








WORK SCHEDULE - CP1																																																																					
Project Name: Consultancy for “Design, Preparation of Bid Documents & Evaluation of Bids for the Proposed Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur along East Coast Road, South of Chennai, Tamil Nadu and Construction Management & Supervision for the Proposed Desalination Plant and its Product Water Conveyance Pipeline from the Plant and upto Porur and all allied works.																																																																					
Activity	Task	Activities and tasks	Duration in Months	Project Duration in Months																																																																	
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
				YEAR 2020												YEAR 2021												YEAR 2022												YEAR 2023												YEAR 2024												YEAR 2025					
		Work Plan		Design and Bid document preparation (9 Months)	Bid process management and selection of contractor (12 Months)	Construction and Commissioning of Desalination Plant (42 Months)																																																									Post Const. (2M)						
4.5.1		Team Mobilization and Kick Off meeting	1																																																																		
4.5.2		Inception Report: (Output-1)	1																																																																		
		Work Plan for Perur Desalination Plant (CP1)																																																																			
4.5.3		Design Works of CP1	9																																																																		
	Task 1	Data and Information Collection	2																																																																		
	Task 2	Review the Technical Information	2																																																																		
	Task 3	Conducting Surveys and Investigations	2																																																																		
	Task 4	Concept Design of Perur DSP	5																																																																		
	Task 5	Preparation & Submission of Concept Design Report	1																																																																		
	Task 6	Preparation of Technical Specifications	2																																																																		
	Task 7	Financial Analysis	2																																																																		
	Task 8	Preparation of O&M Requirements for Bid Document	2																																																																		
4.5.4		Bid Documents Preparation for Perur DSP (CP1)																																																																			
	Task 9	Preparation of Request for PreQualification [RFQ] Documents																																																																			
	Task 10	Preparation of Request for Proposal [RFP] Documents																																																																			
4.5.5		Tendering Assistance	12																																																																		
	Task 11	Prebid Meetings, Clarifications & Issue of Addendums etc.	6																																																																		
	Task 12	Submission of PQ Evaluation Report	1																																																																		
	Task 13	Submission of Bid Evaluation Report - Technical	1.50																																																																		
	Task 14	Submission of Bid Evaluation Report - Financial	1																																																																		
4.5.6		Construction supervision for CP1	42																																																																		
	Task 15	Phase-I: Pre-construction activities	12																																																																		
	15.1	Design Review & Submission of Review Reports	12																																																																		
	15.2	Review of QAP & Construction Methodologies for Various Works	9																																																																		
	Task 16	Phase-II: Activities During Construction	30																																																																		
	16.1	Construction Supervision and Quality Control	30																																																																		
	16.2	Inspection of Material	30																																																																		
	16.3	Progress Monitoring, Record keeping and Reporting	30																																																																		
	16.4	Contract Management	30																																																																		

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Activity	Task	Activities and tasks	Project Duration in Months																																																																		
			Duration in Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
	16.5	Measurements, Claims and Financial Control	30																																																																		
	Task 17	Phase-II: Activities During Trial Run and Commissioning	8																																																																		
	17.1	Pre Commissioning Activities	2																																																																		
	17.2	Commissioning Activities	6																																																																		
		Monthly Progress Report with Quality & Quantity Control Details	Monthly																																																																		
		Material / Equipment Testing & Inspection Report	When Ever																																																																		
4.5.7	Task 18	PMC Services During Post-Construction	2																																																																		
	18.1	As-Built Drawings	2																																																																		
	18.2	Submission of Project Completion Report [PCR]	2																																																																		
		Implementation of EIA and EoMP																																																																			

Note : 1. The tentative date of deliverables have been worked out based on the discussion with CMWSSB officials, but the total time duration of each component is fixed as per ToR / as proposed by the PMC team.

2. * During Video Conference call Zoom meeting held on 30.04.2020 with CMWSSB and PMC noted that due to the current COVID-19 Pandemic situation across the globe, overall 2 months delay in floating the RfQ and consequently the RfP for CP1.

3. CMWSSB has forwarded the PQ documents to JICA on March 2020 & August 2020 for concurrence

Legends	
	Main Activities [Full Time]
	Main Activities [Intermittent Time]
	Tasks Under Main Activities [Full Time]
	Tasks Under Main Activities [Intermittent Time]
	Sub Tasks Under Tasks
	Reports
	Client's Role

WORK SCHEDULE - CP2

Project Name: Consultancy for “Design, Preparation of Bid Documents & Evaluation of Bids for the Proposed Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur along East Coast Road, South of Chennai, Tamil Nadu and Construction Management & Supervision for the Proposed Desalination Plant and its Product Water Conveyance Pipeline from the Plant and upto Porur and all allied works.








Activity	Task	Activities and tasks	Duration in Months	Project Duration in Months																																																																									
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70				
				YEAR 2020												YEAR 2021												YEAR 2022												YEAR 2023												YEAR 2024												YEAR 2025													
		Work Plan						Design and Bid document preparation (15 Months as per RFP)												Bid process management and selection of contractor (9 Months)												Construction and Commissioning (24 Months)																								Defect Liability Period (12 Months)																					
		Balance Team Mobilization by Commencement Date	1																																																																										
		Work Plan for Construction of Storage Reservoirs & Pumping Stations (CP2)																																																																											
4.5.8		Design Works of CP2	15																																																																										
	Task 1	Data and Information Collection	1																																																																										
	Task 2	Review the Technical Information	1																																																																										
	Task 3	Conducting Surveys and Investigations	1.50																																																																										
	Task 4	Detailed Design of the Reservoirs and Pumping Stations	8																																																																										
	Task 5	Preparation & Submission of Draft Detailed Design Report	3																																																																										
	Task 6	Preparation & Submission of Final Detailed Design Report	2																																																																										
4.5.9		Bid Documents Preparation for CP2	2																																																																										
	Task 7	Preparation of Request for PreQualification [RFQ] Documents (If required)	1																																																																										
	Task 8	Preparation of Request for Proposal [RFP] Documents	1																																																																										
4.5.10		Tendering Assistance	9																																																																										
	Task 8	Prebid Meetings, Clarifications & Issue of Addendums etc.	8																																																																										
	Task 9	Submission of PQ Evaluation Report	1																																																																										
	Task 10	Submission of Bid Evaluation Report - Technical	1																																																																										
	Task 11	Submission of Bid Evaluation Report - Financial	1																																																																										
4.5.14		Construction supervision for CP2	24																																																																										
	Task 12	Phase-I: Pre-construction activities	2																																																																										
	12.1	Review of QAP & Construction Methodologies for Various Works	2																																																																										
	Task 13	Phase-II: Activities During Construction	20																																																																										
	13.1	Construction Supervision and Quality Control	20																																																																										
	13.2	Inspection of Material	20																																																																										
	13.3	Progress Monitoring, Record keeping and Reporting	20																																																																										
	13.4	Contract Management	20																																																																										
	13.5	Measurements, Claims and Financial Control	20																																																																										
	Task 14	Phase-II: Activities During Trial Run and Commissioning	2																																																																										
	14.1	Pre Commissioning Activities	1																																																																										

WORK SCHEDULE - CP2

Project Name: Consultancy for “Design, Preparation of Bid Documents & Evaluation of Bids for the Proposed Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur along East Coast Road, South of Chennai, Tamil Nadu and Construction Management & Supervision for the Proposed Desalination Plant and its Product Water Conveyance Pipeline from the Plant and upto Porur and all allied works.

[illegible]

Note : The tentative date of deliverables have been worked out based on the discussion with CMWSSB officials, but the total time duration of each component is fixed as per ToR / as proposed by the PMC team.








Legends	
	Main Activities [Full Time]
	Main Activities [Intermittent Time]
	Tasks Under Main Activities [Full Time]
	Tasks Under Main Activities [Intermittent Time]
	Sub Tasks Under Tasks
	Reports
	Client's Role

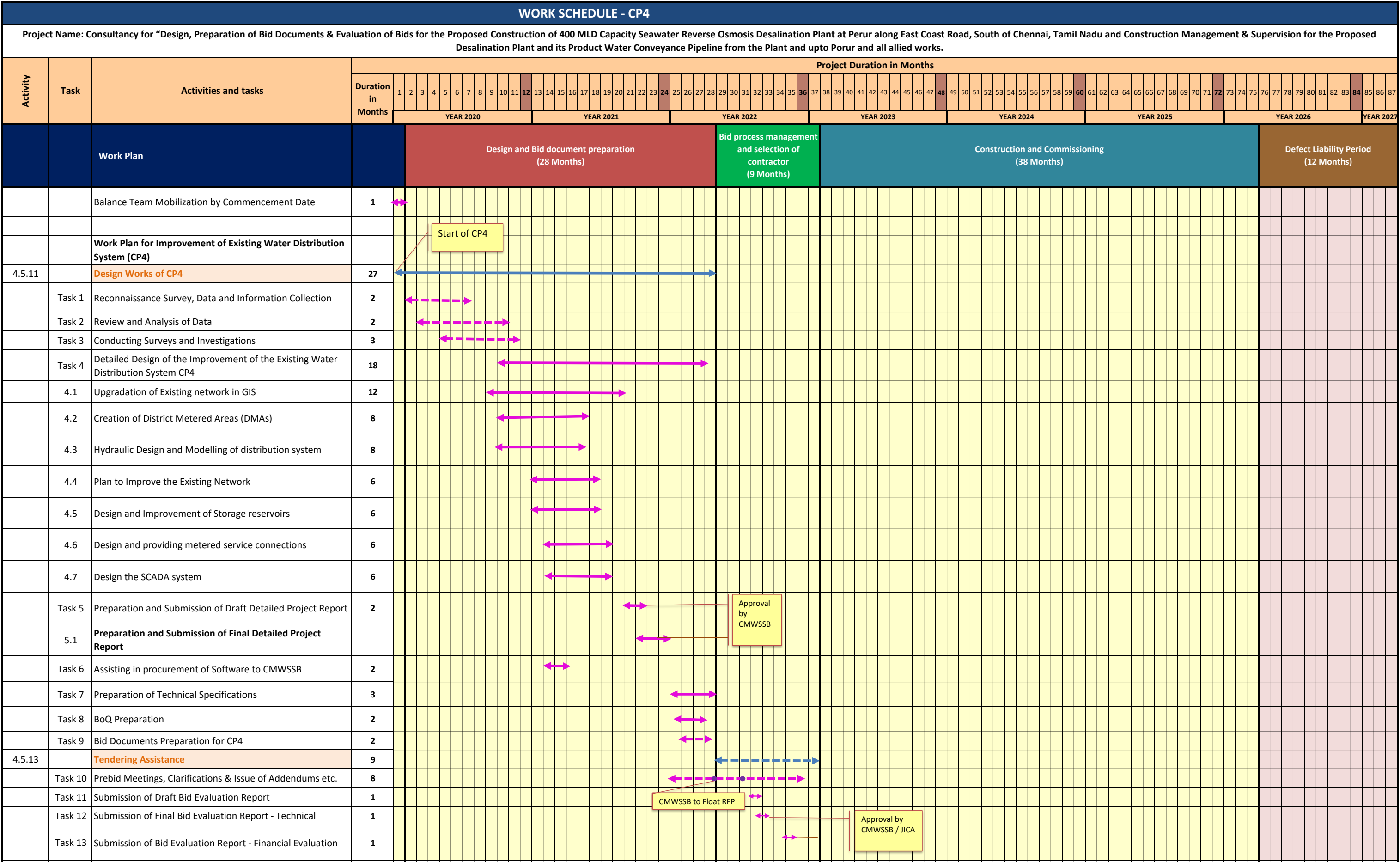
WORK SCHEDULE - CP3

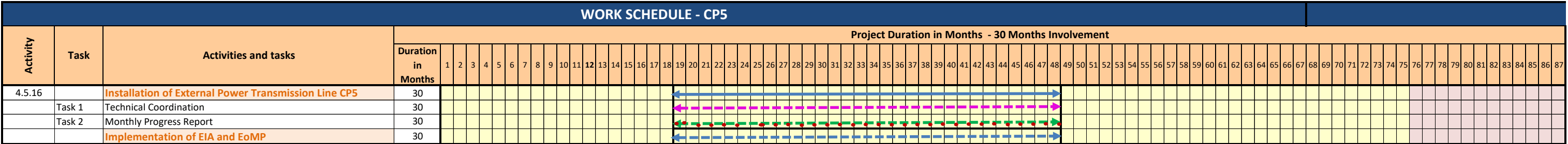
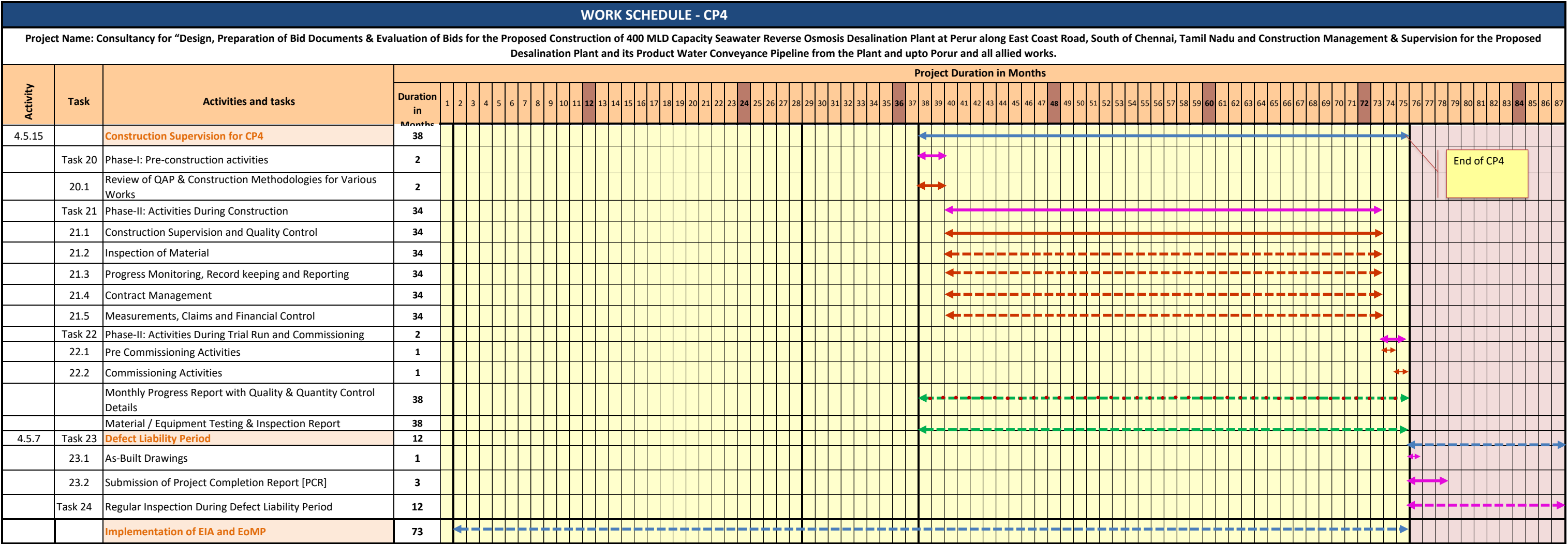
Project Name: Consultancy for “Design, Preparation of Bid Documents & Evaluation of Bids for the Proposed Construction of 400 MLD Capacity Seawater Reverse Osmosis Desalination Plant at Perur along East Coast Road, South of Chennai, Tamil Nadu and Construction Management & Supervision for the Proposed Desalination Plant and its Product Water Conveyance Pipeline from the Plant and upto Porur and all allied works.

Activity	Task	Activities and tasks	Duration in Months	Project Duration in Months																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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		Work Plan			CMWSSB sent the RFP document to JICA for concurrence								Construction and Commissioning (51 Months)																																																																			Defect Liability Period (12 Months)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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	Main Activities [Full Time]
	Main Activities [Intermittent Time]
	Tasks Under Main Activities [Full Time]
	Tasks Under Main Activities [Intermittent Time]
	Sub Tasks Under Tasks
	Reports
	Client's Role





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Legends	
	Main Activities [Full Time]
	Main Activities [Intermittent Time]
	Tasks Under Main Activities [Full Time]
	Tasks Under Main Activities [Intermittent Time]
	Sub Tasks Under Tasks
	Reports
	Client's Role