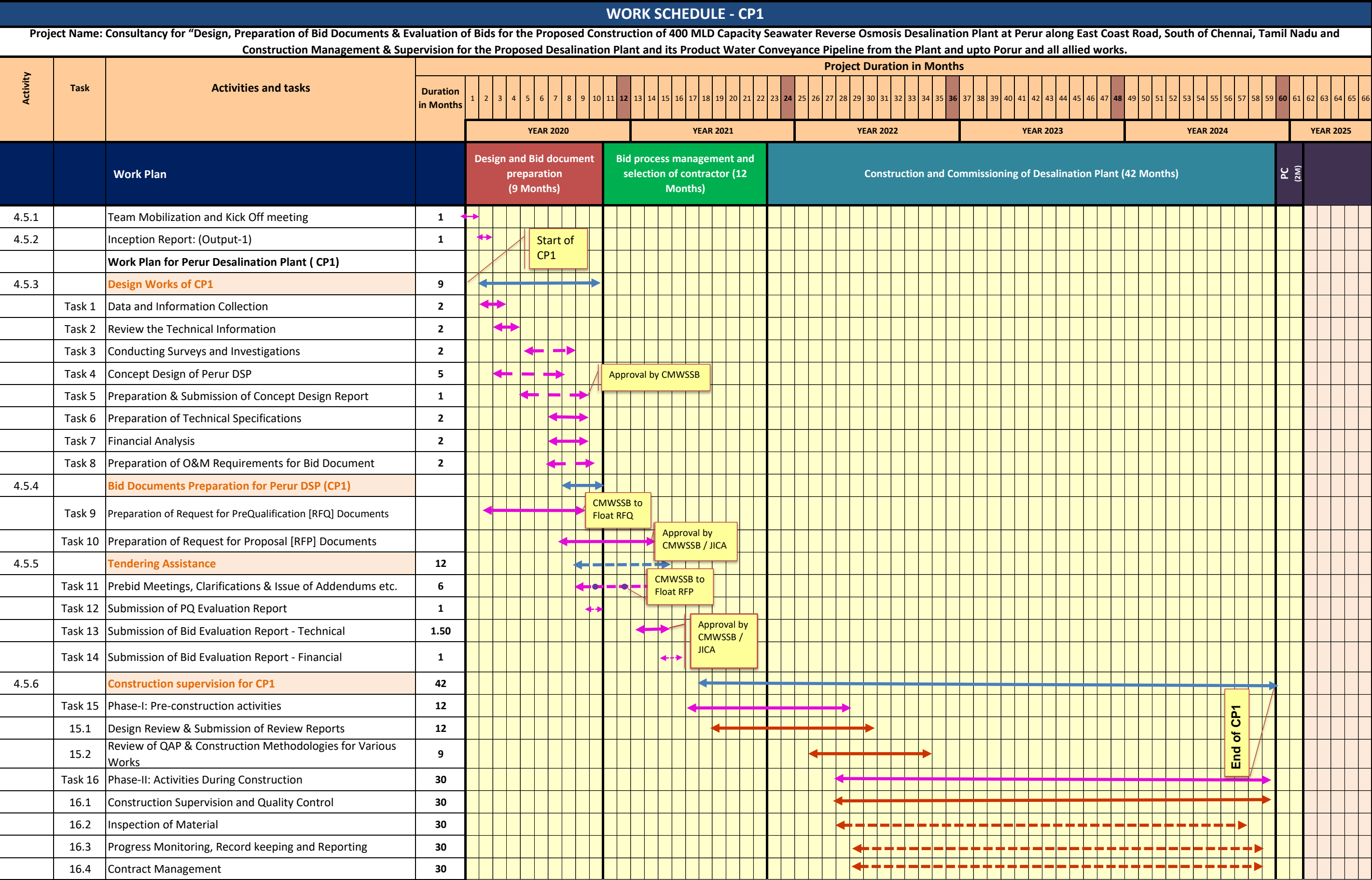


Annexure 4 Work Schedule (Contract Package-wise)








WORK SCHEDULE



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	#	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																																																																						
				Start of CP2																																																																					
		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	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																																																																						

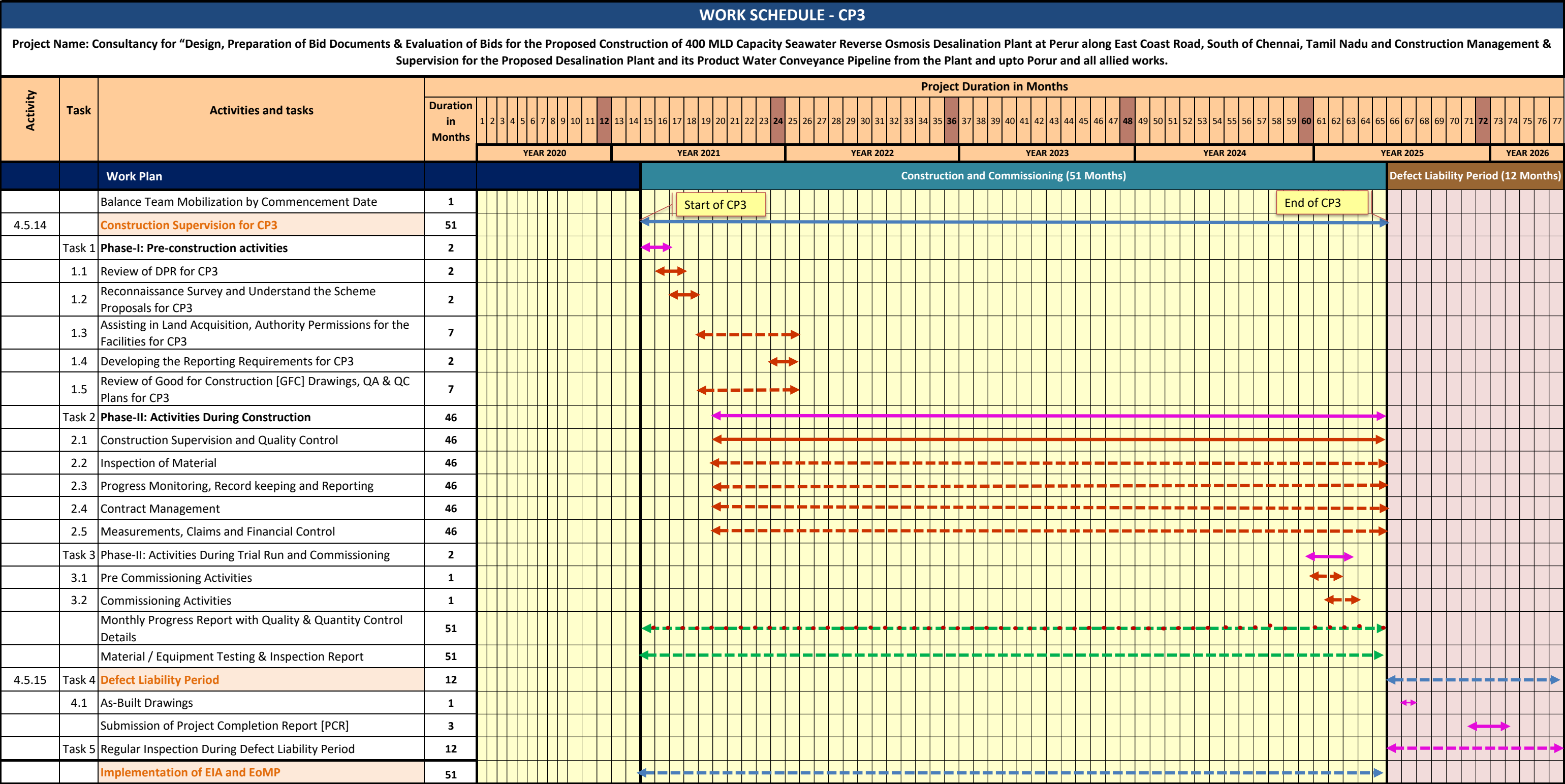
## WORK SCHEDULE - CP2

**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

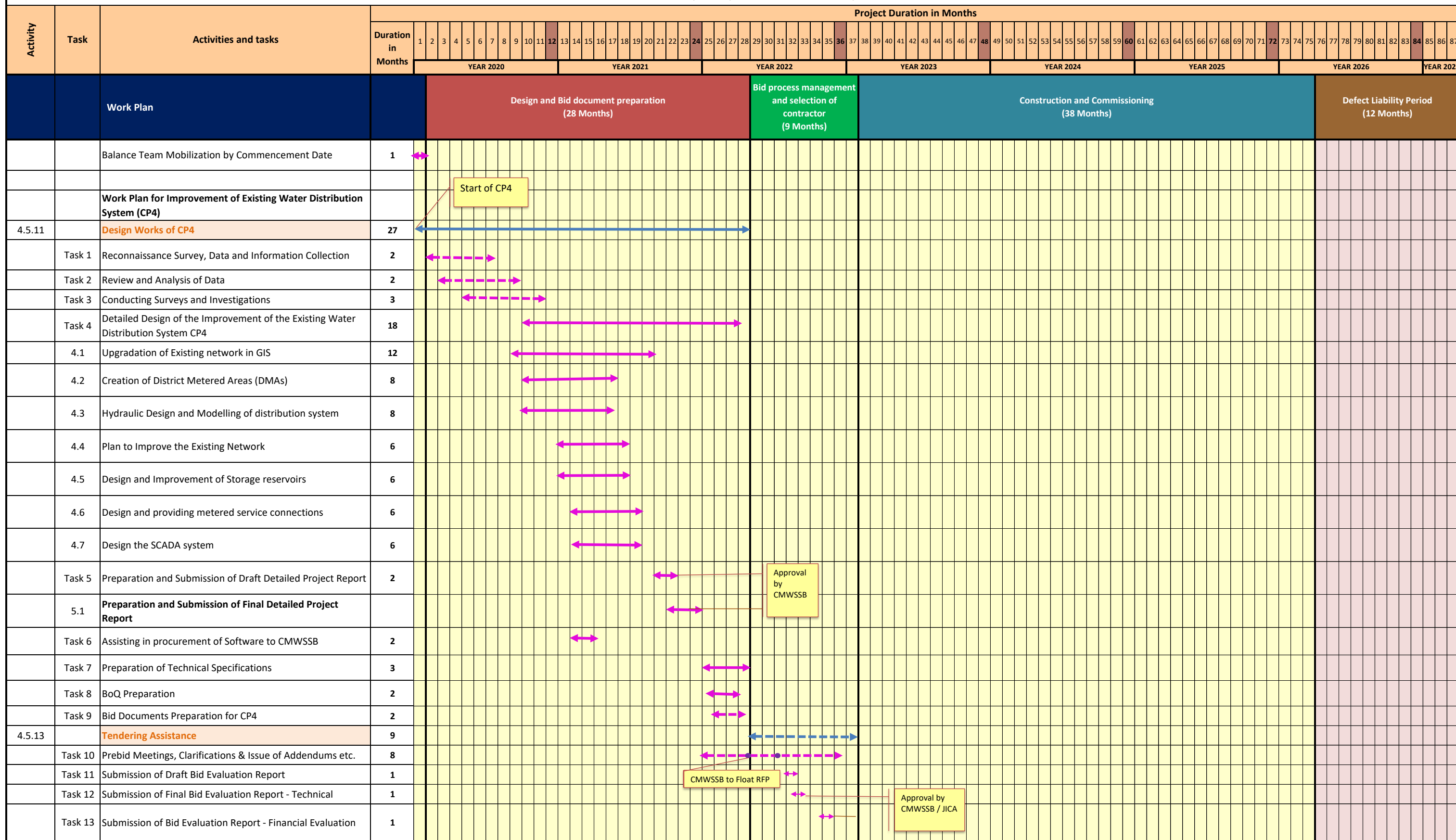


Note : The tentative date of deliverables have been worked out based on the discussion with CMWSSB officials, but the total time duration of each component is fixed as per ToR / as proposed by the PMC team.

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 - CP4

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.










**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	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
4.5.15		Construction Supervision for CP4	38																																																																																							
	Task 20	Phase-I: Pre-construction activities	2																																																																																							
	20.1	Review of QAP & Construction Methodologies for Various Works	2																																																																																							
	Task 21	Phase-II: Activities During Construction	34																																																																																							
	21.1	Construction Supervision and Quality Control	34																																																																																							
	21.2	Inspection of Material	34																																																																																							
	21.3	Progress Monitoring, Record keeping and Reporting	34																																																																																							
	21.4	Contract Management	34																																																																																							
	21.5	Measurements, Claims and Financial Control	34																																																																																							
	Task 22	Phase-II: Activities During Trial Run and Commissioning	2																																																																																							
	22.1	Pre Commissioning Activities	1																																																																																							
	22.2	Commissioning Activities	1																																																																																							
		Monthly Progress Report with Quality & Quantity Control Details	38																																																																																							
		Material / Equipment Testing & Inspection Report	38																																																																																							
4.5.7	Task 23	Defect Liability Period	12																																																																																							
	23.1	As-Built Drawings	1																																																																																							
	23.2	Submission of Project Completion Report [PCR]	3																																																																																							
	Task 24	Regular Inspection During Defect Liability Period	12																																																																																							
		Implementation of EIA and EoMP	73																																																																																							

[illegible][illegible]

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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