

ANNEXURE 5 PROJECTED FINANCIAL PROGRESS BASED ON MAN MONTHS CONSUMED Vs ACTUAL PROGRESS (BILLS PASSED) TILL NOVEMBER 2020

**CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD (CHENNAI PERUR 400MLD DESALINATION PLANT & ALLIED WORKS PROJECT)
REMUNERATION AND REIMBURSABLE COSTS (Indian Rupees & USD)**

DATE : 30.11.2020

PERIOD : Projected till November 2020

Sl. No.	Name of the Staff	Position	Office	Allocated Person Months / Quantity	Monthly Remuneration / Rate (at fixed rate)	Allocated Amount	Total Person months/ quantity Spent upto last Month (October 2020)	Person Months/ Quantity Spent for current month (November 2020)	Total Person Months/ quantity spent upto current month (November 2020)	Balance Carried over	Amount Booked as on last Month (October 2020)	Amount Booked for this Invoice (November 2020)	Total Booked upto this Invoice	Balance Amount
	SMEC INTERNATIONAL PTY LTD													
I	REMUNERATION													
	Key International Expert (in US Dollar)													
1	Dr.Pararajasegram Dharmabalan	Project Manager	Field	70	37,500	26,25,000	4.53	0.68	5.21	64.79	1,69,875	25,500	1,95,375	24,29,625
2	Mr.Shane Farquharson	Water Supply Engineer	Field	23	25,360	5,83,280	2.04	0.00	2.04	20.96	51,734	0	51,734	5,31,546
3	Mr.Michel Morillon	Mechanical Engineer (Desal)	Field	15	44,000	6,60,000	4.22	0.00	4.22	10.78	1,85,680	0	1,85,680	4,74,320
4	Mr.Gilbert Z Gonzales (Replaced for Mr.Sergio de Bastos Vilar Magalhaes Paulo)	Electrical Engineer (Desal)	Field	25	13,132	3,28,300	0.00	0.00	0.00	25.00	0	0	0	3,28,300
5	Mr.John Goullee	Pipeline Engineer	Field	70	22,602	15,82,140	0.00	0.00	0.00	70.00	0	0	0	15,82,140
6	Mr.Abdel Toukan (Replaced for Mr.Roderick Mackenzie)	Contract Specialist (Desal)	Field	9	44,407	3,99,663	0.90	0.95	1.85	7.15	39,966	42,187	82,153	3,17,510
	Non-Key Expert - International Expert													
7	Mr.Afzal Abdul Latheef (Replaced from Mr.Manikandan Ganesh Shoranur)	Monitoring and Control Expert (Desal)	Field	11	19,260	2,11,860	0.00	0.36	0.36	10.64	0	6,934	6,934	2,04,926
	Sub Total 1 in USD			223		63,90,243	11.69	1.99	13.68	209.32	4,47,256	74,621	5,21,876	58,68,367
	Reimbursables													
II	DUTY TRAVEL TO SITE (in US Dollar)													
1	International Air Travel													
	Professional Staff	Trip		40	3,000	1,20,000	5	0	5	35	15,000	0	15,000	1,05,000
	Sub Total 2 in USD					1,20,000					15,000	0	15,000	1,05,000

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	SMEC INDIA PVT. LTD.													
	Non-Key International Expert (in US Dollar)													
1	Dr.D.Elanchezian	Civil and Structural Engineer	Field	42	10,895	4,57,590	2.90	0.95	3.85	38.15	31,596	10,350	41,946	4,15,644
2	Mr.Ashish Gosain	Monitoring and Control Expert (Distribution)	Field	12	7,704	92,448	0.00	0.00	0.00	12.00	0	0	0	92,448
3	Mr.Ganesh Venkataraman (Replaced for Mr.J.Shanmuganathan)	Specification Specialist (Desal)	Field	4	7,264	29,056	0.00	0.36	0.36	3.64	0	2,615	2,615	26,441
4	Mr.Hemant Chadha	Financial Expert	Field	3	12,106	36,318	0.82	0.23	1.05	1.95	9,927	2,784	12,711	23,607
5	Mr.Santhosh Kumar	Commissioning Engineer	Field	10	10,015	1,00,150	0.00	0.00	0.00	10.00	0	0	0	1,00,150
6	Mr.Rajesh Mishra	Social Communication Specialist	Field	16	9,630	1,54,080	0.68	0.14	0.82	15.18	6,548	1,348	7,897	1,46,183
	Sub Total 3 in USD			87		8,69,642	4.40	1.68	6.08	80.92	48,071	17,097	65,168	8,04,474
	Non-Key Experts- Local Staff (Local in Rupees)													
7	Mr.Ramesh Senthil	Civil Engineer	Field	72	4,35,750	3,13,74,000	8.80	0.82	9.62	62.38	38,34,600	3,57,315	41,91,915	2,71,82,085
8	Mr.N Srinivasulu Reddy	Construction Planner / Cost Estimator	Field	4	3,00,000	12,00,000	0.00	0.00	0.00	4.00	0	0	0	12,00,000
9	Mr.R.Muthurajan (Replaced for Mr.K.C.Vinod Chandra)	Quantity Surveyor - 1	Field	50	3,00,000	1,50,00,000	0.36	0.95	1.31	48.69	1,08,000	2,85,000	3,93,000	1,46,07,000
	Support Staff (Local in Rupees)													
10	Mr.B.Ajithkumar	Secretary	Field	70	52,290	36,60,300	0.00	0.95	0.95	69.05	0	49,676	49,676	36,10,625
11	TBN	Geo-technical Engineer	Home	6	4,35,750	26,14,500	0.00	0.00	0.00	6.00	0	0	0	26,14,500
12	Mr.Santosh Biswa	Contract Management Specialist	Home	6	4,35,750	26,14,500	2.81	0.50	3.31	2.69	12,24,458	2,17,875	14,42,333	11,72,168
13	Mr.A.Renu Kumar	Visa & Admin. Officer	Field	70	1,04,580	73,20,600	8.89	0.86	9.75	60.25	9,29,716	89,939	10,19,655	63,00,945
14	Mr.K.Manikandan	Accountant	Field	70	69,720	48,80,400	7.53	0.86	8.39	61.61	5,24,992	59,959	5,84,951	42,95,449
15	Mr.Pilominraj Raja (Replaced for Mr.R.Jagan)	Office Keeper-1	Field	70	26,145	18,30,150	8.81	0.95	9.76	60.24	2,30,337	24,838	2,55,175	15,74,975
16	Mr.Thiruvengadam Someswaran (Replaced for Mr.G.Arjun)	Office Keeper-2	Field	70	26,145	18,30,150	8.81	0.95	9.76	60.24	2,30,337	24,838	2,55,175	15,74,975
	Sub Total 1 in INR			488		7,23,24,600	46.01	6.84	52.85	435.15	70,82,440	11,09,439	81,91,879	6,41,32,721

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	REIMBURSABLE EXPENSES													
1	TRANSPORTATION (REIMBURSABLE)													
1	The Vehicles provided by the Consultants shall include the cost for the rental, drivers, operation, maintenance, repairs, insurance etc.	Month		170	50,000	85,00,000	9	1	10	160	3,43,791	43,390	3,87,181	81,12,819
2	DUTY TRAVEL TO SITE (REIMBURSABLE)													
2	Local Air Travel													
a	Professional Staff	Round Trip		10	20,000	2,00,000	1	0	1	9	20,000	0	20,000	1,80,000
b	Sub Professional Staff	Round Trip		80	10,000	8,00,000	3	0.50	3.50	76.50	30,000	5,000	35,000	7,65,000
3	OFFICE RENT (REIMBURSABLE)													
1	The Rent Cost include maintenance, cleaning, repairs etc.	Month		77	1,00,000	77,00,000	9.40	1	10.40	66.60	9,40,000	1,00,000	10,40,000	66,60,000
4	OFFICE SUPPLIES, UTILITIES & COMMUNICATION (REIMBURSABLE)													
1	Office supplies	No.		77	10,000	7,70,000	7.57	1	8.57	68.43	75,700	10,000	85,700	6,84,300
2	Drafting supplies	No.		77	6,000	4,62,000	7.57	1	8.57	68.43	45,420	6,000	51,420	4,10,580
3	Computer running costs	No.		77	5,000	3,85,000	7.57	1	8.57	68.43	37,850	5,000	42,850	3,42,150
4	Domestic communication	No.		77	15,000	11,55,000	7.57	1	8.57	68.43	1,13,550	15,000	1,28,550	10,26,450
5	OFFICE FURNITURE & EQUIPMENT (REIMBURSABLE)													
A	Office Furniture (Purchase)													
1	Work Station Table & Chairs	No.		LS	5,00,000	5,00,000	LS	0	LS	0	4,95,600	0	4,95,600	4,400
2	Conference Hall Table & Chairs	No.		LS	2,50,000	2,50,000	LS	0	LS	0	2,50,000	0	2,50,000	0
3	Office Interiors	No.		LS	10,00,000	10,00,000	LS	0	LS	0	10,00,000	0	10,00,000	0

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B	Office Equipment (Purchase)													
1	Multipurpose Copy Machine	No.		1	2,00,000	2,00,000	1	0	1	0	2,00,000	0	2,00,000	0
	A0,A1,A2 Plotter	No.		1	5,00,000	5,00,000	1	0	1	0	5,00,000	0	5,00,000	0
2	Laser Printers	No.		1	1,00,000	1,00,000	0	0	0	1	0	0	0	1,00,000
3	Desktop/Laptops	No.		15	60,000	9,00,000	5	5	10	5	3,00,000	3,00,000	6,00,000	3,00,000
4	Refrigerator, Coffee Vending Machine, Oven etc.	No.		LS	1,00,000	1,00,000	0	LS	LS	LS	36,870	8,690	45,560	54,440
5	Office Attendance Biometric Systems	No.		LS	1,00,000	1,00,000	0	0	0	LS	0	0	0	1,00,000
6	Office Server	LS		1	10,00,000	10,00,000	1	0	1	0	10,00,000	0	10,00,000	0
7	Projector	No.		2	25,000	50,000	2	0	2	0	50,000	0	50,000	0
8	Video Conference with Display TVs	No.		1	3,00,000	3,00,000	1	0	1	0	3,00,000	0	3,00,000	0
9	Softwares	No.		LS	30,00,000	30,00,000	0	0	0	0	0	0	0	30,00,000
6	PER DIEM (PER DAY) ALLOWANCE (REIMBURSABLE)													
1	International	No.		810	5,000	40,50,000	138	0	138	672	6,90,000	0	6,90,000	33,60,000
2	National	No.		50	5,000	2,50,000	19	0	19	31	95,000	0	95,000	1,55,000
7	REPORTS & DOCUMENT PRINTING (REIMBURSABLE)													
1	Monthly Progress Report	No.		154	6,000	9,24,000	8	1	9	145	48,000	6,000	54,000	8,70,000
2	Design Report	No.		50	10,000	5,00,000	1	0	1	49	10,000	0	10,000	4,90,000
8	SURVEYS (REIMBURSABLE)													
1	Bathymetric Survey	No.		1	8,00,000	8,00,000	0	0	0	1	0	0	0	8,00,000
2	Geo-Technical Survey	No.		50	15,000	7,50,000	0	0	0	50	0	0	0	7,50,000
3	Water Sample Testing	No.		10	45,000	4,50,000	0	0	0	10	0	0	0	4,50,000
4	Topographical Survey	No.		600	5,000	30,00,000	0	0	0	600	0	0	0	30,00,000
	Sub Total 2 in INR					3,86,96,000					65,81,781	4,99,080	70,80,861	3,16,15,139

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	TATA CONSULTING ENGINEERS LTD.													
	Non-Key International Expert (in US Dollar)													
1	Mr.Manish Chintamani Sane	Specification Specialist [Distribution]	Field	3	11,560	34,680	0.000	0.000	0.000	3.000	0	0	0	34,680
2	Dr.Alok Kumar	Environmental Specialist	Field	15	12,750	1,91,250	1.362	0.41	1.772	13.228	17,366	5,228	22,593	1,68,657
3	Mr.Hyacinth Augusto Vaz	Organisational Expert	Field	9	10,950	98,550	0.000	0.000	0.000	9.000	0	0	0	98,550
	Sub Total 4 in USD			27		3,24,480	1.362	0.410	1.772	25.228	17,366	5,228	22,593	3,01,887
	(Key Staff) - Local in Rupees													
1	Mr.S.Siddappaswamy	Senior Civil Engineer	Field	72	8,00,000	5,76,00,000	4.55	0.77	5.32	66.68	36,39,200	6,16,000	42,55,200	5,33,44,800
2	Mr.Nagesh Chinnam	Senior Pipeline Engineer	Field	72	6,00,000	4,32,00,000	4.82	0.86	5.68	66.32	28,90,800	5,16,000	34,06,800	3,97,93,200
	Sub Total 3 in INR			144.000		10,08,00,000	9.37	1.63	11.00	133.00	65,30,000	11,32,000	76,62,000	9,31,38,000
	Non-Key Expert [National] in Rupees													
3	Mr.Mayur Gupta (Replaced for Mr.Surajit Debnath)	Mechanical Engineer	Field	40	5,00,000	2,00,00,000	0.000	0.00	0.000	40.000	0	0	0	2,00,00,000
4	Mr.Om Prakash Singh (Replaced for Mr.GVK Mohan)	Electrical Engineer	Field	45	5,00,000	2,25,00,000	0.000	0.00	0.000	45.000	0	0	0	2,25,00,000
5	Ms.Sudha J. (Replaced for Mr.Vinod MK)	Structural Engineer	Field	28	6,25,000	1,75,00,000	0.000	0.68	0.680	27.320	0	4,25,000	4,25,000	1,70,75,000
6	Mrs.Kirti Alhad Sadarjoshi (Replaced for Mr.Kumar M)	Architect	Field	12	4,75,000	57,00,000	0.000	0.64	0.640	11.360	0	3,04,000	3,04,000	53,96,000
7	Mr.K.Senthil	Building Mechanical & Electrical Engineer	Field	16	5,50,000	88,00,000	0.000	0.00	0.000	16.000	0	0	0	88,00,000
8	Mr.S.Sreenivasula reddy	Specification Specialist	Field	4	5,00,000	20,00,000	0.000	0.00	0.000	4.000	0	0	0	20,00,000
9	Mr.S.M.Karthikaeswaran	Environmental Specialist	Field	30	5,00,000	1,50,00,000	7.179	0.77	7.949	22.051	35,89,500	3,85,000	39,74,500	1,10,25,500
10	Mr.Hema Kumar	Pipeline Engineer-3	Field	50	2,40,000	1,20,00,000	0.000	0.00	0.000	50.000	0	0	0	1,20,00,000
11	Mr.Najas Thattakatte Abdul Kareem	Safety & Health Expert-1	Field	40	2,40,000	96,00,000	0.000	0.00	0.000	40.000	0	0	0	96,00,000
12	Mr.Prashant Balan	Safety & Health Expert-2	Field	70	2,40,000	1,68,00,000	0.000	0.00	0.000	70.000	0	0	0	1,68,00,000
13	Mr.V.S.Rajasekar	Quantity Surveyor-2	Field	70	2,40,000	1,68,00,000	1.088	0.50	1.588	68.412	2,61,120	1,20,000	3,81,120	1,64,18,880
	Sub Total 4 in INR			405		14,67,00,000	8.267	2.59	10.857	394.143	38,50,620	12,34,000	50,84,620	14,16,15,380

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	REIMBURSABLE EXPENSES													
1	TRANSPORTATION (REIMBURSABLE)													
1	The Vehicle provided by the consultants shall include the cost for the rental, drivers, operation, maintenance, repairs, insurance etc.	Months		200	50,000	1,00,00,000	4.06	1	5.06	194.94	2,02,949	40,620	2,43,569	97,56,441
2	Local Air travel													
	Professional Staff	Return Trip		50	20,000	10,00,000	2.50	1	3.50	46.50	50,000	20,000	70,000	9,30,000
	Sub Total 5 in INR					1,10,00,000					2,52,949	60,620	3,13,569	1,06,86,441
	NJS ENGINEERS INDIA PVT. LTD.													
	Remuneration													
	Key Staff- International (in US Dollars)													
1	Dr.Ghulam Mustafa	Desalination Expert	Field	29.50	26,225	7,73,638	7.13	0.95	8.08	21.42	1,86,984	24,914	2,11,898	5,61,740
2	Dr.Uday G. Kelkar	Additional Key Expert - International	Field	2.50	26,225	65,563	0.69	0.14	0.83	1.67	18,095	3,672	21,767	43,796
3	Mr.Tharloak S.Bhatt	Contract Specialist (Distribution)	Field	8	22,700	1,81,600	0.00	0.00	0.00	8.00	0	0	0	1,81,600
	Non-Key Expert - International Expert													
4	Mr.Madhawa Delpachitra	Mechanical Engineer (Distribution)	Field	4	22,700	90,800	0.00	0.00	0.00	4.00	0	0	0	90,800
5	Mr.Manfred Kurt (Meisner)	Electrical Engineer (Distribution)	Field	4	23,500	94,000	0.00	0.00	0.00	4.00	0	0	0	94,000
	Sub Total 5 in USD			48		12,05,600	7.82	1.09	8.91	39.09	2,05,079	28,586	2,33,665	9,71,935

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	Non-Key Expert [National]- in Rupees													
6	Mr.Rahul N Ramdhan (Replaced from Mr.Chandra Sekhar Reddy Yedla)	Pipeline Engineer 1	Field	60	4,30,000	2,58,00,000	1.59	0.45	2.04	57.96	6,83,700	1,93,500	8,77,200	2,49,22,800
7	Mr.P.Thangavel (Replaced from Mr.V.Tulasi Ram)	Pipeline Engineer - 2	Field	60	4,30,000	2,58,00,000	0.55	0.95	1.50	58.50	2,36,500	4,08,500	6,45,000	2,51,55,000
8	Mr.Saravanan P M	Hydraulic Modeller - 1	Field	8	4,30,000	34,40,000	0.09	0.00	0.09	7.91	38,700	0	38,700	34,01,300
9	Ms.V.Nandhini	Hydraulic Modeller - 2	Field	8	4,30,000	34,40,000	0.00	0.00	0.00	8.00	0	0	0	34,40,000
10	Mrs.R.Kanmani (Replaced from Dr.M.Rajsekhar Reddy)	Social Communication Specialist	Field	72	5,00,000	3,60,00,000	1.31	0.91	2.22	69.78	6,55,000	4,55,000	11,10,000	3,48,90,000
	Support Staff (in Rupees)													
11	Mr.G.Murali	CAD Operator-1	Field	30	1,00,000	30,00,000	6.67	0.91	7.58	22.42	6,67,000	91,000	7,58,000	22,42,000
12	Ms.J.Nithya	CAD Operator-2	Field	30	1,00,000	30,00,000	0.00	0.00	0.00	30.00	0	0	0	30,00,000
13	TBN	CAD Operator-3	Field	30	1,00,000	30,00,000	0.00	0.00	0.00	30.00	0	0	0	30,00,000
14	Mr.Suresh Mohan Dwivedi	GIS Operator	Field	18	2,50,000	45,00,000	0.59	0.23	0.82	17.18	1,47,500	57,500	2,05,000	42,95,000
15	TBN	Site Inspector-1	Field	50	1,35,000	67,50,000	0.00	0.00	0.00	50.00	0	0	0	67,50,000
16	TBN	Site Inspector-2	Field	50	1,35,000	67,50,000	0.00	0.00	0.00	50.00	0	0	0	67,50,000
17	TBN	Site Inspector-3	Field	50	1,35,000	67,50,000	0.00	0.00	0.00	50.00	0	0	0	67,50,000
18	TBN	Site Inspector-4	Field	50	1,35,000	67,50,000	0.00	0.00	0.00	50.00	0	0	0	67,50,000
19	TBN	MIS Specialist	Field	50	2,60,000	1,30,00,000	0.00	0.00	0.00	50.00	0	0	0	1,30,00,000
	Sub Total 6 in INR			566		14,79,80,000	10.80	3.45	14.25	551.75	24,28,400	12,05,500	36,33,900	14,43,46,100
	REIMBURSABLE EXPENSES													
2	DUTY TRAVEL TO SITE (in US Dollar)													
1	International Air Travel													
	Professional Staff	Return Trip		10	3,000	30,000	0	0	0	10	0	0	0	30,000
	Sub Total 6 in USD					30,000					0	0	0	30,000

Sl. No.	Name of the Staff	Position	Office	Allocated Person Months / Quantity	Monthly Remuneration / Rate (at fixed rate)	Allocated Amount	Total Person months/ quantity Spent upto last Month (October 2020)	Person Months/ Quantity Spent for current month (November 2020)	Total Person Months/ quantity spent upto current month (November 2020)	Balance Carried over	Amount Booked as on last Month (October 2020)	Amount Booked for this Invoice (November 2020)	Total Booked upto this Invoice	Balance Amount
1	TRANSPORTATION (Reimbursable) (in Indian Rupees)													
1	The Vehicle provided by the consultants shall include the cost for the rental, drivers, operation, maintenance, repairs, insurance etc.	Months		84	50,000	42,00,000	2.40	1	3.40	80.60	77,111	44,280	1,21,391	40,78,609
2	DUTY TRAVEL TO SITE													
2	Local Air Travel													
b	Sub Professional Staff	Return Trip		20	10,000	2,00,000	1	1	2	18	7,360	6,932	14,292	1,85,708
6	PER DIEM													
1	International	Day		1,440	5,000	72,00,000	12	0	12	1,428	60,000	0	60,000	71,40,000
	Sub Total 7 in INR					1,16,00,000					1,44,471	51,212	1,95,683	1,14,04,317
	Grand Total in INR					52,91,00,600					2,68,70,661	52,91,851	3,21,62,512	49,69,38,098
	Grand Total In USD					89,39,965					7,32,772	1,25,532	8,58,303	80,81,662
	Contingencies @ 5% (in INR)					2,64,55,030								
	Contingencies @ 5% (in USD)					4,46,998								
	Provisional Sum (in INR)					2,00,00,000								
	Provisional Sum (in USD)					25,000								
	GRAND TOTAL COST IN INR					57,55,55,630								
	GRAND TOTAL COST IN USD					94,11,963								
	Projected Financial Progress till the end of November 2020	3,21,62,512	in INR	Total project cost		57,55,55,630	INR			% Financial Progress till the end of November 2020	5.59%	in INR		
		8,58,303	in USD			94,11,963	USD				9.12%	in USD		
	ACTUAL FINANCIAL PROGRESS (Based on Bills Passed till the end of November 2020)	1,54,72,083	in INR							% Actual Financial Progress till the end of November 2020	2.69%	in INR		
		4,09,354	in USD								4.35%	in USD		

In addition to the above for SMEC India Pvt. Ltd., the Mobilisation advance payment in Local Currency (5% of Contract value) received on 19.05.2020 as against Advance Bank Guarantee

In addition to the above for SMEC International Pty Ltd, the Mobilisation advance payment in Foreign Currency (5% of Contract value) received on 17.09.2020 as against Advance Bank Guarantee

In addition to the above for TATA Consulting Engineers Ltd., the Mobilisation advance payment in Local Currency (5% of Contract value) received on 22.10.2020 as against Advance Bank Guarantee

Chennai Metropolitan Water Supply & Sewerage Board
CHENNAI 400 MLD DESALINATION PLANT & ALLIED WORKS

STATEMENT OF TIME

MONTH : November 2020

Sl. No.	Name of the Staff	Position	TIME AS SPENT ON THE JOB																														Total No. of Days Worked	Man Month	
			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			
	SMEC INTERNATIONAL PTY LTD																																		
	Key Expert - International Expert																																		
1	Dr.Pararajasegram Dharmabalan	Project Manager	0	1	1	1	0	0	0	0	1	1	0	1	1	0	0	1	1	0	1	1	0	0	1	1	0	0	1	0	0	1	15	0.68	
2	Mr.Shane Farquharson	Water Supply Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
3	Mr.Michel Morillon	Mechanical Engineer (Desal)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
4	Mr.Gilbert Z Gonzales (Replaced for Mr.Sergio de Bastos Vilar Magalhaes Paulo)	Electrical Engineer (Desal)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
5	Mr.John Goullee	Pipeline Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
6	Mr.Abdel Toukan (Replaced for Mr.Roderick Mackenzie)	Contract Specialist (Desal)	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95
	Non-Key Expert - International Expert																																		
7	Mr.Afzal Abdul Latheef (Replaced for Mr.Manikandan Ganesh Shoranur)	Monitoring and Control Expert (Desal)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	1	8	0.36	

Chennai Metropolitan Water Supply & Sewerage Board
CHENNAI 400 MLD DESALINATION PLANT & ALLIED WORKS

Sl. No.	Name of the Staff	Position	TIME AS SPENT ON THE JOB																														Total No. of Days Worked	Man Month
			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		
	SMEC INDIA PRIVATE LIMITED																																	
	Non-Key Expert - International Expert																																	
1	Dr.D.Elanchezian	Civil and Structural Engineer	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95
2	Mr.Ashish Gosain	Monitoring and Control Expert (Distribution)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Mr.Ganesh Venkataraman (Replaced for Mr.J.Shanmuganathan)	Specification Specialist (Desal)	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	8	0.36
4	Mr.Hemant Chadha	Financial Expert	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	5	0.23
5	Mr.Santhosh Kumar	Commissioning Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Mr.Rajesh Mishra	Social Communication Specialist	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.14
	Non-Key Expert - Local Expert																																	
7	Mr.Ramesh Senthil	Civil Engineer	0	1	1	1	1	1	0	0	A	A	1	1	1	0	0	1	1	1	1	1	0	0	1	A	1	1	1	0	0	1	18	0.82
8	Mr.N.Srinivasulu Reddy	Construction Planner / Cost Estimator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Mr.R.Muthurajan (Replaced for Mr.K.C.Vinod Chandra)	Quantity Surveyor - 1	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95

Chennai Metropolitan Water Supply & Sewerage Board
CHENNAI 400 MLD DESALINATION PLANT & ALLIED WORKS

Sl. No.	Name of the Staff	Position	TIME AS SPENT ON THE JOB																														Total No. of Days Worked	Man Month
			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		
	Support Staff																																	
10	Mr.B.Ajithkumar	Secretary	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95
11	TBN	Geo-technical Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Mr.Santosh Biswa	Contract Management Specialist	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	A	A	A	A	A	0	0	1	0	0	0	1	0	0	0	11	0.50
13	Mr.A.Renu Kumar	Visa & Admin. Officer	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	A	1	1	1	1	0	0	1	1	1	1	A	0	0	1	19	0.86
14	Mr.K.Manikandan	Accountant	0	1	1	1	1	1	0	0	1	A	1	1	1	0	0	1	1	A	1	1	0	0	1	1	1	1	1	0	0	1	19	0.86
15	Mr.Pilominraj Raja (Replaced for Mr.R.Jagan)	Office Keeper-1	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95
16	Mr.Thiruvengadam Someswaran (Replaced for Mr.G.Arjun)	Office Keeper-2	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95

Chennai Metropolitan Water Supply & Sewerage Board
CHENNAI 400 MLD DESALINATION PLANT & ALLIED WORKS

Sl. No.	Name of the Staff	Position	TIME AS SPENT ON THE JOB																														Total No. of Days Worked	Man Month	
			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			
	TATA CONSULTING ENGINEERS LTD.																																		
	Non-Key Expert - International Expert																																		
1	Mr.Manish Chintamani Sane	Specification Specialist [Distribution]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2	Dr.Alok Kumar	Environmental Specialist	0	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
3	Mr.Hyacinth Augusto Vaz	Organisational Expert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Key Expert - Local Expert																																		
1	Mr.S.Siddappaswamy	Senior Civil Engineer	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	1	0	0	0	1	0	0	1	17	0.77	
2	Mr.Nagesh Chinnam	Senior Pipeline Engineer	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	0	0	0	19	0.86	
	Non-Key Expert - Local Expert																																		
3	Mr.Mayur Gupta (Replaced for Mr.Surajit Debnath)	Mechanical Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Mr.Om Prakash Singh (Replaced for Mr.GVK Mohan)	Electrical Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Ms.Sudha J. (Replaced for Mr.Vinod MK)	Structural Engineer	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	1	0	0	1	15	0.68	
6	Mrs.Kirti Alhad Sadarjoshi (Replaced for Mr.Kumar M)	Architect	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	0	0	1	14	0.64	
7	Mr.K Senthil	Building Mechanical & Electrical Engineer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	Mr.S.Sreenivasula reddy	Specification Specialist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Mr.S.M.Karthikaeswaran	Environmental Specialist	0	1	1	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1	17	0.77	
10	Mr.S.Hema Kumar	Pipeline Engineer-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	Mr.Najas Thattakatte Abdul Kareem	Safety & Health Expert-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	Mr.Prashant Balan	Safety & Health Expert-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Mr.V.S.Rajasekar	Quantity Surveyor-2	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	11	0.50

Chennai Metropolitan Water Supply & Sewerage Board
CHENNAI 400 MLD DESALINATION PLANT & ALLIED WORKS

Sl. No.	Name of the Staff	Position	TIME AS SPENT ON THE JOB																														Total No. of Days Worked	Man Month
			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		
	NJS ENGINEERS INDIA PVT. LTD.																																	
	Key Expert - International Expert																																	
1	Dr.Ghulam Mustafa	Desalination Expert	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95
2	Dr.Uday G.Kelkar	Additional Key Expert - International	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0.14
3	Mr.Tharloak S.Bhatt	Contract Specialist (Distribution)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	Non-Key Expert - International Expert																																	
4	Mr.Madhawa Delpachitra	Mechanical Engineer (Distribution)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	Mr.Manfred Kurt (Meisner)	Electrical Engineer (Distribution)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	Non-Key Expert - Local Expert																																	
6	Mr.Rahul N Ramdhan (Replaced for Mr.Chandra Sekhar Reddy Yedla)	Pipeline Engineer-1	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	A	A	A	A	A	0	0	A	A	A	A	A	0	0	A	10	0.45
7	Mr.P.Thangavel (Replaced for Mr.V.Tulasi Ram)	Pipeline Engineer - 2	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	21	0.95
8	Mr.Saravanan P M	Hydraulic Modeller-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	Ms.V.Nandhini	Hydraulic Modeller - 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	Mrs.R.Kanmani (Replaced for Dr.M.Rajsekhar Reddy)	Social Communication Specialist	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	A	0	0	1	1	1	1	1	0	0	1	20	0.91

Chennai Metropolitan Water Supply & Sewerage Board
CHENNAI 400 MLD DESALINATION PLANT & ALLIED WORKS

Sl. No.	Name of the Staff	Position	TIME AS SPENT ON THE JOB																														Total No. of Days Worked	Man Month
			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		
	Support Staff																																	
11	Mr.G.Murali	CAD Operator-1	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	A	0	0	1	20	0.91
12	Ms.J.Nithya	CAD Operator-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TBN	CAD Operator-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Mr.Suresh Mohan Dwivedi	GIS Operator	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	5	0.23
15	TBN	Site Inspector-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TBN	Site Inspector-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	TBN	Site Inspector-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	TBN	Site Inspector-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	TBN	MIS Specialist	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total																														434	19.68

Holiday : Saturday, Sunday
 Government Public Holiday / CMWSSB Holiday
 Absent