

# PMC for 400 MLD SWRO Desalination Plant at Perur, Chennai

## Consortium Partners

SMEC International Pty. Ltd. (ACN-065440619/FCRN-F01483)

NJS Engineers India Pvt Ltd, India (CIN - U74210PN2007PTC129798)

Tata Consulting Engineers Limited, India (CIN- U74210MH1999PLC123010)

SMEC (India) Pvt. Ltd. (CIN: U93000DL1997PTC088574)



\*\*Ref: SMEC/ CMWSSB / 5061185/377

Date: 14<sup>th</sup> July 2021

To,  
**The Superintending Engineer (Desalination)**  
Chennai Metropolitan Water Supply and Sewerage Board,  
Urban Administrative Building,  
2<sup>nd</sup> floor, No.75, Santhome High Road,  
MRC Nagar, Raja Annamalaipuram,  
Chennai- 600 028  
Tamil Nadu, India

**Sub:** 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"  
- **Submission of Invoice for June 2021 for SMEC India Pvt. Ltd. in Local Currency (2 copies)**  
- **Reg.**

**Ref:** 1. Our Letter no. Ref: SMEC/ CMWSSB / 7061563/005, dated 20.01.2020  
2. Your Letter no. Lr.no.CMWSSB/SE(Desal)/400 MLD Plant / PMC/2020, dated 13.01.2020  
3. Our Contract Agreement No.CNT/CON/DESAL/ICB/Gol/016/2018-19, dated 09.01.2020

Dear Sir,

With reference to our agreement with CMWSSB vide our letter cited in reference no.3, dated 09.01.2020 for the subject project, please find enclosed the two (2) copies of invoices for **June 2021 for SMEC India Pvt. Ltd. in Local Currency**. The details of invoice for the **June 2021** for SMEC India Pvt. Ltd. in Local Currency is furnished below:

Sl. No.	Description	Invoice No. & Date	Currency
1	Invoice for June 2021 for SMEC India Pvt. Ltd. in Local Currency	7061563/2122/05L & 09.07.2021	INR 13,62,733.70

We request you to kindly consider the Lower Deduction of TDS @ 7%. We request you to kindly release the payment at the earliest.

Thanking you assuring our services at all times.

Yours truly,

For **Consortium of SMEC International Pty Ltd-TCE Ltd.-NJS Engineers India Pvt. Ltd. -SMEC (India) Pvt. Ltd.**

**S.Srinivasarao**  
Authorised Signatory  
SMEC India Pvt. Ltd.

Encl.: Invoice for June 2021 for SMEC India Pvt. Ltd. in Local Currency (2 copies)

## PMC Chennai Office Address:

13th Floor, Purva Primus, No 236, Okhiyampettai, Old Mahabalipuram Road, Thorapakkam, Chennai, Tamil Nadu 600097

+91 044 66973300 | [indiabd@smec.com](mailto:indiabd@smec.com) | [www.smec.com](http://www.smec.com)

**SMEC INDIA PRIVATE LIMITED**

**CHECKLIST FOR LOCAL CURRENCY MONTH OF JUNE 2021**

Sl. No.	Description	Enclosed Status
1	Letter for Submission of Invoice	Yes
2	Checklist / Index	Yes
3	Invoice for Bill month of June 2021	Yes
4	Allocation/Participation – Cost Break Up Details	Yes
5	Abstract of Claim of Payment	Yes
6	Remuneration Details	Yes
7	Signed copy of Attendance Sheet	Yes
8	Vehicle Rental Invoice	Yes
9	Duty Travel – Flight Tickets	N/A
10	Office Rental Invoice	Yes
11	Purchase of Office Equipment Invoice (Tax Invoice)	N/A
12	Report Submission Acknowledgement	Yes
13	Survey Invoice	N/A
14	Software Purchase Invoice	N/A
15	Per Diem Allowance	Yes
16	Insurance copies with Abstract Sheet	Yes
17	Performance Security Bank Guarantee / Advance Bank Guarantee	Yes
18	Asset Register/Stock Register	Yes
19	Lower Deduction of Tax Certificate	Yes
20	Price Escalation for 2 <sup>nd</sup> Year Acknowledgment Copy	Yes

N/A : Not Applicable



Member of the Surlana Jurong Group

To

**The Superintending Engineer (Desalination)**  
Chennai Metropolitan Water Supply and Sewerage Board,  
Urban Administrative Building,  
2nd floor, No. 75, Santhome High Road,  
MRC Nagar, Raja Annamalaipuram,  
Chennai - 600 028, Tamil Nadu, India  
State Code-33

From:

**SMEC India Pvt Ltd**  
Purvankara Primus, 13th Floor  
No. 236, OMR, Okkiyampet  
Thuraiyakkam, Chennai - 600 097  
SAC Code - 998335  
**GSTIN- 33AABCS5267K2Z5**  
PAN-AABCS5267K

**Name of the Project: 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**

**BILL OF SUPPLY**

Invoice Date: 09.07.2021  
Invoice No: 7061563/2122/05L

Project No: 7061563  
Client Ref. No.: 7061563/21-22/17

**INVOICE FOR THE MONTH OF JUNE - 2021**

S.No.	Description	CURRENCY (INR)				
		CONTRACT VALUE (1st YEAR)	CONTRACT VALUE (2nd Year)	THIS INVOICE	UPTO PREVIOUS INVOICES	LIFE TO DATE
A	B	C		D	E	F
I.	REMUNERATION	7,23,24,600	7,28,24,172.00	10,58,533.58	1,50,69,295.13	1,61,27,828.71
II.	REIMBURSABLES	3,86,96,000	3,90,38,720.00	3,76,291.42	1,17,89,325.73	1,21,65,617.15
	<b>TOTAL VALUE</b>	11,10,20,600	11,18,62,892.00	14,34,825.00	2,68,58,620.86	2,82,93,445.86
	<b>TOTAL INVOICE AMOUNT</b>			14,34,825.00		
	<b>RETENTION AMOUNT</b>			-		
	<b>MOBILISATION ADVANCE 6 OF 77 (89 Contract period minus 12 MONTHS)</b>			72,091.30	3,60,456.50	4,32,547.80
	<b>GRAND TOTAL</b>			13,62,733.70	2,64,98,164.36	2,78,60,898.06

(INR Thirteen Lakh Sixty Two Thousand Seven Hundred Thirty Three Rupees And Seventy Paise Only)

Please remit the above payment through cheque/demand draft/transfer to our below account:

Company Name SMEC India Pvt.Ltd.  
Account Number 003000036204  
Bank Name Australia and New Zealand Banking Group Ltd.  
Branch Address Cnergy, Unit No. A, 6th Floor, Appa Saheb  
Marathe Marg, Prabhadevi, Mumbai - 400 025  
RTGS/NEFT RTGS ANZB0000001

SMEC India Pvt. Ltd. is registered as MSME under MSME Act, 2006 vide UDYAM Registration No- UDYAM-HR-05-0000760.  
Any payment beyond 45 days will attract payment of interest on delayed payment at three times of the bank rate notified by the RBI

\* **TAX TO BE DEDUCTED AS PER CERTIFICATE NO.1AA0721AMR & TDS rate 7%**

For SMEC India Pvt. Ltd.

Consultancy Services being a pure service provided to the CMWSS Board is exempted from Goods and Service Tax per Notification no. 9/2017.

**Project Manager**

Corporate office: 1st Floor, Novus Tower, Plot no.18, Sector-18, Gurugram 122015, Haryana, INDIA  
Telephone :+91-124-4552800,4501100 Facsimile: +91-124-4380043

### ALLOCATION / PARTICIPATION - BREAKUP DETAILS OF CONSORTIUMS

<b>Name of Work</b> : “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”																	
<b>Contract Number</b>				<b>:</b> CNT/CON/DESAL/ICB/GoI/016/2018-19													
<b>Name of Project Management Consultant</b>				<b>:</b> SMEC India Pvt. Ltd., Haryana													
<b>Contract Value</b>				<b>:</b> INR 57,55,55,630 and USD 9,411,963 (Including Contingencies @ 5% and Provisional Sums)													
<b>Contract Period</b>				<b>:</b> 89 Months													
<b>Project Code Number</b>				<b>:</b> 7061563													
<b>Date of Commencement of work</b>				<b>:</b> 20th January, 2020													
<b>Participation Value for</b>				<b>:</b> INR 11,10,20,600 and USD 869,642 (Excluding Contingencies @ 5% and Provisional Sums)													
<b>Price Escalation for Remuneration for 2nd year (From 01.02.2021 to 19.01.2022) &amp; Price Escalation for Reimbursable (From 01.02.2021 to 19.01.2022) ( as per GoI, Ministry of labour &amp; employment Labour Bureau, clause 5.2, pg-41)</b>				<b>Consumer Price Index as on January 2020 = 330</b>													
				<b>Consumer Price Index as on January 2021 = 118.2</b>													
				<b>Linking Factor = 2.88</b>													
				<b>Price Adjustment Factor = 118.2 * 2.88 / 330 = 1.03</b>													
<b>Reference to schedule</b>	<b>Description of Work</b>			<b>Contract Quantity as per Agreement</b>	<b>Unit</b>	<b>Allocated Quantity</b>	<b>Cost per Month</b>	<b>Allocated/ Participation Amount</b>	<b>Price adj factor for 2nd Yr (From Feb' 21 to Jan'22)</b>	<b>Revised Cost (INR)</b>	<b>Utilised Qty (From Jan'2020 to Jan'2021)</b>	<b>Utilised Allocated/ Participation Amount (From Jan'20 to Jan'21)</b>	<b>Estimated Qty (From Feb'2021 to Jan'2022)</b>	<b>Allocated/ Participation Amount (From Feb'21 to Jan'22) Price Escalation for 2nd Year</b>	<b>Balance Qty (From Feb'22 to end of the Project)</b>	<b>Balance Allocated Amount (From Feb'22 to end of the Project)</b>	<b>Revised Total Allocated/ Participation Amount</b>
							<b>Rs.</b>	<b>Rs.</b>				<b>Rs.</b>		<b>Rs.</b>		<b>Rs.</b>	
<b>A</b>	<b>Remuneration</b>																
<b>1</b>	<b>Remuneration for Professional (Local Experts)</b>																
	<b>Name of the Expert</b>	<b>IE/LE</b>	<b>Position</b>														
1	Ramesh Senthil	Non Key / LE	Civil Engineer	72	M	72	4,35,750	3,13,74,000	1.03	4,48,822.50	11.48	50,02,410.00	12.00	53,85,870.00	48.52	2,11,42,590.00	3,15,30,870.00
2	N.Sreenivasulu Reddy	Non Key / LE	Construction Planner/ Cost Estimator	4	M	4	3,00,000	12,00,000	1.03	3,09,000.00	-	-	4.00	12,36,000.00	-	-	12,36,000.00
3	R. Muthurajan (Replaced for K.C. Vinod Chandra)	Non Key / LE	Quantity Surveyor - 1	50	M	50	3,00,000	1,50,00,000	1.03	3,09,000.00	3.26	9,78,000.00	12.00	37,08,000.00	34.74	1,04,22,000.00	1,51,08,000.00
<b>2</b>	<b>Supporting Staffs</b>																
	<b>Name of the Staff</b>	<b>IE/LE</b>															
1	B.Ajithkumar	LE	Secretary	70	M	70	52,290	36,60,300	1.03	53,858.70	2.90	1,51,641.00	12.00	6,46,304.40	55.10	28,81,179.00	36,79,124.40
2	Santosh Biswa	LE	Contract Management Specialist	6	M	6	4,35,750	26,14,500	1.03	4,48,822.50	4.35	18,95,512.50	1.65	7,40,557.13	-	-	26,36,069.63
3	P. Prashanthi	LE	Geo Technical Engineer	6	M	6	4,35,750	26,14,500	1.03	4,48,822.50	0.13	56,647.50	5.87	26,34,588.08	-	-	26,91,235.58
4	A.Renu Kumar	LE	Visa and Admin Officer	70	M	70	1,04,580	73,20,600	1.03	1,07,717.40	11.55	12,07,899.00	12.00	12,92,608.80	46.45	48,57,741.00	73,58,248.80
5	K Manikandan	LE	Accountant	70	M	70	69,720	48,80,400	1.03	71,811.60	10.15	7,07,658.00	12.00	8,61,739.20	47.85	33,36,102.00	49,05,499.20
6	Pilominraj Raja (Replaced for Mr.R.Jagan)	LE	Office Keeper -1	70	M	70	26,145	18,30,150	1.03	26,929.35	11.71	3,06,157.95	12.00	3,23,152.20	46.29	12,10,252.05	18,39,562.20
7	Thiruvengadam Someswaran (Replaced for Mr.G.Arjun)	LE	Office Keeper -2	70	M	70	26,145	18,30,150	1.03	26,929.35	11.71	3,06,157.95	12.00	3,23,152.20	46.29	12,10,252.05	18,39,562.20
	<b>Remuneration - Total Value</b>							<b>7,23,24,600</b>				<b>1,06,12,083.90</b>		<b>1,71,51,972.00</b>		<b>4,50,60,116.10</b>	<b>7,28,24,172.00</b>
<b>B</b>	<b>Direct Cost (Reimbursable Expenses)</b>																
<b>1</b>	<b>Transportation</b>																
	The vehicles provided by the Consultants shall include the cost for rental, drivers, operation, maintenance, repairs, insurance, etc.			454	M	170	50,000	85,00,000	1.03	51,500.00	12.00	4,74,863	12.00	6,18,000.00	146.00	73,00,000.00	85,18,000.00
<b>2</b>	<b>Duty Travel</b>																

Reference to schedule	Description of Work	Contract Quantity as per Agreement	Unit	Allocated Quantity	Cost per Month	Allocated/ Participation Amount	Price adj factor for 2nd Yr (From Feb' 21 to Jan'22)	Revised Cost (INR)	Utilised Qty (From Jan'2020 to Jan'2021)	Utilised Allocated/ Participation Amount (From Jan'20 to Jan'21)	Estimated Qty (From Feb'2021 to Jan'2022)	Allocated/ Participation Amount (From Feb'21 to Jan'22) Price Escalation for 2nd Year	Balance Qty (From Feb'22 to end of the Project)	Balance Allocated Amount (From Feb'22 to end of the Project)	Revised Total Allocated/ Participation Amount
					Rs.	Rs.				Rs.		Rs.		Rs.	Rs.
	<b>Local Air Travel</b>														
	Professional Staff	60	RT	10	20,000	2,00,000	1.03	20,600.00	2.00	40,000	8.00	1,64,800.00	-	-	2,04,800.00
	Sub Professional Staff	100	RT	80	10,000	8,00,000	1.03	10,300.00	3.00	30,000	12.00	1,23,600.00	65.00	6,50,000.00	8,03,600.00
<b>3</b>	<b>Office Rent</b>														
	The rent cost includes maintenance, cleaning, repairs, etc.,	77	M	77	1,00,000	77,00,000	1.03	1,03,000.00	12.40	12,40,000	12.00	12,36,000.00	52.60	52,60,000.00	77,36,000.00
<b>4</b>	<b>Office Supplies, Utilities and Communication</b>														
	Office Supplies	77	M	77	10,000	7,70,000	1.03	10,300.00	10.57	1,05,700	12.00	1,23,600.00	54.43	5,44,300.00	7,73,600.00
	Drafting Supplies	77	M	77	6,000	4,62,000	1.03	6,180.00	10.57	63,420	12.00	74,160.00	54.43	3,26,580.00	4,64,160.00
	Computer Running Costs	77	M	77	5,000	3,85,000	1.03	5,150.00	10.57	52,850	12.00	61,800.00	54.43	2,72,150.00	3,86,800.00
	Domestic Communication	77	M	77	15,000	11,55,000	1.03	15,450.00	10.57	1,58,550	12.00	1,85,400.00	54.43	8,16,450.00	11,60,400.00
<b>5</b>	<b>Office Furniture and Equipment</b>														
	<b>Office Furniture (Purchase)</b>														
	Work Station table & Chairs		LS			5,00,000	1.03	-	1.00	5,00,000					5,00,000.00
	Conference Hall Table & Chairs		LS			2,50,000	1.03	-	1.00	2,50,000					2,50,000.00
	Office Interiors		LS			10,00,000	1.03	-	1.00	10,00,000					10,00,000.00
	<b>Office Equipment (Purchase)</b>														
	Multipurpose Copy Machine	1	No.	1	2,00,000	2,00,000	1.03	-	1.00	2,00,000					2,00,000.00
	A0, A1, A2 Plotter	1	No.	1	5,00,000	5,00,000	1.03	-	1.00	5,00,000					5,00,000.00
	Laser Printers	1	No.	1	1,00,000	1,00,000	1.03	1,03,000.00	-	-	1.00	1,03,000.00			1,03,000.00
	Desktops/Laptops	15	No.	15	60,000	9,00,000	1.03	61,800.00	10.00	6,00,000	5.00	3,09,000.00			9,09,000.00
	Refrigerator, Coffee Vending Machine, Oven etc.,		LS			1,00,000	1.03	1,03,000.00	2.00	45,560		57,440.00			1,03,000.00
	Office Attendance Biometric Systems		LS			1,00,000	1.03	1,03,000.00	-	-		1,03,000.00			1,03,000.00
	Office Server		LS			10,00,000	1.03	-	1.00	10,00,000					10,00,000.00
	Projector	2	No.	2	25,000	50,000	1.03	-	2.00	50,000					50,000.00
	Video Conference with Display TVs	1	No.	1	3,00,000	3,00,000	1.03	-	1.00	3,00,000					3,00,000.00
<b>6</b>	<b>Reports and Document Prontings</b>														
	Monthly Progress Report	154	No.	154	6,000	9,24,000	1.03	6,180.00	11.00	66,000	12.00	74,160.00	131.00	7,86,000.00	9,26,160.00
	Design Reports	50	No.	50	10,000	5,00,000	1.03	10,300.00	1.00	10,000	12.00	1,23,600.00	37.00	3,70,000.00	5,03,600.00
<b>7</b>	<b>Survey</b>														
	Bathymetric Survey	1	No.	1	8,00,000	8,00,000	1.03	8,24,000.00	-	-	1.00	8,24,000.00			8,24,000.00
	Geotechnical Survey	50	No.	50	15,000	7,50,000	1.03	15,450.00	-	-	50.00	7,72,500.00			7,72,500.00
	Water Sample Testing	10	No.	10	45,000	4,50,000	1.03	46,350.00	-	-	10.00	4,63,500.00			4,63,500.00
	Topographical Survey	600	No. (Hec tare)	600	5,000	30,00,000	1.03	5,150.00	-	-	600.00	30,90,000.00			30,90,000.00
<b>8</b>	<b>Software</b>		LS			30,00,000	1.03	30,90,000	-	-	-	30,90,000.00			30,90,000.00
<b>9</b>	<b>Per Diem (Per Day) Allowance</b>														
	International	2250	No.	810	5,000	40,50,000	1.03	5,150.00	174.00	8,70,000.00	12.00	61,800.00	624.00	31,20,000.00	40,51,800.00
	National	50	No.	50	5,000	2,50,000	1.03	5,150.00	-	-	12.00	61,800.00	38.00	1,90,000.00	2,51,800.00
	<b>Reimbursable Expenses - Total Value</b>					<b>3,86,96,000</b>				<b>75,56,943.00</b>		<b>1,17,21,160.00</b>		<b>1,96,35,480.00</b>	<b>3,90,38,720.00</b>
	<b>Amount, Total</b>					<b>11,10,20,600</b>				<b>1,81,69,026.90</b>		<b>2,88,73,132.00</b>		<b>6,46,95,596.10</b>	<b>11,18,62,892.00</b>

Authorized Signatory

ABSTRACT FOR CLAIM OF PAYMENT TOWARDS PMC SERVICES															
<b>Name of Work</b> : “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”															
<b>Contract Number</b>				: CNT /CON /DESAL/ICB/GoI/016 /2018-19											
<b>Name of Project Management Consultant</b>				:											
				M/s.SMEC International Pty Limited, Australia in consortium with M/s.NJS Engineers India Pvt Ltd, Pune, M/s. Tata Consulting Engineers Ltd, Navi Mumbai, M/s.SMEC India Pvt Ltd, Haryana.											
				Bill claimed for M/s.SMEC India Pvt Ltd.,Haryana (Currency - INR)											
<b>Contract Value</b>				: Rs.124,22,37,929/- for PMC (INR 57,55,55,630.00 & USD 9,411,963)											
<b>Contract Period</b>				: 89 Months											
<b>Bill Number</b>				: Monthly Payment Bill - June'2021											
				Consumer Price Index as on January 2020 = 330											
<b>Price Escalation for Remuneration for 2nd year (From 01.02.2021 to 19.01.2022) &amp; Price Escalation for Reimbursable (From 01.02.2021 to 19.01.2022) ( as per GoI, Ministry of labour &amp; employment Labour Bureau, clause 5.2, pg-41)</b>				Consumer Price Index as on January 2021 = 118.2											
				: Linking Factor = 2.88											
				Price Adjustment Factor = 118.2 * 2.88 / 330 = 1.03											
<b>Date of Commencement of work</b>				: 20.01.2020											
<b>Date of Completion</b>				: Work in progress											
Reference to schedule	Description of Work			Contract Quantity	Unit	Quantity of Work done				Cost	Price adj factor for 2nd Yr (From Feb' 21 to Jan'22)	Revised Cost (INR)	per	Value of work done	
						Previous for 1st Year	Previous for Price Adj. Fac. 2nd Year (Feb'21 to May'21)	Since	Total	INR				Upto date Certificate	Since last Certificate
	Mobilization advance for PMC - Clause 6.5 (a) - (89 months including Defect Liability Period)														
	Mobilization Advance - 5% of INR 11,10,20,600								55,51,030.00					55,51,030.00	
	Reimbursement of 1% registration fee towards registration of consortium agreement								1,24,22,785.00					1,24,22,785.00	
A	Remuneration														
2	Remuneration for Professional (Local Experts)														
	Ramesh Senthil	Non key /LE	Civil Engineer	72	MM	11.48	3.77	0.95	16.21	4,35,750.00	1.03	4,48,822.50	Each	71,24,116.36	4,28,421.48
	Naisa Srinivasulu Reddy	Non key /LE	Construction Planner/Cost Estimator	4	MM	-	-	-	-	3,00,000.00	1.03	3,09,000.00	Each	-	-
	R. Muthurajan (Replaced for K.C. Vinod Chandra)	Non key /LE	Quantity Surveyor - 1	50	MM	3.26	3.86	1.00	8.12	3,00,000.00	1.03	3,09,000.00	Each	24,80,863.64	3,09,000.00
3	Supporting Staffs														
	B.Ajithkumar	Secretary		70	MM	2.90	3.86	0.95	7.72	52,290.00	1.03	53,858.70	Each	4,11,142.01	51,410.58
	Ms.P. Prashanthi	Geotechnical Enginee		6	MM	0.13	0.05	0.00	0.18	4,35,750.00	1.03	4,48,822.50	Each	77,048.52	-
	Mr. Santhosh Biswa	Contract Management Specialist		6	MM	4.35	1.14	0.09	5.58	4,35,750.00	1.03	4,48,822.50	Each	24,46,340.11	40,802.05
	Mr.A. Renu Kumar	Visa & Admin Officer		70	MM	11.55	3.64	1.00	16.19	1,04,580.00	1.03	1,07,717.40	Each	17,07,316.04	1,07,717.40
	Mr. K. Manikandan	Accountant		70	MM	10.15	3.23	0.95	14.33	69,720.00	1.03	71,811.60	Each	10,07,961.05	68,547.44
	Office boy - 1			70	MM	11.71	3.86	0.95	16.53	26,145.00	1.03	26,929.35	Each	4,35,908.45	25,705.29
	Office boy - 2			70	MM	11.71	3.86	1.00	16.57	26,145.00	1.03	26,929.35	Each	4,37,132.52	26,929.35
B	Direct Cost (Reimbursable Expenses)														
1	Transportation														
	The vehicles provided by the Consultants shall include the cost for rental, drivers, operation, maintenance, repairs, insurance, etc.			170	No	12.00	8.00	2.00	22.00	50,000.00	1.03	51,500.00	Each	8,89,056.15	75,531.42
2	Duty Travel														
	Local Air Travel														
	Professional Staff			10	No	2.00	2.00	-	4.00	20,000.00	1.03	20,600.00	Each	81,200.00	-
	Sub Professional Staff			80	No	3.00		-	3.00	10,000.00	1.03	10,300.00	Each	30,000.00	

Reference to schedule	Description of Work	Contract Quantity	Unit	Quantity of Work done				Cost	Price adj factor for 2nd Yr (From Feb' 21 to Jan'22)	Revised Cost (INR)	per	Value of work done	
				Previous for 1st Year	Previous for Price Adj. Fac. 2nd Year (Feb'21 to May'21)	Since	Total	INR				Upto date Certificate	Since last Certificate
												Rs	Rs
3	Office Rent												
	The rent cost includes maintenance, cleaning, repairs, etc.,	77	Months	12.40	4.00	1.00	17.40	1,00,000.00	1.03	1,03,000.00	Each	17,55,000.00	1,03,000.00
4	Office Supplies, Utilities and Communication												
	Office Supplies	77	No	10.57	4.00	1.00	15.57	10,000.00	1.03	10,300.00	Each	1,57,200.00	10,300.00
	Drafting Supplies	77	No	10.57	4.00	1.00	15.57	6,000.00	1.03	6,180.00	Each	94,320.00	6,180.00
	Computer Running Costs	77	No	10.57	4.00	1.00	15.57	5,000.00	1.03	5,150.00	Each	78,600.00	5,150.00
	Domestic Communication	77	No	10.57	4.00	1.00	15.57	15,000.00	1.03	15,450.00	Each	2,35,800.00	15,450.00
5	Office Furniture and Equipment												
	Office Furniture (Purchase)												
	Work Station table & Chairs	LS		1.00			1.00	5,00,000.00	-	-	LS	5,00,000.00	-
	Conference Hall Table & Chairs	LS		1.00			1.00	2,50,000.00	-	-	LS	2,50,000.00	-
	Office Interiors	LS		1.00			1.00	10,00,000.00	-	-	LS	10,00,000.00	-
	Office Equipment (Purchase)												
	Multipurpose Copy Machine	1	No	1.00			1.00	2,00,000.00	-	-	Each	2,00,000.00	-
	A0, A1, A2 Plotter	1	No	1.00			1.00	5,00,000.00	-	-	Each	5,00,000.00	-
	Laser Printers	1	No					1,00,000.00	1.03	1,03,000.00	Each	-	-
	Desktops/Laptops	15	No	10.00			10.00	60,000.00	1.03	61,800.00	Each	6,00,000.00	-
	Refrigerator, Coffee Vending Machine, Oven etc.,	LS		2.00			2.00	1,00,000.00	1.03	1,03,000.00	LS	45,560.00	-
	Office Attendance Biometric Systems	LS		1.00			-	1,00,000.00	1.03	1,03,000.00	LS	-	-
	Office Server	LS		1.00			1.00	10,00,000.00	-	-	LS	10,00,000.00	-
	Projector	2	No	2.00			2.00	25,000.00	-	-	Each	50,000.00	-
	Video Conference with Display TVs	1	No	1.00			1.00	3,00,000.00	-	-	Each	3,00,000.00	-
6	Reports and Document Printings												
	Monthly Progress Report	154	No	11.00	4.00	1.00	16.00	6,000.00	1.03	6,180.00	Each	96,900.00	6,180.00
	Design Reports	50	No	1.00			1.00	10,000.00	1.03	10,300.00	Each	10,000.00	-
7	Survey												
	Bathymetric Survey	1	No					8,00,000.00	1.03	8,24,000.00	Each	-	-
	Geotechnical Survey	50	No					15,000.00	1.03	15,450.00	Each	-	-
	Water Sample Testing	10	No					45,000.00	1.03	46,350.00	Each	-	-
	Topographical Survey	600	Km					5,000.00	1.03	5,150.00	Each	-	-
8	Software		LS	-	2.00	-	2.00	30,00,000.00	1.03	30,90,000.00	Each	24,12,581.00	-
9	Per Diem (Per Day) Allowance												
	International	810	No	174.00	166.00	30.00	370.00	5,000.00	1.03	5,150.00	Each	18,79,400.00	1,54,500.00
	National	50	No					5,000.00	1.03	5,150.00	Each	-	-
		Total									Rs.	4,62,67,260.86	14,34,825.00
	Amount to be paid												14,34,825.00
	(Rupees Fourteen Lakh Thirty Four Thousand Eight Hundred and Twenty Five Rupees Only)												

LOCAL EXPERTS AND SUPPORTING STAFF REMUNERATION EXPENSES								
Sl.No.	Name	Position	Total No. of Staff Months	Rate per Month (INR) (1st Year)	Revised Price adj Factor for 2nd year Rate per Month (INR)	Revised Total Allocation Amount in (INR)	Man Month Claimed for June'2021	Total Amount Claim for - June'2021 (INR)
<b>LOCAL EXPERTS - NON KEY EXPERTS</b>								
1	Ramesh Senthil	Civil Engineer	72	4,35,750	4,48,822.50	3,15,30,870.00	0.95	<b>4,28,421.48</b>
2	N Sreenivasulu Reddy	Construction Planner / Cost Estimator	4	3,00,000	3,09,000.00	12,36,000.00	-	-
3	R. Muthurajan (Replaced for K.C. Vinod Chandra)	Quantity Surveyor - 1	50	3,00,000	3,09,000.00	1,51,08,000.00	1.00	<b>3,09,000.00</b>
<b>SUPPORTING STAFF</b>								
1	B.Ajithkumar	Secretary	70	52,290	53,858.70	36,79,124.40	0.95	<b>51,410.58</b>
2	Santosh Biswa	Contract Management Specialist	6	4,35,750	4,48,822.50	26,36,069.63	0.09	<b>40,802.05</b>
3	P. Prashanthi	Geotechnical Engineer	6	4,35,750	4,48,822.50	26,91,235.58	-	-
4	A. Renu Kumar	Visa and Admin Officer	70	1,04,580	1,07,717.40	73,58,248.80	1.00	<b>1,07,717.40</b>
5	Manikandan.K	Accountant	70	69,720	71,811.60	49,05,499.20	0.95	<b>68,547.44</b>
6	Pilominraj Raja (Replaced for Mr.R.Jagan)	Office Keeper-1	70	26,145	26,929.35	18,39,562.20	0.95	<b>25,705.29</b>
7	Thiruvengadam Someswaran (Replaced for Mr.G.Arjun)	Office Keeper-2	70	26,145	26,929.35	18,39,562.20	1.00	<b>26,929.35</b>
						<b>7,28,24,172.00</b>		<b>10,58,533.58</b>



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**STAFF MAN MONTHS DETAILS - ABSTRACT**

Sr. No.	Name	Position	Total Staff Man Months	Man months claimed details																		Total Staff Man Months Utilised	Balance Man Months
LOCAL				Jan'20	Feb'20	Mar'20	Apr'20	May'20	June'20	July'20	Aug'20	Sep'20	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	Apr'21	May'21	Jun'21		
1	Ramesh Senthil	Civil Engineer	72	0.45	0.86	0.95	1.00	0.95	1.00	1.00	0.95	0.73	0.91	0.82	1.00	0.86	0.91	0.95	0.95	0.95	0.95	16.21	55.79
2	N Sreenivasulu Reddy	Construction Planner / Cost Estimator	4														-	-	-		-	4.00	
3	R. Muthurajan (Replaced for K.C. Vinod Chandra)	Quantity Surveyor - 1	50										0.36	0.95	1.00	0.95	0.91	1.00	1.00	0.95	1.00	8.12	41.88
Support Staff																							
1	B.Ajithkumar	Secretary	70										-	0.95	1.00	0.95	0.91	1.00	1.00	0.95	0.95	7.72	62.28
2	Santosh Biswa	Contract Management Specialist	6			0.14			0.68	0.45	0.45	0.41	0.68	0.50	0.50	0.54	0.45	0.45	0.23	-	0.09	5.58	0.42
3	P. Prashanthi	Geotechnical Engineer	6												0.13		0.05	-	-	-		0.18	5.82
4	A. Renu Kumar	Visa and Admin Officer	70	0.36	0.91	0.95	1.00	0.95	1.00	1.00	0.95	1.00	0.77	0.86	0.90	0.90	0.77	1.00	0.95	0.91	1.00	16.19	53.81
5	Manikandan.K	Accountant	70			0.77	1.00	0.95	1.00	1.00	0.95	0.91	0.95	0.86	0.95	0.81	0.86	0.45	0.95	0.95	0.95	14.33	55.67
6	Pilominraj Raja (Replaced for Mr.R.Jagan)	Office Boy -1	70	-	0.91	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	0.95	0.91	1.00	1.00	0.95	0.95	16.53	53.47
7	Thiruvengadam Someswaran (Replaced for Mr.G.Arjun)	Office Boy -2	70	-	0.91	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	0.95	0.91	1.00	1.00	0.95	1.00	16.57	53.43

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## ATTENDANCE SHEET - JUNE 2021

Sl. No.	Name	Position	1-Jun	2-Jun	3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun		Total No. of Working Days	Man month Claimed	
LOCAL EXPERTS - NON KEY EXPERTS			Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed				
1	Ramesh Senthil	Civil Engineer	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	L		21	0.95	
2	N Sreenivasulu Reddy	Construction Planner / Cost Estimator																																	0.00	
3	R. Muthurajan (Replaced for K.C. Vinod Chandra)	Quantity Surveyor - 1	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P				P	P	P		22	1.00
SUPPORTING STAFF																																				
1	B.Ajithkumar	Secretary	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P			L	P	P		21	0.95	
2	Santosh Biswa	Contract Management Specialist																								P	P							2	0.09	
3	P. Prashanthi	Geotechnical Engineer																																	0.00	
4	A. Renu Kumar	Visa and Admin Officer	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P		22	1.00	
5	Manikandan.K	Accountant	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	L		21	0.95	
6	Pilominraj Raja (Replaced for Mr.R.Jagan)	Office Keeper-1	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P				L	P	P		21	0.95
7	Thiruvengadam Someswaran (Replaced for Mr.G.Arjun)	Office Keeper-2	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P	P	P			P	P	P		22	1.00	

P - Present

PH- Public / CMWSSB Holidays



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REIMBURSABLE EXPENSES									
I-TRANSPORTATION (REIMBURSABLE)									
Sl. No.	Description	Unit	Currency	Quantity	Rate (Rs.) 1st Year	Revised Price adj Factor for 2nd year Rate per Month (USD)	Total Amount (INR)	Claim for the month of June'2021	Total Amount Currency (INR)
1	The vehicle provided by the Consultants shall include the cost for rental, drivers, operation, maintenance, repairs, insurance, etc.	No.	INR	170	50,000	51,500.00	85,18,000.00	2.00	75,531.42
	<b>Sub Total(I)</b>						<b>85,18,000.00</b>		
II-DUTY TRAVEL TO SITE (REIMBURSABLE)									
Sl. No.	Description	Unit	Currency	Quantity	Rate	Rev. Price Adj	Amount (INR)		
1	<b>Local Air Travel</b>								
	Professional Staff	Round Trip	INR	10	20,000	20,600.00	2,04,800.00	-	-
	Sub Professional Staff	Round Trip	INR	80	10,000	10,300.00	8,03,600.00	-	-
	<b>Sub Total(II)</b>						<b>10,08,400.00</b>		
III-OFFICE RENT (REIMBURSABLE)									
Sl. No.	Description	Unit	Currency	Months	Rate	Rev. Price Adj	Amount (INR)		
1	The Rent Cost Includes Maintenance, Cleaning, Repairs, etc.,		INR	77	1,00,000	1,03,000.00	77,36,000.00	1.00	1,03,000
	<b>Sub Total(III)</b>						<b>77,36,000.00</b>		
IV-OFFICE SUPPLIES, UTILITIES & COMMUNICATION (REIMBURSABLE)									
Sl. No.	Item	Unit	Currency	Months	Monthly Rate	Rev. Price Adj	Amount (INR)		
1	Office Supplies	No	INR	77	10,000	10,300.00	7,73,600.00	1.00	10,300
2	Drafting Supplies	No	INR	77	6,000	6,180.00	4,64,160.00	1.00	6,180
3	Computer Running Costs	No	INR	77	5,000	5,150.00	3,86,800.00	1.00	5,150
4	Domestic Communication	No	INR	77	15,000	15,450.00	11,60,400.00	1.00	15,450
	<b>Sub Total(IV)</b>						<b>27,84,960.00</b>		
V-OFFICE FURNITURE & EQUIPMENT (REIMBURSABLE)									
Sl. No.	Description	Unit	Currency	Qty	Rate	Rev. Price Adj	Amount (INR)		
	<b>Office Furniture (Purchase)</b>								
1	Work Station Table & Chairs	No.	INR	LS	-	-	5,00,000.00	-	-
2	Conference Hall Table & Chairs	No.	INR	LS	-	-	2,50,000.00	-	-
3	Office Interiors	No.	INR	LS	-	-	10,00,000.00	-	-
	<b>Sub Total (1+2+3)</b>						<b>17,50,000.00</b>		
	<b>Office Equipment (Purchase)</b>								
1	Multipurpose Copy Machine	No.	INR	1	2,00,000	-	2,00,000	-	-
	A0,A1,A2 Plotter	No.	INR	1	5,00,000	-	5,00,000	-	-
2	Laser Printers	No.	INR	1	1,00,000	1,03,000.00	1,03,000.00	-	-
3	Desktops/Laptops	No.	INR	15	60,000	61,800.00	9,09,000.00	-	-
4	Refrigerator, Coffee Vending Machine, Oven etc.	No.	INR	LS	1,00,000	1,03,000.00	1,03,000.00	-	-
5	Office Attendance Biometric Systems	No.	INR	LS	1,00,000	1,03,000.00	1,03,000.00	-	-
6	Office Server	No.	INR	LS	-	-	10,00,000.00	-	-
7	Projector	No.	INR	2	25,000	-	50,000.00	-	-
8	Video Conference with Display TVs	No.	INR	1	3,00,000	-	3,00,000.00	-	-
9	Softwares	No.	INR	LS	30,00,000	30,90,000.00	30,90,000.00	-	-
	<b>Sub Total (1+2+3+4+5+6+7+8+9)</b>						<b>63,58,000.00</b>		
	<b>Sub Total(V)</b>						<b>81,08,000.00</b>		
VI-PER DIEM (PER DAY) ALLOWANCE (REIMBURSABLE)									
1	International	No.	INR	810	5,000	5,150.00	40,51,800.00	30.00	1,54,500
2	National	No.	INR	50	5,000	5,150.00	2,51,800.00	-	-
	<b>Sub Total(VI)</b>						<b>43,03,600.00</b>		
VII-REPORTS & DOCUMENT PRINTING									
Sl. No.	Description	Unit	Currency	Quantity	Rate	Rev. Price Adj	Amount (INR)		
1	Monthly Progress Reports	No.	INR	154	6,000	6,180.00	9,26,160.00	1.00	6,180
2	Design Reports	No.	INR	50	10,000	10,300.00	5,03,600.00	-	-
	<b>Sub Total (VII)</b>						<b>14,29,760.00</b>		
VIII-SURVEYS & INVESTIGATIONS									
Sl. No.	Description	Unit	Currency	Quantity	Rate	Rev. Price Adj	Amount (INR)		
1	Bathymetry Survey	No.	INR	1	8,00,000	8,24,000.00	8,24,000.00	-	-
2	Geotechnical Survey	No.	INR	50	15,000	15,450.00	7,72,500.00	-	-
3	Water Sample Testing	No.	INR	10	45,000	46,350.00	4,63,500.00	-	-
4	Topographical Survey	No. (Hectare)	INR	600	5,000	5,150.00	30,90,000.00	-	-
	<b>Sub Total(VIII)</b>						<b>51,50,000.00</b>		
	<b>Total=Sub Total (I+II+III+IV+V+VI+VII+VIII)</b>						<b>3,90,38,720.00</b>		<b>3,76,291.42</b>

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<b>I-TRANSPORTATION (REIMBURSABLE)</b>		
<b>1. Vehicle Hired Details for the Month of May-2021</b>		
<b>Sr.No</b>	<b>Name of the Travels</b>	<b>Amount (INR)</b>
1	NFM Travels	75,531.42
	<b>Total INR</b>	<b>75,531.42</b>

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Invoice for the month of June'2021

III-OFFICE RENT (REIMBURSABLE) - FIXED		
1. The Rent Cost Includes Maintenance, Cleaning, Repairs, etc.,		
Sr.No	Name of the Party	For the Month of
1	Puravankara Primus	June'2021

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VIII-PER-DIEM ALLOWANCES-FIXED - MAY 2021						
International & National Key Staff						
Sl. No.	Name of the Staff	Description	Designation	Date of Arrival / Mobilization	Claimed Upto	No. of Days Claimed
1	Guilbert Z Gonzales	International	Electrical Engineer (Desal)	01-06-2021	30-06-2021	30
	Total No. of Days					30



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VII-REPORTS & DOCUMENT PRINTING		
Sr.No	Name of the Report	Submission Date
<b>1. Monthly Progress Report</b>		
i.	Monthly Progress Report -May'2021	10th June 2021
<b>2. Design Report</b>		



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REIMBURSABLE EXPENSES																											
I-TRANSPORTATION (REIMBURSABLE)																											
Sl.No.	Description	Unit	Currency	Qty	Rate	Amount (INR)	Invoice for Jan-20 (Qty)	Invoice for Feb-20 (Qty)	Invoice for Mar-20 (Qty)	Invoice for Apr-20 (Qty)	Invoice for May-20 (Qty)	Invoice for June-20 (Qty)	Invoice for July-20 (Qty)	Invoice for Aug-20 (Qty)	Invoice for Sep-20 (Qty)	Invoice for Oct-20 (Qty)	Invoice for Nov-20 (Qty)	Invoice for Dec-20 (Qty)	Invoice for Jan-21 (Qty)	Invoice for Feb-21 (Qty)	Invoice for Mar-21 (Qty)	Invoice for Apr-21 (Qty)	Invoice for May-21 (Qty)	Invoice for June-21 (Qty)	Total Claimed As on date (Qty)	Balance Quantity / Currency (INR)	
1	The vehicles provided by the Consultants shall include the cost for rental, drivers, operation, maintenance, repairs, insurance, etc.	No.	INR	170	50,000	85,00,000	1	1	1	-	1	1	1	1	1	1	1	1	1	2	2	2	2	2	22	148	
	Sub-Total(I)					85,00,000																					
II-DUTY TRAVEL TO SITE (REIMBURSABLE)																											
Sl.No.	Description	Unit	Currency	Quantity	Rate	Amount (INR)																					
1	Local Air Travel																										
	Professional Staff	Round Trip	INR	10	20,000	2,00,000	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-	-	-	4	6	
	Sub Professional Staff	Round Trip	INR	80	10,000	8,00,000	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	77	
	Sub-Total(II)					10,00,000																					
III-OFFICE RENT (REIMBURSABLE)																											
Sl.No.	Description	Unit	Currency	Months	Rate	Amount (INR)																					
1	The Rent Cost Includes Maintenance, Cleaning, Repairs, etc.,		INR	77	1,00,000	77,00,000	0.40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17.40	59.60	
	Sub-Total(III)					77,00,000																					
IV-OFFICE SUPPLIES, UTILITIES & COMMUNICATION (REIMBURSABLE)																											
Sl No	Item	Unit	Currency	Months	Monthly Rate	Amount (INR)																					
1	Office Supplies	No.	INR	77	10,000	7,70,000	0.40	1.00	1.00	-	0.57	0.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	15.57	61.43	
2	Drafting Supplies	No.	INR	77	6,000	4,62,000	0.40	1.00	1.00	-	0.57	0.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	15.57	61.43	
3	Computer Running Costs	No.	INR	77	5,000	3,85,000	0.40	1.00	1.00	-	0.57	0.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	15.57	61.43	
4	Domestic Communication	No.	INR	77	15,000	11,55,000	0.40	1.00	1.00	-	0.57	0.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	15.57	61.43	
	Sub-Total(IV)					27,72,000																					
V-OFFICE FURNITURE & EQUIPMENT (REIMBURSABLE)																											
Sl No	Description	Unit	Currency	Quantity	Rate	Amount (INR)																					
	Office Furniture (Purchase)																										
1	Work Station Table & Chairs	No	INR	LS	-	5,00,000	-	-	-	-	-	4,95,600	-	-	-	-	-	-	-	-	-	-	-	-	5,00,000	-	
2	Conference Hall Table & Chairs	No	INR	LS	-	2,50,000	-	-	-	-	-	-	2,50,000	-	-	-	-	-	-	-	-	-	-	-	2,50,000	-	
3	Office Interiors - Fixed	No	INR	LS	-	10,00,000	-	-	-	-	-	10,00,000	-	-	-	-	-	-	-	-	-	-	-	-	10,00,000	-	
	Office Equipment (Purchase)																										
1	Multipurpose Copy Machine	No.	INR	1	2,00,000	2,00,000	-	-	2,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,00,000	-	
	A0,A1,A2 Plotter	No.	INR	1	5,00,000	5,00,000	-	-	-	-	-	-	5,00,000	-	-	-	-	-	-	-	-	-	-	-	5,00,000	-	
2	Laser Printers	No.	INR	1	1,00,000	1,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,03,000	
3	Desktops/Laptops	No.	INR	15	60,000	9,00,000	3,00,000	-	-	-	-	-	-	-	-	-	3,00,000	-	-	-	-	-	-	-	6,00,000	3,09,000	
4	Refrigerator, Coffee Vending Machine, Oven etc.	No.	INR	LS	-	1,00,000	-	-	-	-	-	-	-	-	36,870	-	8,690	-	-	-	-	-	-	-	45,560	57,440	
5	Office Attendance Biometric Systems	No.	INR	LS	-	1,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,03,000	
6	Office Server	No.	INR	LS	-	10,00,000	-	-	10,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,00,000	-	
7	Projector	No.	INR	2	25,000	50,000	-	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,000	-	
8	Video Conference with Display TVs	No.	INR	1	3,00,000	3,00,000	-	-	3,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,00,000	-	
9	Softwares - Fixed	No.	INR	LS	-	30,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	12,32,581	11,80,000	-	-	-	24,12,581	6,77,419	
	Sub-Total(V)					80,00,000																					
VI-PER DIEM (PER DAY) ALLOWANCE (REIMBURSABLE)																											
Sl No	Description	Unit	Currency	Quantity	Rate	Amount (INR)																					
1	International	No.	INR	810	5,000	40,50,000	36	70	32	-	-	-	-	-	-	19	-	-	17	65	41	30	30	30	370	440	
2	National	No.	INR	50	5,000	2,50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	
	Sub-Total(VI)					43,00,000																					
VII-REPORTS & DOCUMENT PRINTING																											
Sl No	Description	Unit	Currency	Quantity	Rate	Amount (INR)																					
1	Monthly Progress Reports	No.	INR	154	6,000	9,24,000	-	-	2	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	138	
2	Design Reports	No.	INR	50	10,000	5,00,000	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	49	
	Sub-Total(VII)					14,24,000																					



Sl.No.	Description	Unit	Currency	Qty	Rate	Amount (INR)	Invoice for Jan-20 (Qty)	Invoice for Feb-20 (Qty)	Invoice for Mar-20 (Qty)	Invoice for Apr-20 (Qty)	Invoice for May-20 (Qty)	Invoice for June-20 (Qty)	Invoice for July-20 (Qty)	Invoice for Aug-20 (Qty)	Invoice for Sep-20 (Qty)	Invoice for Oct-20 (Qty)	Invoice for Nov-20 (Qty)	Invoice for Dec-20 (Qty)	Invoice for Jan-21 (Qty)	Invoice for Feb-21 (Qty)	Invoice for Mar-21 (Qty)	Invoice for Apr-21 (Qty)	Invoice for May-21 (Qty)	Invoice for June-21 (Qty)	Total Claimed As on date (Qty)	Balance Quantity / Currency (INR)
VIII-SURVEYS & INVESTIGATIONS																										
Sl No	Description	Unit	Currency	Quantity	Rate	Amount (INR)																				
1	Bathymetric Survey	No.	INR	1	8,00,000	8,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2	Geo-Technical Survey	No.	INR	50	15,000	7,50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
3	Water Sample Testing	No.	INR	10	45,000	4,50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
4	Topographical Survey	No. (Hectare)	INR	600	5,000	30,00,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	600
	Sub-Total(VIII)					50,00,000																				
	Total=Sub Total (I+II+III+IV+V+VI+VII+VIII)					3,86,96,000																				

Authorized Signatory

## Consortium Partners

SMEC International Pty. Ltd. (ACN-065440619/FCRN-F01483)

NJS Engineers India Pvt Ltd, India (CIN - U74210PN2007PTC129798)

Tata Consulting Engineers Limited, India (CIN- U74210MH1999PLC123010)

SMEC (India) Pvt. Ltd. (CIN: U93000DL1997PTC088574)



Ref: SSNT PMC 400 MLD/ CMWSSB / 5061185/294

Date: 04<sup>th</sup> March 2021

To,  
**The Superintending Engineer (Desalination),**  
 Chennai Metropolitan Water Supply and Sewerage Board,  
 Urban Administrative Building, 2<sup>nd</sup> Floor, No.75, Santhome High Road,  
 MRC Nagar, Raja Annamalaipuram, Chennai 600 028 Tamil Nadu, India



**Sub:** 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 (JICA Loan ID-P267)"  
**Submission of Price Adjustment for Local and Foreign Currency for Remuneration and Reimbursable expenses as per Special Condition of Contract Agreement Clause 6.2(c) – Reg.**

**Ref:** 1. Our Letter no. Ref: SMEC/ CMWSSB / 7061563/005, dated 20.01.2020  
 2. Your Letter no. Lr.no.CMWSSB/SE(Desal)/400 MLD Plant / PMC/2020, dated 13.01.2020  
 3. Our Contract Agreement with CMWSSB, dated 09.01.2020  
 4. Our Letter no. Ref : 1600991/LOA/07, dated 08.11.2019  
 5. Your Letter no. Lr.no.CMWSSB /CNT/CON/DESAL/ICB/Gol/016/2018-19, dated 06.11.2019

Dear Sir,

We wish to bring to your kind notice that the Project Management Consultancy (PMC) assignment commenced our services on 20.01.2020 and we have successfully completed 12 months period for the subject project. As per our Contract Agreement vide our letter cited in reference no.3, dated 09.01.2020, the Special Conditions of Contract, Clause 6.2 (c) (Page no. 41 and 42), states that the contract price will be adjusted every 12<sup>th</sup> months (and, for the first time, with effect for the remuneration earned in the 13<sup>th</sup> calendar month after the date of the Contract) as per Consumer Price Index for Industrial Works (CPI-IW) Labour Bureau, Govt. of India for Local Currency and for Foreign Currency as per the Bureau of Labour Statistics US Department of Labour.

In this regard, we are submitting herewith the methodology (as per Contract) for calculation of price adjustments for your kind approval.

**1. Adjustment of Remuneration****A) Local Currency**

$$R_f = R_{f0} \times (I_f / I_{f0})$$

where:

 $R_f$  is the adjusted remuneration; $R_{f0}$  is the remuneration payable on the basis of the rates set forth in Appendix D for remuneration payable in local currency; $I_f$  is the relevant index salaries in the Client's country for the first month for which the adjustment is to have effect; and $I_{f0}$  is the official index for salaries in the Client's country for the month of the date of the contract**PMC Chennai Office Address:**

13th Floor, Purva Primus, No 236, Okhiyampettai, Old Mahabalipuram  
 Road, Thoraipakkam, Chennai, Tamil Nadu 600097

+91 044 66973300 | [indiabd@smec.com](mailto:indiabd@smec.com) | [www.smec.com](http://www.smec.com)

## PMC for 400 MLD SWRO Desalination Plant at Perur, Chennai

### Consortium Partners

SMEC International Pty. Ltd. (ACN-065440619/FCRN-F01483)

NJS Engineers India Pvt Ltd, India (CIN - U74210PN2007PTC129798)

Tata Consulting Engineers Limited, India (CIN- U74210MH1999PLC123010)

SMEC (India) Pvt. Ltd. (CIN: U93000DL1997PTC088574)



$I_f$  (13<sup>th</sup> Calendar Month) = General Index Number **118.2 (Jan'2021)** as per All India Average Consumer Price Index Number for Industrial Workers (Base 2016-100)

$I_{f0}$  (1<sup>st</sup> Calendar Month) = General Index Number **330 (Jan'2020)** as per All India Average Consumer Price Index Number for Industrial Workers (Base 2001-100). Linking factor is **2.88** as per "Report on New Series of Consumer Price Index for Industrial Workers (CPI-IW) (Base 2016 = 100)".

Hence,  $I_{f0} = (330/2.88) = 114.58$

Therefore,  $I_f / I_{f0} = (118.2/114.58) = 1.03$

### B) Foreign Currency

$$R_f = R_{f0} \times (I_f / I_{f0})$$

where:

$R_f$  is the adjusted remuneration;

$R_{f0}$  is the remuneration payable on the basis of the rates set forth in Appendix D for remuneration payable in foreign currency;

$I_f$  is the official index for salaries in the country of the foreign currency for the first month for which the adjustment is supposed to have effect; and

$I_{f0}$  is the official index for salaries in the country of the foreign currency for the month of the date of the contract

$I_f$  (13<sup>th</sup> Calendar Month) = Official Index Number **140.2 (December'2020)** as per the Bureau for labour statistics US Department of Labour (December'2020 index is taken because the indices are released on quarterly basis. The next indices will be released in March 2021)

$I_{f0}$  (1<sup>st</sup> Calendar Month) = Official Index Number **137.5 (December'2019)** as per the Bureau for labour statistics US Department of Labour (December'2019 index is taken because the indices are released on quarterly basis) (**Same data applicable as on signing of Contract on 09.01.2020**).

Hence,  $I_f / I_{f0} = [140.2 / 137.5] = 1.02$

## 2. Adjustment of reimbursable expenses

$$P = P_0 \times (I/I_0)$$

where:

$P$  is the adjusted reimbursable expenses;

$P_0$  is the reimbursable expenses payable on the basis of the rates set forth in Appendix E for reimbursable expenses;

$I$  is the relevant official index in the country of the currency for the first month for which the adjustment is to have effect, and

$I_0$  is the relevant official index in the country of the currency for the month of the date of the contract

### PMC Chennai Office Address:

13th Floor, Purva Primus, No 236, Okhiampettai, Old Mahabalipuram Road, Thoraiakkam, Chennai, Tamil Nadu 600097

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## PMC for 400 MLD SWRO Desalination Plant at Perur, Chennai

### Consortium Partners

SMEC International Pty. Ltd. (ACN-065440619/FCRN-F01483)

NJS Engineers India Pvt Ltd, India (CIN - U74210PN2007PTC129798)

Tata Consulting Engineers Limited, India (CIN- U74210MH1999PLC123010)

SMEC (India) Pvt. Ltd. (CIN: U93000DL1997PTC088574)



#### A) Local Currency

$I$  = Relevant Official Index Number **118.2 (Jan'2021)** as per All India Average Consumer Price Index Number for Industrial Workers (Base 2016-100)

$I_0$  = Relevant Official Index Number **330 (Jan'2020)** as per All India Average Consumer Price Index Number for Industrial Workers (Base 2001-100). Linking factor is **2.88** as per "Report on New Series of Consumer Price Index for Industrial Workers (CPI-IW) (Base 2016 = 100)".

Hence,  $I_0 = 330/2.88 = 114.58$

Therefore,  $I_f / I_0 = 118.2/114.58 = 1.03$

#### B) Foreign Currency

$I$  = Relevant Official Index Number **140.2 (December'2020)** as per the Bureau for labour statistics US Department of Labour (December'2020 index is taken because the indices are released on quarterly basis. The next indices will be released in March'2021)

$I_0$  = Relevant Official Index Number **137.5 (December'2019)** as per the Bureau for labour statistics US Department of Labour (December'2019 index is taken because the indices are released on quarterly basis) **(Same data applicable as on signing of Contract on 09.01.2020).**

Hence,  $I / I_0 = [140.2 / 137.5] = 1.02$

We request you to kindly provide your approval for the price adjustment with effect from 01<sup>st</sup> February 2021, the 13<sup>th</sup> month, for above subject project.

Thanking you and assuring our services at all times.

Yours truly,

For Consortium of SMEC International Pty Ltd -TCE Ltd.-NJS Engineers India Ltd.-SMEC (India) Pvt. Ltd.

**S.Srinivasarao**  
Project Coordinator



Encl.:

1. Annexure 1 : All India Average Consumer Price Index Numbers for Industrial Workers (Base 2016=100 & Base 2001=100) released by Govt. of India, Ministry of Labour & Employment Labour Bureau
2. Annexure 2 : Report on New Series of Consumer Price Index for Industrial Workers (CPI-IW) (Base 2016=100) : Linking Factor released by Govt. of India, Ministry of Labour & Employment Labour Bureau
3. Annexure 3 : Table 5: Employment Cost Index for private industry workers as per US Bureau of Labour Statistics for December 2019
4. Annexure 4 : Table 5: Employment Cost Index for private industry workers as per US Bureau of Labour Statistics for December 2020

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You are here : Home >> Index Number >> CPI (IW) Base 2001=100, Base 2016=100 >> All India General Index

Public Documents

Schemes

Index Number

EUS/QES

Indian Labour Journal

Publications/Reports

Training

CPI(IW) New Series

Budget Estimates

Index Numbers - Archived

Employees Corner

Data Dissemination

### All India General Index

#### All-India Average Consumer Price Index Numbers for Industrial Workers

(Base 2016=100)

Item	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	June 2021	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Average
General Index	118.2	-											

#### All-India Average Consumer Price Index Numbers for Industrial Workers

(Base 2016=100)

Item	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Average
General Index	-	-	-	-	-	-	-	-	118.1	119.5	119.9	118.8	

#### All-India Average Consumer Price Index Numbers for Industrial Workers

(Base 2001=100)

Item	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Average
General Index	330	328	326	329	330	332	336	338					

#### All-India Average Consumer Price Index Numbers for Industrial Workers



सत्यमेव जयते

**Report on  
New Series of Consumer Price Index  
for Industrial Workers (CPI-IW)  
(Base 2016 = 100)**



(Since 1920)

**Government of India  
Ministry of Labour & Employment  
Labour Bureau**





The group level weights under new series (2016=100) and existing series of CPI-IW (2001=100) are depicted in above charts. It may be observed that the weight of Food & Beverages (earlier Food group) is declining whereas the weight of Miscellaneous group is rising under CPI-IW (2016=100) vis-à-vis CPI-IW (2001=100).

#### 5.2. Linking Factor:

On the introduction of revised series, it is essential to provide a linking factor between the old series and the revised series so that the new series, when released, may be compared with the outgoing one. Under the 'Arithmetic Conversion method' the linking factor or conversion factor of the two series is worked out by taking the ratio of the averages of old series indices to the new series indices. This method had been adopted for linking 1982 series with 2001 series. Following this approach, the linking factor has been derived by taking the ratio of average of monthly indices of old series to new series for the period of 12 months (from September 2019 to August 2020). The linking factor of new series 2016=100 to old series of CPI-IW (2001=100) is 2.88. The linking factor of the centres common between both series ranges from 2.38 of Doom-Dooma Tinsukia to 3.60 of Nagpur (Annexure IX).

\*\*\*\*\*

Occupational group and industry	Indexes (Dec. 2005=100)			Percent changes for					
	Mar. 2019	Dec. 2019	Mar. 2020	3-months ended-			12-months ended-		
				Mar. 2019	Dec. 2019	Mar. 2020	Mar. 2019	Dec. 2019	Mar. 2020
<b>Industry</b>									
Goods-producing industries <sup>(4)</sup>	133.1	135.8	136.7	0.9	0.4	0.7	2.5	3.0	2.7
Manufacturing	132.9	135.3	136.2	1.0	0.6	0.7	2.2	2.8	2.5
Service-providing industries <sup>(5)</sup>	136.7	139.2	140.6	0.8	0.4	1.0	2.9	2.7	2.9
Education and health services	135.8	138.7	139.5	0.4	0.5	0.6	2.6	2.6	2.7
Educational services	136.2	139.4	140.1	0.4	0.4	0.5	2.7	2.7	2.9
Elementary and secondary schools	136.3	139.6	140.2	0.4	0.4	0.4	2.9	2.8	2.9
Junior colleges, colleges, universities, and professional schools	136.3	139.3	139.9	0.4	0.5	0.4	2.6	2.7	2.6
Health care and social assistance	135.5	137.9	139.0	0.6	0.5	0.8	2.6	2.4	2.6
Hospitals	135.9	138.5	139.4	0.7	0.7	0.6	2.6	2.6	2.6
Nursing and residential care facilities	132.3	134.5	135.6	0.5	0.4	0.8	2.5	2.2	2.5
Public administration	140.4	143.4	144.6	0.9	0.6	0.8	3.1	3.0	3.0
<b>Footnotes</b>									
(1) Includes wages, salaries, and employer costs for employee benefits.									
(2) Includes workers in the private nonfarm economy except those in private households, and workers in the public sector, except the federal government.									
(3) The index for this series is not strictly comparable with other series in this table.									
(4) Includes mining, construction, and manufacturing.									
(5) Includes the following industries: wholesale trade; retail trade; transportation and warehousing; utilities; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; other services, except public administration; and public administration.									
SOURCE: U.S. Bureau of Labor Statistics, National Compensation Survey									

**Table 5. Employment Cost Index for total compensation<sup>(1)</sup>, for private industry workers, by occupational group and industry**  
(Not seasonally adjusted)

Occupational group and industry	Indexes (Dec. 2005=100)			Percent changes for					
	Mar. 2019	Dec. 2019	Mar. 2020	3-months ended-			12-months ended-		
				Mar. 2019	Dec. 2019	Mar. 2020	Mar. 2019	Dec. 2019	Mar. 2020
<b>All workers</b>	135.6	138.0	139.4	0.9	0.4	1.0	2.8	2.7	2.8
Excluding incentive paid occupations <sup>(2)</sup>	135.7	138.1	139.4	0.9	0.4	0.9	2.6	2.7	2.7
<b>Occupational group</b>									
Management, professional, and related	134.8	136.8	138.0	0.7	0.3	0.9	2.3	2.2	2.4
Excluding incentive paid occupations <sup>(2)</sup>	134.1	136.1	137.3	0.8	0.3	0.9	2.2	2.3	2.4
Management, business, and financial	136.2	138.4	139.5	0.7	0.2	0.8	2.3	2.4	2.4
Excluding incentive paid occupations <sup>(2)</sup>	135.3	137.4	138.5	0.8	0.2	0.8	2.1	2.4	2.4
Professional and related	133.7	135.6	136.8	0.7	0.4	0.9	2.2	2.1	2.3
Sales and office	136.4	138.8	140.6	1.0	0.3	1.3	3.3	2.8	3.1
Excluding incentive paid occupations <sup>(2)</sup>	138.5	140.9	142.3	1.0	0.4	1.0	3.3	2.8	2.7
Sales and related	132.0	134.5	136.8	0.9	0.2	1.7	3.4	2.8	3.6
Excluding incentive paid occupations <sup>(2)</sup>	136.7	139.0	140.4	1.1	0.4	1.0	3.3	2.8	2.7
Office and administrative support	139.5	141.9	143.3	1.1	0.4	1.0	3.3	2.8	2.7
Natural resources, construction, and maintenance	135.3	137.9	139.3	0.6	0.4	1.0	2.7	2.5	3.0
Construction, extraction, farming, fishing, and forestry occupations	135.5	138.6	140.2	0.8	0.5	1.2	2.5	3.1	3.5
Installation, maintenance, and repair	135.1	137.3	138.2	0.4	0.4	0.7	2.9	2.0	2.3
Production, transportation, and material moving	136.4	139.2	140.6	1.3	0.8	1.0	2.9	3.3	3.1
Excluding incentive paid occupations <sup>(2)</sup>	136.1	139.0	140.3	1.0	0.7	0.9	2.6	3.2	3.1
Production	133.5	136.0	137.2	0.9	0.7	0.9	2.5	2.8	2.8
Excluding incentive paid occupations <sup>(2)</sup>	133.9	136.4	137.6	1.0	0.7	0.9	2.6	2.9	2.8
Transportation and material moving	140.1	143.2	144.8	1.7	0.8	1.1	3.5	3.9	3.4
Service occupations	137.2	140.6	142.2	1.2	1.0	1.1	3.4	3.7	3.6
<b>Industry and occupational group</b>									
Goods-producing industries <sup>(3)</sup>	133.1	135.8	136.7	0.9	0.5	0.7	2.5	3.0	2.7
Excluding incentive paid occupations <sup>(2)</sup>	133.4	135.9	137.0	0.9	0.4	0.8	2.4	2.8	2.7
Management, professional, and related	131.4	133.3	134.4	1.1	0.3	0.8	2.1	2.5	2.3
Sales and office	135.2	139.9	137.2	0.7	0.7	-1.9	3.7	4.2	1.5
Natural resources, construction, and maintenance	134.7	137.8	139.3	0.7	0.4	1.1	2.4	3.0	3.4
Production, transportation, and material moving	132.5	135.2	136.4	1.0	0.7	0.9	2.3	3.0	2.9
Construction	133.4	137.0	137.6	0.8	0.4	0.4	2.9	3.5	3.1
Manufacturing	132.9	135.3	136.2	1.0	0.6	0.7	2.2	2.8	2.5
Management, professional, and related	132.6	134.4	135.4	1.1	0.4	0.7	2.0	2.5	2.1
Sales and office occupations	136.8	139.9	139.6	1.0	0.8	-0.2	3.3	3.3	2.0
Natural resources, construction, and maintenance	132.8	135.2	136.4	0.5	0.4	0.9	1.5	2.3	2.7
Production, transportation, and material moving	132.2	134.9	136.0	1.1	0.7	0.8	2.3	3.1	2.9
Aircraft manufacturing	122.1	122.3	120.7	1.5	-0.1	-1.3	-7.6	1.7	-1.1
Service-providing industries <sup>(4)</sup>	136.3	138.7	140.2	0.8	0.4	1.1	2.8	2.6	2.9

**Footnotes**

(1) Includes wages, salaries, and employer costs for employee benefits.

(2) The index for this series is not strictly comparable with other series in this table.

(3) Includes mining, construction, and manufacturing.

(4) Includes the following industries: wholesale trade; retail trade; transportation and warehousing; utilities; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; and other services, except public administration.

SOURCE: U.S. Bureau of Labor Statistics, National Compensation Survey



Occupational group and industry	Indexes (Dec. 2005=100)			Percent changes for					
	Mar. 2019	Dec. 2019	Mar. 2020	3-months ended-			12-months ended-		
				Mar. 2019	Dec. 2019	Mar. 2020	Mar. 2019	Dec. 2019	Mar. 2020
Excluding incentive paid occupations(2)	136.5	138.8	140.2	0.9	0.4	1.0	2.7	2.6	2.7
Management, professional, and related	135.4	137.5	138.6	0.6	0.3	0.8	2.3	2.2	2.4
Sales and office	136.5	138.7	141.0	1.0	0.2	1.7	3.3	2.7	3.3
Natural resources, construction, and maintenance	136.2	138.2	139.3	0.5	0.6	0.8	3.2	2.0	2.3
Production, transportation, and material moving	140.9	143.8	145.3	1.6	0.8	1.0	3.7	3.7	3.1
Service occupations	137.2	140.6	142.1	1.2	1.0	1.1	3.5	3.7	3.6
Trade, transportation, and utilities	138.4	140.7	142.2	1.2	0.4	1.1	3.3	2.9	2.7
Excluding incentive paid occupations(2)	138.7	141.4	142.9	1.0	0.5	1.1	3.1	3.0	3.0
Wholesale trade	134.2	134.9	136.6	0.9	0.1	1.3	3.2	1.4	1.8
Excluding incentive paid occupations(2)	136.6	139.0	140.3	0.9	0.6	0.9	2.7	2.7	2.7
Retail trade	138.6	141.7	142.9	0.9	0.6	0.8	3.2	3.2	3.1
Excluding incentive paid occupations(2)	137.7	140.2	141.8	1.1	0.5	1.1	3.6	2.9	3.0
Transportation and warehousing	141.5	144.8	146.5	1.6	0.7	1.2	3.4	3.9	3.5
Utilities	148.5	150.4	151.8	2.4	0.3	0.9	3.5	3.7	2.2
Information	135.6	135.7	137.1	1.0	0.3	1.0	4.8	1.0	1.1
Financial activities	135.6	138.2	139.4	1.0	0.1	0.9	2.7	3.0	2.8
Excluding incentive paid occupations(2)	136.4	138.4	139.6	1.2	0.3	0.9	2.9	2.7	2.3
Finance and insurance	135.9	138.6	140.0	1.0	0.1	1.0	2.8	3.0	3.0
Credit intermediation and related activities	134.2	137.1	138.4	1.3	0.1	0.9	2.8	3.5	3.1
Excluding incentive paid	138.8	141.0	142.5	1.4	0.1	1.1	3.0	3.0	2.7
Insurance carriers and related activities	137.8	139.6	140.6	1.5	0.0	0.7	2.8	2.9	2.0
Excluding incentive paid occupations(2)	136.9	138.8	139.9	1.3	0.3	0.8	2.9	2.7	2.2
Real estate and rental and leasing	134.5	136.3	137.0	1.1	0.3	0.5	2.8	2.4	1.9
Excluding incentive paid occupations(2)	138.1	140.1	140.9	1.0	0.5	0.6	3.1	2.5	2.0
Professional and business services	136.3	138.7	140.7	0.8	0.3	1.4	2.3	2.6	3.2
Professional, scientific, and technical services	138.6	140.5	143.2	0.8	0.1	1.9	2.0	2.2	3.3
Administrative and support and waste management and remediation services	133.1	135.8	137.3	0.8	0.6	1.1	2.9	2.9	3.2
Education and health services	134.7	137.2	138.3	0.4	0.4	0.8	2.5	2.3	2.7
Educational services	134.6	137.6	138.6	0.1	0.2	0.7	2.4	2.4	3.0
Junior colleges, colleges, universities, and professional schools	136.8	139.5	140.4	0.4	0.4	0.6	2.9	2.4	2.6
Health care and social assistance	134.8	137.1	138.3	0.5	0.5	0.9	2.6	2.2	2.6
Hospitals	135.5	138.0	138.8	0.6	0.7	0.6	2.6	2.4	2.4
Nursing and residential care facilities	130.7	132.8	133.8	0.6	0.5	0.8	2.4	2.2	2.4
Nursing care facilities(2)	130.2	132.1	133.1	0.4	0.5	0.8	2.4	1.9	2.2
Leisure and hospitality	137.0	140.0	141.9	1.0	1.2	1.4	3.3	3.2	3.6
Accommodations and food service	138.0	141.6	143.7	1.2	1.1	1.5	3.4	3.9	4.1
Other services, except public administration	136.6	139.2	140.4	1.2	0.9	0.9	2.8	3.1	2.8

#### Footnotes

(1) Includes wages, salaries, and employer costs for employee benefits.

(2) The index for this series is not strictly comparable with other series in this table.

(3) Includes mining, construction, and manufacturing.

(4) Includes the following industries: wholesale trade; retail trade; transportation and warehousing; utilities; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; and other services, except public administration.

SOURCE: U.S. Bureau of Labor Statistics, National Compensation Survey

**Table 6. Employment Cost Index for total compensation<sup>(1)</sup>, for private industry workers, by bargaining status and Census region and division**

[Not seasonally adjusted]

Bargaining status and Census region and division	Indexes (Dec. 2005=100)			Percent changes for					
	Mar. 2019	Dec. 2019	Mar. 2020	3-months ended-			12-months ended-		
				Mar. 2019	Dec. 2019	Mar. 2020	Mar. 2019	Dec. 2019	Mar. 2020
<b>Bargaining status</b>									
Union	140.0	142.3	143.1	0.9	0.6	0.6	3.4	2.5	2.2
Goods-producing industries(2)	134.1	137.0	137.6	0.7	0.5	0.4	1.4	2.9	2.6
Manufacturing	127.7	129.8	130.5	0.6	0.5	0.5	-0.1	2.3	2.2
Service-providing industries(3)	144.1	146.2	147.2	0.9	0.7	0.7	4.3	2.4	2.2
Nonunion	134.9	137.3	138.8	0.9	0.4	1.1	2.7	2.7	2.9
Goods-producing industries(2)	132.6	135.4	136.3	0.9	0.5	0.7	2.6	3.0	2.8
Manufacturing	134.2	136.6	137.6	1.1	0.6	0.7	2.7	2.9	2.5

#### Footnotes

(1) Includes wages, salaries, and employer costs for employee benefits.

(2) Includes mining, construction, and manufacturing.

(3) Includes the following industries: wholesale trade; retail trade; transportation and warehousing; utilities; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; and other services, except public administration.

(4) The Census divisions are defined as follows: New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont; Middle Atlantic: New Jersey, New York, and Pennsylvania; South Atlantic: Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia; East South Central: Alabama, Kentucky, Mississippi, and Tennessee; West South Central: Arkansas, Louisiana, Oklahoma, and Texas; East North Central: Illinois, Indiana, Michigan, Ohio, and Wisconsin; West North Central: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota; Mountain: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming; and Pacific: Alaska, California, Hawaii, Oregon, and Washington.

NOTE: The indexes for these series are not strictly comparable to those for the aggregate, occupation, and industry series.

SOURCE: U.S. Bureau of Labor Statistics, National Compensation Survey



## Economic News Release

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**Table 5. Compensation (not seasonally adjusted): Employment Cost Index for total compensation, for private industry workers, by occupational group and industry****Table 5. Employment Cost Index for total compensation<sup>(1)</sup>, for private industry workers, by occupational group and industry**  
(Not seasonally adjusted)

Occupational group and industry	Indexes (Dec. 2005=100)			Percent changes for					
	Dec. 2019	Sep. 2020	Dec. 2020	3-months ended-			12-months ended-		
	Dec. 2019	Sep. 2020	Dec. 2020	Dec. 2019	Sep. 2020	Dec. 2020	Dec. 2019	Sep. 2020	Dec. 2020
<b>All workers</b>	138.0	140.7	141.6	0.4	0.4	0.6	2.7	2.4	2.6
Excluding incentive paid occupations <sup>(2)</sup>	138.1	140.8	141.6	0.4	0.5	0.6	2.7	2.4	2.5
<b>Occupational group</b>									
Management, professional, and related	136.8	139.0	139.5	0.3	0.4	0.4	2.2	1.9	2.0
Excluding incentive paid occupations <sup>(2)</sup>	136.1	138.3	138.8	0.3	0.5	0.4	2.3	1.9	2.0
Management, business, and financial	138.4	140.7	141.0	0.2	0.4	0.2	2.4	1.9	1.9
Excluding incentive paid occupations <sup>(2)</sup>	137.4	139.5	139.9	0.2	0.3	0.3	2.4	1.8	1.8
Professional and related	135.6	137.8	138.4	0.4	0.6	0.4	2.1	2.0	2.1
Sales and office	138.8	141.9	143.2	0.3	0.3	0.9	2.8	2.5	3.2
Excluding incentive paid occupations <sup>(2)</sup>	140.9	143.9	145.0	0.4	0.4	0.8	2.8	2.5	2.9
Sales and related	134.5	137.8	139.6	0.2	0.1	1.3	2.8	2.7	3.8
Excluding incentive paid occupations <sup>(2)</sup>	139.0	142.2	143.9	0.4	0.3	1.2	2.8	2.7	3.5
Office and administrative support	141.9	144.8	145.6	0.4	0.5	0.6	2.8	2.4	2.6
Natural resources, construction, and maintenance	137.9	140.6	141.3	0.4	0.5	0.5	2.5	2.4	2.5
Construction, extraction, farming, fishing, and forestry occupations	138.6	140.4	141.2	0.5	0.4	0.6	3.1	1.8	1.9
Installation, maintenance, and repair	137.3	140.8	141.4	0.4	0.6	0.4	2.0	3.0	3.0
Production, transportation, and material moving	139.2	142.7	143.8	0.8	0.7	0.8	3.3	3.3	3.3
Excluding incentive paid occupations <sup>(2)</sup>	139.0	142.5	143.6	0.7	0.8	0.8	3.2	3.3	3.3
Production	136.0	139.3	140.3	0.7	0.6	0.7	2.8	3.1	3.2
Excluding incentive paid occupations <sup>(2)</sup>	136.4	139.8	140.8	0.7	0.6	0.7	2.9	3.2	3.2
Transportation and material moving	143.2	146.9	148.2	0.8	0.8	0.9	3.9	3.5	3.5
Service occupations	140.6	144.3	145.6	1.0	0.8	0.9	3.7	3.7	3.6
<b>Industry and occupational group</b>									
<b>Goods-producing industries<sup>(3)</sup></b>	135.8	138.2	138.9	0.5	0.4	0.5	3.0	2.3	2.3
Excluding incentive paid occupations <sup>(2)</sup>	135.9	138.1	138.8	0.4	0.4	0.5	2.8	2.1	2.1
Management, professional, and related	133.3	135.2	135.6	0.3	0.1	0.3	2.5	1.7	1.7
Sales and office	139.9	142.6	143.4	0.7	0.1	0.6	4.2	2.7	2.5
Natural resources, construction, and maintenance	137.8	139.9	140.7	0.4	0.5	0.6	3.0	1.9	2.1
Production, transportation, and material moving	135.2	138.2	139.2	0.7	0.5	0.7	3.0	3.0	3.0
Construction	137.0	139.7	140.3	0.4	0.4	0.4	3.5	2.4	2.4
Manufacturing	135.3	137.6	138.5	0.6	0.3	0.7	2.8	2.3	2.4
Management, professional, and related	134.4	136.3	136.9	0.4	0.1	0.4	2.5	1.8	1.9
Sales and office occupations	139.9	139.9	140.6	0.8	-0.1	0.5	3.3	0.8	0.5
Natural resources, construction, and maintenance	135.2	138.2	139.4	0.4	0.4	0.9	2.3	2.7	3.1
Production, transportation, and material moving	134.9	137.9	138.9	0.7	0.5	0.7	3.1	3.0	3.0
Aircraft manufacturing	122.3	123.0	123.1	-0.1	0.6	0.1	1.7	0.5	0.7
<b>Service-providing industries<sup>(4)</sup></b>	138.7	141.5	142.4	0.4	0.5	0.6	2.6	2.5	2.7
Excluding incentive paid occupations <sup>(2)</sup>	138.8	141.7	142.5	0.4	0.6	0.6	2.6	2.5	2.7
Management, professional, and related	137.3	139.8	140.2	0.3	0.6	0.3	2.2	2.0	2.0
Sales and office	138.7	141.8	143.2	0.2	0.3	1.0	2.7	2.5	3.2
Natural resources, construction, and maintenance	138.2	141.8	142.4	0.6	0.6	0.4	2.0	3.2	3.0
Production, transportation, and material moving	143.8	147.7	149.0	0.8	0.9	0.9	3.7	3.6	3.6
Service occupations	140.6	144.3	145.6	1.0	0.8	0.9	3.7	3.7	3.6
Trade, transportation, and utilities	140.7	143.8	145.1	0.4	0.3	0.9	2.9	2.6	3.1
Excluding incentive paid occupations <sup>(2)</sup>	141.4	144.5	146.0	0.5	0.3	1.0	3.0	2.7	3.3
Wholesale trade	134.9	138.0	138.1	0.1	0.2	0.1	1.4	2.4	2.4
Excluding incentive paid occupations <sup>(2)</sup>	139.0	141.2	142.1	0.6	0.1	0.6	2.7	2.2	2.2
Retail trade	141.7	144.7	146.7	0.6	0.3	1.4	3.2	2.7	3.5
Excluding incentive paid occupations <sup>(2)</sup>	140.2	143.8	145.8	0.5	0.3	1.4	2.9	3.1	4.0
Transportation and warehousing	144.8	148.2	149.6	0.7	0.5	0.9	3.9	3.1	3.3
Utilities	150.4	153.3	154.0	0.3	0.1	0.5	3.7	2.3	2.4
Information	135.7	139.0	139.9	0.3	0.4	0.6	1.0	2.7	3.1
Financial activities	138.2	141.2	141.4	0.1	0.2	0.1	3.0	2.3	2.3
Excluding incentive paid occupations <sup>(2)</sup>	138.4	141.5	141.5	0.3	0.5	0.0	2.7	2.5	2.2

**Footnotes**

(1) Includes wages, salaries, and employer costs for employee benefits.

(2) The index for this series is not strictly comparable with other series in this table.

(3) Includes mining, construction, and manufacturing.

(4) Includes the following industries: wholesale trade; retail trade; transportation and warehousing; utilities; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; and other services, except public administration.

SOURCE: U.S. Bureau of Labor Statistics, National Compensation Survey