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.1.1 MODULE_23_MAA2-MAP4	68.00d 06-Dec-1	24-Feb-20		0%	0%	<mark>%</mark> 17,Feb-21,M17Hi,-PKG2-MPR,18.D1JV.7;2,3.1;2.1.1,M0DULE_
95	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.1.2 MODULE_24_MAP4-MP246	68.00d 24-Feb-2	15-May-20		0%	0%	% 10-May-21, MTHL-PKG2-MPR 18.DTJV.7;2.3.1.2.1,2 M
96	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP_AC	170.00d 15-Jan-20	22-Oct-20		0%	0%	% 15-Oct-21, MTHL-PKG2-MPR.18.DTJV.7.
97	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5	85.00d 15-Jan-20	24-Apr-20		0%	0%	% 19-Apr-21, MTHL-PKG2-MPR:18.DTJV:7;2.3.1.2.2.1 ; MOD
98	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.2.2 MODULE_34_ACP5-MP256	85.00d 24-Apr-20			0%	0%	% 15-Oct-21, MTHL-PKG2-MPR.18.DTJV.7.
99	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP_JM	204.00d 18-Jan-19			71.94%	0%	% 28-Nov,20, MTHL-PKG2-MPR 18.DTJV.7.2,3.1.2,3 INTERCHANGE RAN
00	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.3.1 MODULE_25_MP245-JMP4	85.00d 18-Jun-19			32.65%	0%	% 28-Nov;20, MTHL-PKG2-MPR 18.DTJV.7.2;3.1.2;3.1 MODULE_25_MP2
01	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.3.2 MODULE_26_JMP4-JMP8	68.00d 21-Mar-1			100%	0%	% 02-Jun 20, MTHL-PKG2-MPR 18 DTJV.7 2,3.1 2,3.2 MODULE_26_JMP4-JMP8
02	MTHL-PKG2-MPR.18.DT JV.7.2.3.1.2.3.3 MODULE_27_JMP8-JMA2	51.00d 18-Jan-19			100%	0%	% 12-Mar-20, MTHL-PKG2-MPR-18.DTJV.7 2.3.1.2.3.3 MODULE_27_JMP8-JMA2
03	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4 INTERCHANGE RAMP PILE CAP_MJ	238.00d 18-Jan-19			61.66%	0%	% 07.Jan-21, MTHLPKG2-MPR.18,DT.W.7.2.3.1.2.4. INTERCHANGE (
04	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4.1 MODULE_35_MJA2-MJP9	85.00d 18-Jan-19			100%	0%	% 2)-Apr-20,,MTHL-PKG2-MPR 18.DTJV.7,2.3.1,2.4.1 MODULE_B5_MJA2-MJP9
05	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4.2 MODULE_36_MJP9-MJP4	85.00d 30-Apr-19			72.65%	0%	% 17,-Oct-20, MTHL-PKG2-MPR,18.DTJV.7.2.3.1.2.4.2 MODULE_36_MJP9;M
06	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4.3 MODULE_37_MJP4-MP252	68.00d 26-Oct-19			0%	0%	% 07.Jan-21, MTHL-PKG2-MPR:18.DTJ.V.7.2.3;1.2.4;3 MODULE_37_
,,,,	WITHLTROS2-WFR. 10.D1 34.1.2.3.1.2.4.3 WUDDULE_31_W3P4-WP252	00.000 20-001-19	1J-Jan-20		U%	0%	37 347 21, WILL 1752 WILL

	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2 INTERCHANGE RAMP PILE CAP INST	FALLATION 417.00d 08-Jan-19	22-Oct-20		40.04%	0%			▼			15-Oct-21, MTHL	-PKG2-MPR.18.DTJV.7.2.3.1
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.1 INTERCHANGE RAMP PILE CAP	_MA 136.00d 06-Dec-1	15-May-20		0%	0%					▼ 10-M	y-21, MTHL-PKG2-MPR.18	B.DTJV.7 2.3.1.2.1 INTERCH
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.1.1 MODULE_23_MAA2-MAP4	68.00d 06-Dec-1	24-Feb-20		0%	0%					17-Feb-21, M	THL-PKG2-MPR.18.DTJV.7	.2.3.1.2.1.1 MODULE_23_N
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.1.2 MODULE_24_MAP4-MP246	68.00d 24-Feb-2	15-May-20		0%	0%					10 ₋ M	ay-21, MTHL-PKG2-MPR.18	B.DTJV.7.2.3.1.2.1.2 MODU
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP	_AC 170.00d 15-Jan-20	22-Oct-20		0%	0%	1			,,,,,,,,,,,,,		15-Oct-21, MTHL	PKG2-MPR.18.DTJV.7.2.3.1
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5	85.00d 15-Jan-20	24-Apr-20		0%	0%					19-Apr-	21, MTHL-PKG2-MPR.18.D	TJV.7,2.3.1.2.2.1 MODULE
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.2.2 MODULE_34_ACP5-MP256	85.00d 24-Apr-20	22-Oct-20		0%	0%					V	15-Oct-21, MTHL	-PKG2-MPR.18.DTJV.7.2.3.1
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP	_ JM 204.00d 18-Jan-19	06-Dec-19		71.94%	0%				∀	28-Nov-20, MTHL-PK	G2-MPR 18.DTJV.7.2.3.1.2	3 INTERCHANGE RAMP PI
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.3.1 MODULE_25_MP245-JMP4	85.00d 18-Jun-19	06-Dec-19		32.65%	0%				· · · · · · · · · · · · · · · · · · ·	28-Nov-20, MTHL-PK	52-MPR 18.DTJV.7.2.3.1.2	3.1 MODULE_25_MP245.J
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.3.2 MODULE_26_JMP4-JMP8	68.00d 21-Mar-1	17-Jun-19		100%	0%	1	<u> </u>		02-Jun-	20, MTHL-PKG2-MPR 18.DTJV	7.2.3.1.2.3.2 MODULE_26	JMP4-JMP8
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.3.3 MODULE_27_JMP8-JMA2	51.00d 18-Jan-19	20-Mar-19		100%	0%				12-Mar-20, MTH	L-PKG2-MPR.18.DTJV.7.2.3.1	2.3.3 MODULE_27_JMP8	-JMA2
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4 INTERCHANGE RAMP PILE CAP	_MJ 238.00d 18-Jan-19	15-Jan-20		61.66%	0%				V	07-Jan-21, MTHL	PKG2-MPR 18.DTJV.7.2.3	1.2.4 INTERCHANGE RAM
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4.1 MODULE_35_MJA2-MJP9	85.00d 18-Jan-19	29-Apr-19		100%	0%				21-Apr-20, I	/ITHL-PKG2-MPR.18.DTJV.7.2.	3.1,2.4.1 MODULE_35_M	JA2-MJP9
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4.2 MODULE_36_MJP9-MJP4	85.00d 30-Apr-19	26-Oct-19		72.65%	0%				•	17-Oct-20, MTHL-PKG2-N	IPR.18.DTJV.7.2.3.1.2.4.2	MODULE_36_MJP9-MJP4
	MTHL-PKG2-MPR.18.DTJV.7.2.3.1.2.4.3 MODULE_37_MJP4-MP252	68.00d 26-Oct-19	15-Jan-20		0%	0%	1-1-1-1-				1 07-Jan-21, MTHL	PKG2-MPR 18 DTJV 7.2.3	1.2.4.3 MODULE_37_MJP4
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Primary	Raseline %Complete	EMPI OVER:			CONTRACTOR					Date	Revision	Checked	Approved
,	'		LOPMENT	AUTHORITY						25-Sep-19	R0		
	,		LOTWILIVI	710 IIIOIUI I	DAE WOO	- IPL JV							
Critical F	Remaining work	(MINION)											
	Actual V	MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.1 INTERCHANGE RAMP PILE CAP MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.1.1 MODULE_23_MAA2-MAP4 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.1.2 MODULE_24_MAP4-MP246 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.2.2 MODULE_34_ACP5-MP256 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.3.1 MODULE_25_MP245-JMP4 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.3.2 MODULE_26_JMP4-JMP8 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.3.3 MODULE_27_JMP8-JMA2 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.4 INTERCHANGE RAMP PILE CAP MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.4.1 MODULE_35_MJA2-MJP9 MTHL-PKG2-MPR.18.DT.JV.7.2.3.1.2.4.2 MODULE_36_MJP9-MJP4	MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.1 INTERCHANGE RAMP PILE CAP_MA MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.1.1 MODULE_23_MAA2-MAP4 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.1.2 MODULE_24_MAP4-MP246 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP_AC MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP_JM MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP_JM MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.1 MODULE_25_MP245-JMP4 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.1 MODULE_26_JMP4-JMP8 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.3 MODULE_26_JMP4-JMP8 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.1 MODULE_27_JMP8-JMA2 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.1 MODULE_35_MJA2-MJP9 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.1 MODULE_35_MJA2-MJP9 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.2 MODULE_36_MJP9-MJP4 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.3 MODULE_37_MJP4-MP252 Primary Baseline % Complete MUMBAI METROPOLITAN REGION DEVE MUMBAI METROPOLITAN REGION DEVE	MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.1 INTERCHANGE RAMP PILE CAP_MA 136.00d 06-Dec-1 15-May-20 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.1.1 MODULE_23_MA2-MAP4 68.00d 06-Dec-1 24-Feb-20 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.1.2 MODULE_24_MAP4-MP246 68.00d 024-Feb-2 15-May-20 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP_AC 170.00d 15-Jan-20 22-Oct-20 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5 85.00d 15-Jan-20 24-Apr-20 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.2.3 INTERCHANGE RAMP PILE CAP_JM 204.00d 18-Jan-19 06-Dec-19 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.1 MODULE_25_MP245-JMP4 85.00d 18-Jan-19 06-Dec-19 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.2 MODULE_26_JMP4-JMP8 68.00d 21-Mar-1 17-Jun-19 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.3 MODULE_27_JMP8-JMA2 51.00d 18-Jan-19 20-Mar-19 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.1 MTERCHANGE RAMP PILE CAP_MJ 238.00d 18-Jan-19 15-Jan-20 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.1 MODULE_35_MJA2-MJP9 85.00d 18-Jan-19 29-Apr-19 MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.2 MODULE_36_MJP9-MJP4 85.00d 30-Apr-19 26-Oct-19 15-Jan-20 Primary Baseline % Complete Actual Work Summary	MTHL-PKG2-MPR18.DTJV7.2.3.1.2.1 INTERCHANGE RAMP PILE CAP_MA MTHL-PKG2-MPR18.DTJV7.2.3.1.2.1.1 MODULE_23_MAA2-MAP4 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.1.2 MODULE_24_MAP4-MP246 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP_AC MTHL-PKG2-MPR18.DTJV7.2.3.1.2.2 INTERCHANGE RAMP PILE CAP_AC MTHL-PKG2-MPR18.DTJV7.2.3.1.2.2.1 MODULE_33_ACA2-ACP5 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.2.1 MODULE_34_ACP5-MP256 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP_JM MTHL-PKG2-MPR18.DTJV7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP_JM MTHL-PKG2-MPR18.DTJV7.2.3.1.2.3 INTERCHANGE RAMP PILE CAP_JM MTHL-PKG2-MPR18.DTJV7.2.3.1.2.3.1 MODULE_25_MP245-JMP4 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.3.1 MODULE_26_JMP4-JMP8 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.3.1 MODULE_27_JMP8-JMA2 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4 INTERCHANGE RAMP PILE CAP_MJ MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4 INTERCHANGE RAMP PILE CAP_MJ MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4 INTERCHANGE RAMP PILE CAP_MJ MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4.1 MODULE_36_MJP9-MJP4 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4.1 MODULE_36_MJP9-MJP4 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4.1 MODULE_36_MJP9-MJP4 MTHL-PKG2-MPR18.DTJV7.2.3.1.2.4.3 MODULE_37_MJP4-MP252 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32.65% 0% MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.3.3 MODULE_26_JMP4-JMP8 68.00d 21-Mar-1 17-Jun-19 100% 0% MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.1 NTERCHANGE RAMP PILE CAP_MJ 238.00d 18-Jan-19 20-Mar-19 100% 0% MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.2 NTERCHANGE RAMP PILE CAP_MJ 238.00d 18-Jan-19 15-Jan-20 61.66% 0% MTHL-PKG2-MPR18.DTJV.7.2.3.1.2.4.3 MODULE_35_MJA2-MJP9 85.00d	MTHL-PKG2MPR18.DTJV.7.2.3.1.2.1 MODULE_23_MAA2-MAP4	MTHL-PKG2MPR18.DTJV7.2.3.1.2.1 NTERCHANGE RAMP PLE CAP_MA 136.00d 06-Dec1 15-May-20 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	MTHLPKGZMPR18.DTJV7.2.3.1.2.1 MTERCHANGE RAMP PLE CAP_MA 136.00 68-0e-0 15-May-20 0% 0% 0% MTHLPKGZMPR18.DTJV7.2.3.1.2.1 MODULE_33.MAZXMAP4 68.00d 66.00d 24-feb-20 0% 0% 0% MTHLPKGZMPR18.DTJV7.2.3.1.2.2 MTERCHANGE RAMP PLE CAP_AC 170.00d 15-lan-20 22-du-20 0% 0% MTHLPKGZMPR18.DTJV7.2.3.1.2.2.1 MODULE_34.ACA2-ACPS 85.00d 15-lan-20 22-du-20 0% 0% MTHLPKGZMPR18.DTJV7.2.3.1.2.3.1 MRDULE_34.ACA2-ACPS 85.00d 24-du-20 0% 0% 0% MTHLPKGZMPR18.DTJV7.2.3.1.2.3.1 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lumbai Trans Harbour Link Project - Quarterly Progress Report No. 10 (Jul–Se	p 2019)
Attachment 9- Package-3's Construction Progra	mma
Updated as on 25th September 2019	

Line Communication Schedule Social Project	D Activity Name Original BL1 Start BL1 Finish Duration					Start Finish Variance- Total Activity Budgeted Total Cost Actual Total Cost Schedule Complete																	
Common Clarific Project Projec							Einich Data	Float	Complete			Complete	Complete	Index	Performance			23					
Second Control Contr		•						0					1.1										
Proceedings Process				21-Sep-21		05-Sep-22	-297	0			Rs777,800,528						Rs874,027,824						
Sign September 1985 - 1		mencement Date (CD)							100%														
2015 2017 20						-		0	00/														
12 10 C 10 10 C				10p 10																			
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20 20 20 20 20 20 20 20																							
March Martines	KD1008 KD 8	[Final completion & handing over]	0 21-Sep-21	21-Sep-21	05-Sep-22	05-Sep-22	-349	0	0%	Rs0	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
Company Comp			758 18-Sep-18	21-Sep-21	23-Mar-18 A	21-Sep-21	0	349		Rs0	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
Section	terface Milestone		877 17-Dec-18	06-Mar-21	25-Sep-19	18-Feb-22	-349	199		Rs0	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
Procession of the process of the p	ocument Submittals		45 23-Mar-18	06-May-18	06-Apr-18 A	25-Sep-19	-506	84		Rs74,992,895	Rs59,994,316	100%	80%	1.00	0.80	Rs74,992,895	Rs59,994,316						
March Marc	Submi1000 Subm	nissions within 14,28,45 days from Commemcemen	45 23-Mar-18	06-May-18	06-Apr-18 A	25-Sep-19		84	80%	Rs74,992,895	Rs59,994,316	100%	80%	1.00	0.80	Rs74,992,895	Rs59,994,316						
Carley book 19 (19 First Flags) 1			151 19-Apr-18	18-Sep-18	23-Mar-18 A	29-Sep-19	-377	157		Rs0	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
Page Company			0 19-Apr-18	18-Sep-18	23-Mar-18 A	29-Sep-19	-377	111		Rs0	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
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Free Programme 100 150 ml 150 ml			110 20-Aug-18	11-Dec-18	30-May-19-A	02-lap-20	-102	137			Rs37 597 322	100%											
And Continued International Proof Services 10 Continued Internat			980 12-Dec-18	16-Sep-21	25-Jan-19 A	26-Mar-22	-191	162		Rs29,560,000	Rs5,912,000	26.22%				7 - 7							
Topographic Survey Sub Hadrig 20.048 May 18.048 18.049 18.0	urvey & Geotechnical Inve	estigation Works	346 19-Apr-18			28-Nov-19				Rs242,300,773	Rs181,725,579		95.75%										
March Marc	Topographical Survey		346 19-Apr-18	ZE 000 10			-282	72		Rs0	Rs0	100%		0.00		Rs109	Rs102						
Color Service Color Colo	Geotechnical Investigation	work		-			-000	138		72277		100%		-									
Promisery Promisery (1 17 June 1990) 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			412 07-May-18	14-Jun-19	25-Apr-18 A	19-Jun-20	-286	327		Rs159,122,500	Rs45,311,484	100%		1.26	0.36	Rs159,123,270	Rs57,187,449						
General Improved Report Service (1 Or Servic			48 07-May-18	30-Jun-18	25-Apr-18 A	08-Dec-18.	-108	71		Rs0 Pe286 875	Rs0	100%		0.00	1.00	Rs51	Rs51						
Pack Purple Algorithm 77 (Sub-10 Line 19 Sub-10 May Ma		Report Submission & GC Approval (NONO)	24 11-Sep-18	08-Oct-18	07-Dec-18 A	02-Dec-19	-420	179		110200,010	110200,010						110220,000						
Speciment Design 25 May 18 304-10 304-10 304-10 307 10 865-10 505-10 10 10 865-10 10 10 10 865-10 10 10 10 10 10 10 10				14-Aug-18	25-Jun-18 A	29-Oct-19		38		Rs0	Rs0					Rs102	Rs82						
Above 14 Aprovate (1974) (1974	Superstructure Design		257 16-Aug-18	26-Feb-19	05-Mar-19 A	30-Mar-20	-307	126			Rs4,912,734	100%		1.00	0.06	11000,010,111							
Part Company 12 24-06-19 10-14-19 11-14-19					0011011071			100															
Performance 11 Fabrico 12						20-Jan-20		_															
Power March Cale Page 17 10-1418 15-20-151 1						09-May-20																	
Company Comp	Pavement Design		71 01-Jul-18	27-Aug-18	15-Oct-18 A		-143			Rs27,320,625	Rs27,320,625					Rs27,320,625							
Proceedings								0				88.98%											
Important 170 124-a-17 154-a-25 15			900 12-Sep-18	08-Jun-21	15-Feb-19 A			0			Rs0	78.85%		0.00	0.00								
Promoter Mark Editorization (1.5 Mark 1996) 1. 1			503 04-Apr-19	13-Jan-21	01-Mar-19 A	10-Nov-21		127						0.00	0.15		Rs18						
Permanent Works feerfaction 459 (27-Sept. 8) 459 (27-Sept. 9) 459 (27-Sept. 8) 459 (27-Sept		Manufacturing Made	170 22-Jan-19	10-Aug-19	22-Feb-20	11-Sep-20	000	205						0.00	0.00		Rs0						
Promotence Works Assembly 459 20-05-18 1966-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 25-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 05-06-18 04-06-20 04-06-2	Permanent Works fabrication	on	459 27-Sep-18	06- lan-20	21_Feb_19 A	28. Jan. 21	-302	194			Rs0	72.5%	0%	0.00	0.00								
Procontaction Activity Significant Soft (Park Pier Cap) 74 (OS-Dive 18 - ON-No.20) 05 (Park 18 - OS-Park 18 -		V	459 22-Oct-18	10-Feb-20	25-Feb-19 A	04-Mar-21	-302	194		Rs0	Rs0	74.26%	15.28%	0.00	0.21	Rs401	Rs83						
Sub Structures (Open Foundation, Pier, Pier Cap)	onstruction Works		1028 20-Jul-18	23-Jul-21	26-Sep-18 A	29-Jul-22	-297	32		Rs7,063,465,446	Rs447,259,827	34.98%	6.81%	1.08	0.19	Rs2,470,932,576	Rs481,333,238	•					
Main Carriagnessy			388 20-Jul-18	01-Jul-19	26-Sep-18 A	30-Apr-20	-230	251		Rs0	Rs0	100%	29.65%	0.00	0.30	Rs565	Rs167	, , , , , , , , , , , , , , , , , , , 					
SH 54 Ramps	Sub Structures (Open Foun	dation, Pier ,Pier Cap)	774 08-Dec-18	07-Nov-20	05-Dec-18 A	08-Nov-21	-278	257		Rs3,392,806,949	Rs413,186,583	43.71%	12.18%	1.00	0.28	Rs1,483,154,769	Rs413,186,583						
Chris NH4B Ramps			566 08-Dec-18	24-Jan-20	05-Dec-18 A	01-Feb-21	-289	465		Rs1,821,401,625	Rs298,412,532	76.88%	16.38%	1.00	0.21	Rs1,400,249,849	Rs298,412,532						
Chris N4BLoops																							
Supers S				07-Nov-20	21-Aug-19 A	08-Nov-21	-278					2.47%					Rs34,432,215						
Segment Errorion 455 26-Aug-19 20-Jun-21 23-Spg-20 18-En-22 304 108 RE700-899-410 Rol 5.31% 0% 0.00 0.00 R.03 7.75-5.00 Rul Suel Structure 350 10-Aug-12 22-Jun-20 16-Apr-22 2.26 88 Re464.343.54 Rol 14.31% 0% 0.00 0.00 Re35.350.56 Rul Suel Structure 350 10-Aug-20 17-Avo-20 07-Avo-21 2.78 126 Re113-737-202 Re0 2.2.81% 0% 0.00 0.00 Rul Procast Segments 120 05-Aug-20 17-Avo-21 27-Avg-21 27-Avg-21 </td <td>Super Structures</td> <td></td> <td>637 27-Feb-19</td> <td>12-Apr-21</td> <td>22-Jan-20</td> <td>16-Apr-22</td> <td>-286</td> <td>88</td> <td></td> <td></td> <td>Rs0</td> <td>17.73%</td> <td></td> <td>0.00</td> <td>0.00</td> <td></td> <td>Rs0</td> <td></td>	Super Structures		637 27-Feb-19	12-Apr-21	22-Jan-20	16-Apr-22	-286	88			Rs0	17.73%		0.00	0.00		Rs0						
Cast In Stu 637 (27-Feb.19) 12-App. 21 22-Jam. 20 16-App. 22 2-26 88 R 5464,334,334 R 50 1.43 1% 0% 0.00 0.00 Res6,332,3205 R 80 Shel Siructure 300 (10-May-19) 17-May-20 22-Jam. 20 17-May-21 22-Jam. 20 18-Jam. 20 17-May-21 22-Jam. 20 18-Jam. 20 <t< td=""><td></td><td></td><td></td><td>09-Nov-20</td><td>28-Jan-20</td><td>23-Jul-21</td><td>-204</td><td>125</td><td></td><td></td><td>Rs0</td><td>20.21%</td><td>0%</td><td>0.00</td><td>0.00</td><td></td><td>Rs0</td><td></td></t<>				09-Nov-20	28-Jan-20	23-Jul-21	-204	125			Rs0	20.21%	0%	0.00	0.00		Rs0						
Seel Structure 90 1046y-19 1748y-20 09-Jun-20 1748y-20 278 278 126 R5113,797.302 R60 22.81% 0% 0.00 0.00 R25,940,681 R60			405 26-Aug-19														Rs0						
Bearings & Expansion Joints 210 (03-Aug-20) 12-Agr-21 21-Agr-22 21-A				12-Apr-21		17-Nov-21	-286 -278																
Procest Segments 180 03-Aug-20 17-Aug-21 21-Sep-21 21-Sep-21 21-Sep-22 21-Sep-21 21-Sep-22 21-Sep-21 21-		uts	210 03-Aug-20	12-Apr-21	21-Sep-21	26-May-22	-319	55									Rs0						
Seed Structure 142 12-Oct-20 30-Mar-21 22-Oct-20 30-Mar-21 22-May-20 23-Mar-21 23-May-22 2-29 0 Ration-29-1997 Ratio	Precast Segments		180 03-Aug-20	17-Mar-21	21-Sep-21	21-Apr-22	-310	85		Rs3,689,893	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
Bridge Arcillaries & Miscellamous Hem 284 12-Aug-20 23-Jul 21 25-Aug-21 25-Aug-22 25-Aug-21 25-Aug-22 25-							-319	55				0%	0%	0.00	0.00		Rs0						
Crash Barrier & Safety finos 239 12-Aug-20 12-Aug-20 12-Aug-21 22-Aug-21 23-Aug-21 23-Bug-22 29-Aug-22 29-Aug		Harrana Harr	142 12-Oct-20	30-Mar-21	02-Dec-21	17-May-22	-322	63		Rs3,074,911	Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
Painting works 133 28-Jan-21 07-Ju/21 274-fb-22 29-Ju/22 304 0 Ro39,889,695 Ro0 0% 0% 0.00 0.00 Ro0 Ro3 Ro0 Ros			284 12-Aug-20 229 12-Aug-20	12-Apr-21	25-Aug-21	26-May-22	-297	55		R\$180,921,987	Rs0	0%	0%	0.00	0.00	Rs0 Re0	Rs0						
Kerb, traffic Sign & pawment marking 169 (0.9/km²-2) 223-JU21 27-Dec-21 12-JU22 283 14 Responsable (9.6/km²-2) Res 0% 0% 0% 0.00 0.00 Re0 Re0 Re Wall 499 27-Heb-19 18-Fab-21 29-Ju22 29-Ju22 304 0 Re509.5955 Re0 0% 0% 0.00 0.00 Re0 Re0 Ret Wall 499 27-Heb-19 18-Fab-21 19-Fab-20 15-Dec-21 -228 127 Res101.867.248 Re0 9.6/km 0% 0.00 0.00 Re0 Re0 Ret 499 27-Heb-19 18-Fab-21 19-Fab-20 15-Dec-21 -228 127 Res101.867.248 Re0 9.6/km 0% 0.00 0.00 Re0 Re0 Ret 10 Min 264 27-Fab-19 05-Fab-20 19-Fab-21 29-Fab-20 19-Fab-21 227 271 Res71,575,695 Re0 62.14% 0% 0.00 0.00 0.00 Res2 Re0							-304	0				0%	0%	0.00			Rs0						
Restration of removed structure and As-built doc & maintenance manu 154 (09-Apr-21) 07-Jul 21 31-Jan-22 29-Jul 22 304 (0) RES,035,995 (0) Rs0 0% 0% 0.00 0.00 Rs0 Rs0 RE Wall 489 (27-Fib-19) 1549-21 25-Fib-21 29-Fib-20 (0-Fib-21) 25-Fib-21 (2-St)		ment marking	169 03-Mar-21	23-Jul-21				14		Rs96,849,390		0%	0%				Rs0						
Raft 264 27-Feb-19 09-Feb-20 29-Feb-20 09-Feb-21 285 271 Rp.11_575-805 Rp.0 62-14% 0% 0.00 0.00 0.00 Rp.44,476_0.04 Rp.0 GSB & WMM 120 20-Lan-20 09-Lan-20 19-Apr-21 -277 271 Rp.0 Rp.0 0% 0% 0.00 0.00 0.00 Rp.0 Ashpata pavement 120 29-Say-20 19-Feb-21 23-Jun-21 15-00-21 -225 127 Rp.11,519,953 Rp.0 0% 0% 0.00 0.00 Rp.0 Rp.0 Ashpata pavement 120 29-Say-20 19-Feb-21 23-Jun-21 15-00-21 -225 127 Rp.11,519,953 Rp.0 0% 0% 0.00 0.00 Rp.0 Rp.0 Acad Work 1766 20-Apr-19 18-May-21 18-May-22 -285 14 Rp.1566,696,139 Rp.34,073,244 4.2.1% 2.00 0.10 Rp.69,146,488 For M Grade work 624 20-Apr-19 <td>Restoration of removed</td> <td></td> <td></td> <td>07-Jul-21</td> <td>31-Jan-22</td> <td>29-Jul-22</td> <td>-304</td> <td>0</td> <td></td> <td></td> <td>Rs0</td> <td>0%</td> <td>0%</td> <td>0.00</td> <td>0.00</td> <td>Rs0</td> <td>Rs0</td> <td></td>	Restoration of removed			07-Jul-21	31-Jan-22	29-Jul-22	-304	0			Rs0	0%	0%	0.00	0.00	Rs0	Rs0						
RE wall with backfill 284 10-May-19 24-Apr-20 12-May-20 19-Apr-21 277 271 Rs378.591.600 Rs0 0% 0% 0.00 0.00 0.00 Rs52 Rs0 GSB S WMM 120 20-Jan-20 09-Jun-20 19-Jun-21 19-Jun-21 285 227 Rs0 Rs0 0% 0% 0.00 0.00 0.00 Rs0 Rs0 Ashpalt powerert 120 29-Sep-20 18-Feb-21 13-Jun-21 15-Dec-21 -225 127 Rs11,519,983 Rs0 0% 0% 0.00 0.00 Rs0 Rs0 Road Work 746 20-Apr-19 18-May-21 16-Feb-19A 18-May-22 -283 14 Rs1,600,667,400 Rs34,073,244 43.11% 4.24% 2.00 0.10 Rs693,555,966 Rs68,146,886 For Bridge and ramps 45 20-Mar-21 18-May-21 26-Mar-22 18-May-22 2-283 14 Rs41,971 Rs42 4.27% 4.35% 2.00 0.10 Rs69					29-Feb-20		-225	127			Rs0	9.63%	0%	0.00	0.00		Rs0						
GSB WMM 120 [20-lan-20 09-lan-20 19-lan-21 19-lan-21 19-lan-21 285 227 R80 R90 0% 0% 0% 0.00 0.00 R80							-283 -277	271				62.14%	0%	0.00			Rs0						
Ashpati parement 120 [29-Smy-20] 15-Rod.21 15-Rod.21 25-Rod.22 225 127 Rss11,519,953 Rs0 0% 0% 0.0 0.00 0.00 Rs0 Rs0 Read Work 126 [20-Ac-19] 15-May-21 15-May-21 15-Rod.22 283 14 Rs1-508.666,139 Rs34,073.244 44.27% 4.35% 2.00 0.10 Red83.555,696 Rs68,146,489 For Bridge and ramps 45 [25-May-21] 15-May-21 15-May-22 2-88 14 Rs41,971.261 Rs0 0% 0% 0.00 0.00 Rs0 Rs0 mpletion of lithrights Activity 468 19-Spa-20 0-5-May-22 18-Rod.22 -267 170 Rs0 Rs0 0% 0.00 0.00 0.00 Rs0													0%				Rs0						
Road Work 746 20-Apr-19 18-May-21 18-May-22 -283 14 Rs 1,608,667,400 Rs 3,608,667,400 Rs 3,608,678,400 Rs 3,607,244 42.7% 4.35% 2.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 </td <td></td> <td></td> <td>120 29-Sep-20</td> <td></td> <td>23-Jun-21</td> <td>15-Dec-21</td> <td>-225</td> <td>127</td> <td></td> <td></td> <td></td> <td>0%</td> <td>0%</td> <td>0.00</td> <td>0.00</td> <td></td> <td>Rs0</td> <td></td>			120 29-Sep-20		23-Jun-21	15-Dec-21	-225	127				0%	0%	0.00	0.00		Rs0						
For All Grade work 624 [20-Apr-19] 02-Attar-21 16-Feb-19A 27-Doc-21 -2.25 117 Rs1.566.596.139 Rs34,073.244 44.27% 4.35% 2.00 0.10 Rs693,555.986 Rs68,146,488 For Bridge and ramps 45 25-Mar-21 18-May-21 2-83 14 Rs41.971,261 Rs0 0% 0% 0.00 0.00 Rs0 Rs0 Implicition of Interface Activity 408 18-Sep-20 18-Feb-22 -267 170 Rs0 Rs0 0% 0.00 0.00 Rs0 Rs0	Road Work		746 20-Apr-19	18-May-21	16-Feb-19 A	18-May-22	-283	14		Rs1,608,667,400	Rs34,073,244	43.11%	4.24%	2.00	0.10	Rs693,555,986	Rs68,146,488						
ompletion of Interface Activity 408 19-Sep-20 06-Mar-21 19-Sep-20 18-Feb-22 -267 170 Rs0 Rs0 0% 0% 0.00 0.00 Rs0 Rs0				02-Mar-21			-225	117			Rs34,073,244	44.27%	4.35%		0.10								
	For Bridge and ramps																						
OVERNITIES OF THE TRANSPORT OF THE TRANS		avity																					
	OVISIONAL SUM		000 23-Apr-18	23-Aug-21	20-0ep-18	29-Jui1-22	-209	00		NS011,901,024	RSU	30.36%	U%	0.00	0.00	NS090,700,065	RSU						

Remaining Work • ◆ Milestone

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