

Sub: “Updation of Comprehensive Transportation Study for Mumbai Metropolitan Region (MMR)”

Common Set of Deviations-3

Sr. No	Chapter /Section /Cl.No.	Page No.	Existing Provision	Modified provision
1	12.4	26	The estimated is: 30 man-months, support professionals.	The estimated is: 34 man-months , support professionals.
2	Sl. No. 7	29	Nil	<p><u>Following personnel included as additional Key personnel.</u></p> <p>Key Personnel- Traffic Engineer and Simulation Expert Specific Expertise: Person shall have Master or Ph.D. degree in Traffic Engineering/Planning from an accredited college or university. Shall have worked as a Traffic Engineer and Simulation Expert on traffic engineering analysis design including traffic simulation & impact studies and TOD studies in developed countries and shall be well conversant with state of the art traffic simulation software etc. Should have minimum 15 years experience in assignments of similar nature.</p> <p>Estimated Man months: 4</p>
3	12.4	29	Total Estimated Man months 30	Total Estimated Man months : 34
5	21.2	30	(iii) Key professional staff qualifications and competence for the assignment:	(iii) Key professional staff qualifications and competence for the assignment: 1) Transportation Planner(Team Leader) (12) 2) Transport modeller (International Repute) (10)

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			1) Transportation Planner(Team Leader) (12) 2) Transport modeller (International Repute) (10) 3) Public Transport/rail planning expert (10) 4) Highway/Road Expert (10) 5) Urban and Region Planner (10) 6) Transport Economist/financial expert (8)	3) Public Transport/rail planning expert (8) 4) Highway/Road Expert (8) 5) Urban and Region Planner (8) 6) Transport Economist/financial expert (6) 7) Traffic Engineer and Simulation Expert (8)
6		58	Nil	<p>Task -10 Short term Traffic measurement measures and norms for Traffic Impact Assessment (TIA) and Transit Oriented Development (TOD)</p> <p>Consultant shall identify and recommend immediate traffic improvement measures to be implemented in 3 years. Consultant shall use Traffic Simulation tool as a part of the study to carryout traffic impact assessment at sub regional / area levels. The above areas and scenarios likely be finalized in consultation with MMRDA. Also Consultants shall carryout Traffic Impact Analysis (TIA) for Transit Oriented Development (TOD) for the identified areas/projects to be finalized in consultation with MMRDA during the process of study.</p>

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				<p>Consultants shall develop norms for TIA, TOD based on the International practices.</p> <p>Modified Deliverables /report and Payment schedule is attached as annexure I & II.</p>

Annexure I - Deliverables

Sr. No.	Report Name	Reporting Month	No. of Hard Copies
1	Inception Report	15 days	10 + Soft Copy
2	Report on 'Data Collection and analysis Secondary Sources'	2.0 months	10+ Soft Copy
3	Report on 'Review of Earlier CTS Model and Assessment of Planning parameters for 2015 based on Census 2011 and recent Economic Census''	3.0 months	10 + Soft Copy
4	Report on 'Review of CTS shortlisted Land use scenarios and Updating/ Modifying CTS recommended Land Use Scenario for MMR'	4.0 months	10 + Soft Copy
5	Report on 'Data Collection: Primary Surveys-2 (Home Interview Surveys)'	5.0 months	10+ Soft Copy
6	Report on 'Assessment of Major developments & Land use updation for the year 2015'	5.0 months	10 + Soft Copy
7	Report on 'Data Collection and analysis Primary Surveys-1 (Traffic Count Surveys)'	5.0 months	10+ Soft Copy
8	Report on Immediate Traffic Management Measures	6.0 months	10 + Soft Copy
9	Report on Norms/ guidelines on TIA & TOD based international practices	7.0 months	10 + Soft Copy
10	Report on TIA including traffic simulation for Sub area level based on International practices	8.0 months	10 + Soft Copy
11	Report on TOD for Sub area / corridor level based on International practices	8.0 months	10 + Soft Copy
12	Report on 'Updating of planning parameters, transport network updations for the horizon period up to 2021, 2031 and 2041 and network analysis'	10.0 months	10 + Soft Copy
13	Report on 'Updating the CTS models by validation and analysis using state-of-the-art Urban Transportation Planning Software'	12.0 months	10+ Soft Copy
14	Report on 'Estimation of Travel Demand for Updated Land Use scenario for different horizon periods 2021, 2031 and 2041	13.0 months	10+ Soft Copy
15	Report on 'Re-phasing, Reprioritization & Cost assessment of CTS recommended transport infrastructure projects including all developments, for the horizon periods 2021, 2031 and 2041'	14.0 months	10+ Soft Copy
16	Report on 'Fare Sensitivity/Demand Elasticity Analysis of public transport modes in MMR'	14.0 months	10 + Soft Copy
17	Draft Final Report	14.5 months	10 + Soft Copy
18	Final Report + Executive Summary	15.0 months	50 + Soft Copy
19	Technical Working papers on each task		
20	Monthly Progress Reports		

Annexure II – Payment Schedule

Sr. No.	Report Name	Payment (%)
1	Inception Report	2.5
2	Report on 'Data Collection and analysis Secondary Sources'	5
3	Report on 'Review of Earlier CTS Model and Assessment of Planning parameters for 2015 based on Census 2011 and recent Economic Census''	5
4	Report on 'Review of CTS shortlisted Land use scenarios and Updating/ Modifying CTS recommended Land Use Scenario for MMR'	5
5	Report on 'Data Collection: Primary Surveys-2 (Home Interview Surveys)'	10
6	Report on 'Assessment of Major developments & Land use updation for the year 2015'	5
7	Report on 'Data Collection and analysis Primary Surveys-1 (Traffic Count Surveys)'	10
8	Report on Immediate Traffic Management Measures	5
9	Report on Norms/guidelines on TIA & TOD based international practices	2.5
10	Report on TIA including traffic simulation for Sub area level based on International practices	5
11	Report on TOD for Sub area/ corridor level based on International practices	2.5
12	Report on 'Updating of planning parameters, transport network updations for the horizon period upto 2021, 2031 and 2041 and network analysis'	5
13	Report on 'Updating the CTS models by validation and analysis using state-of-the-art Urban Transportation Planning Software'	10
14	Report on 'Estimation of Travel Demand for Updated Land Use scenario for different horizon periods 2021, 2031 and 2041	7.5
15	Report on 'Re-phasing, Reprioritization & Cost assessment of CTS recommended transport infrastructure projects including all developments, for the horizon periods 2021, 2031 and 2041'	5
16	Report on 'Fare Sensitivity/Demand Elasticity Analysis of public transport modes in MMR'	2.5
17	Draft Final Report	7.5
18	Final Report + Executive Summary	5
19	Technical Working papers on each task	
20	Monthly Progress Reports	