

<b>MUNICIPAL CORPORATION OF GREATER MUMBAI</b>			
<b>Proposed MCGM General Hospital and Staff Quarters, Village Chandivali, Sangharsha Nagar, Kurla,Mumbai,400072</b>			
<b>CSMC CIVIL WORK - HOSPITAL &amp; RESIDENTIAL BUILDING</b>			
<b>SR. NO.</b>	<b>SECTION</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
<b>1</b>	<b>A</b>	SEWAGE TEATMENT PLANT CSMC WORKS	2,02,94,820.00
<b>2</b>	<b>B</b>	WATER TREATMENT PLANT CSMC WORKS	25,83,000.00
<b>3</b>	<b>C</b>	PLUMBING & SANITARYWARE CSMC WORKS	1,60,36,380.00
<b>4</b>	<b>D</b>	RAIN WATER HARVESTING CSMC WORKS	11,89,600.00
<b>Total for CSMC CIVIL work</b>			<b>4,01,03,800.00</b>

MUNICIPAL CORPORATION OF GREATER MUMBAI						
PROPOSED BMC GENERAL HOSPITAL & STAFF QUARTERS						
BILL OF QUANTITIES - STP & ETP PLANT						
SR.NO	REF. CODE	DESCRIPTION	QTY	UNIT	S/I/T/C RATE	S/I/T/C TOTAL AMOUNT
		<b>STP-400KLD &amp; ETP-115KLD</b>				
1	FAIR-PMM-STP-2019	STP & ETP Capacity 515 cum/day (STP Cap400 KLD, ETP Cap.115 KLD) MBR process STP of cap.515 CUM/DAY with all Necessary Equipments listed below 2 nos SS 304 Bar screne. Punched hole screen of 2mm size,2 nos. Sewage lift pump SS construction,2 nos. Twin lobe Air blower,4 nos. sludge pumps,2 nos. Filter feed pumps,2 nos. Treated water transfer pump,Control panel,Membrane removing & reinstallation.,Ozone / UV Dosing arrangement,Necessary multiport valve filters,Filter Press / Centrifuge,NECESSARY PIPING OF UPVC SCH 80 or HDPE except Air Blower WHICH WILL BE IN GI/MS, Membrane porosities of 0.035 microns: GE / Siemens	1	Nos	3,22,14,000	3,22,14,000
		INLET WATER QUALITY QUARTERS -ETP (Cap - 115cum.) BOD-500 PPM,COD-1000 PPM,TSS-300 PPM,OIL&GREASE-50 PPM,PH-5 to 8				

		INLET WATER QUALITY QUARTERS-STP (Cap-400cum.) BOD-300PPM,COD-600PPM,TSS-200 PPM OIL&GREASE-50PPM,PH-5 to 8,TREATED WATER QUALITY,BOD<5,COD<30,TSS<2,OIL&GREASE-50PPM,PH-6.5to 8,				
		TREATED WATER QUALITY BOD < 5, COD < 30, TSS < 2, OIL & GREASE < 2, PH- 6.5 TO 8, ODOUR – Unobjectionable, COLI FORM < 01				
		(all RCC work including pump foundations will be done by the Civil Contractor). Lab Test Report for total parameters as per IS 10500 for First 3 months each & at 6th and 12th Month. As per detail specification and directed by engineer-in charge. (as per drawing)				
		<b>TOTAL AMOUNT GRAND TOTAL FOR STP, ETP PLANT WITH ALL MECHANICAL &amp; ELECTRICAL WORKS (In Rs.)</b>				<b>3,22,14,000</b>

	FAIR ITEM	SEWAGE TREATMENT PLANT CSMC WORKS				
		<b>TOTAL AMOUNT FOR STP WORK</b>				3,22,14,000.00
		<b>Operation cost for STP</b>				
	FAIR ITEM	1st Year 5%				16,10,700.00
	FAIR ITEM	2nd Year 5.5%				17,71,770.00
	FAIR ITEM	3rd Year 6%				19,32,840.00
	FAIR ITEM	4th Year 6.5%				20,93,910.00
	FAIR ITEM	5th Year 7%				22,54,980.00
	FAIR ITEM	6th Year 7.5%				24,16,050.00
	FAIR ITEM	7th Year 8%				25,77,120.00
		<b>TOTAL</b>			<b>A</b>	<b>1,46,57,370.00</b>
		<b>Annual Comprehensive Maintenance Cost for STP</b>				
		1st Year (Included)				0.00
		2nd Year (Included)				0.00
	FAIR ITEM	3rd Year 3%				10,46,955.00
	FAIR ITEM	4th Year 3.25 %				11,27,490.00
	FAIR ITEM	5th Year 3.5 %				12,08,025.00
	FAIR ITEM	6th Year 3.75%				12,88,560.00
	FAIR ITEM	7th Year 4%				9,66,420.00
		<b>TOTAL</b>			<b>B</b>	<b>56,37,450.00</b>
		<b>GRAND TOTAL</b>	LS		<b>(A+B)</b>	<b>2,02,94,820.00</b>

<b>BILL OF QUANTITIES - WTP</b>						
<b>SR.NO</b>	<b>REF. CODE</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>S/I/T/C RATE</b>	<b>S/I/T/C TOTAL AMOUNT</b>
2	FA-BMH-21-06	WATER TREATMENT PLANT				
		Supply, installation, testing and commissioning of dual media, deep bed vertical down flow pressure filter consisting of Stainless steel vertical Self Supporting type pressure vessel with Supporting Media frontal pipe(MS/GI) work and valves, differential pressure gauges and all required accessories.				
		Flow- 60 m3/hr				
		Filtration Velocity-15 m3/m2/Hr				
		Shell/Dish Thickness - 6/6 Thickness				
		Internal arrangement - Plate with PP Strainer with Box pipe support				
		Media- Sand, Pebbles,Etc.				
		Opearting Pressure-3.5 kg/cm2				
		Testing Pressure-5 kg/cm2				
		Make- PTBr				

		Supply, installation, testing and commissioning of <b>Activated Carbon Filter</b> , media, deep bed vertical down flow pressure filter consisting of Stainless steel vertical Self Supporting type Activated Carbon filter with carbon and supporting media, frontal pipe(MS/GI) work and valves, differential pressure gauges and all required accessories.				
		Flow- 60 m3/hr				
		Filtration Velocity-15 m3/m2/Hr				
		Shell/Dish Thickness - 6/6 Thickness				
		Internal arrangement - Plate with PP Strainer with Box pipe support				
		Media- Supporting sand and Carbon				
		Operating Pressure-3.5 kg/cm2				
		Testing Pressure-5 kg/cm2				
		Make - PTBr				
		<b>Sodium silicate chlorine dosing system</b> consisting of 20 lts capacity polyethylene tank mounted with adjustable flow electronic metering pump suitable for dosing 2.5 lph at 3.5 kg/cm2 pressure, complete with connecting pipe, foot valve and strainer, level tube, level switch, cable, non return valve and all accessories				

		Make- Asia LMI				
		WTP feed pump for rain water treatment Fixed speed In-line, vertical multistage, centrifugal clear water pumps, speed upto 2900 rpm, with CI body, S.S 304 impeller and SS-304/410 shaft, C.I. Base with epoxy coating , connected to a TEFC motor (with mechanical seal) suitable for 380 / 440 volts,				
		For feeding raw water to water treatment plant and store in soft / treated domestic water tank Capacity/Flow Rate - 500LPM VERTICAL INLINE PUMP Head - 50.00 MWC 1 Set = 3 Nos. Pump (2 Working + 1 Standby) 8hr working Location - PUMP ROOM Suction head - Positive suction				
		Make- Wilo/Kirloskar/eq				

		Electrical Starter panel composite for one set of pumps complete with individual pump isolators, contactors, control contactors,O/L Relay with Single phasing preventer , earth leakage relay, dry run trip relay, ON-OFF and Trip Indicating lamps, automatic Set of accessories such as G.I headers for suction and discharge, control valves, non return valves, Flow switches, pressure switches, pressure gauge, inter connecting power and control cabling etc.and all required instrumentation complete shall be include				
		Make of Panel- PTBr				
		<b>TOTAL AMOUNT WTP (In Rs.)</b>				<b>41,00,000.00</b>
		<b>WATER TREATMENT PLANT CSMC WORKS</b>				
		<b>TOTAL AMOUNT FOR WTP WORK</b>				41,00,000.00
		<b>Operation cost for WTP</b>				
	FA-BMH-21-29	1st Year 5%				2,05,000.00
	FA-BMH-21-30	2nd Year 5.5%				2,25,500.00
	FA-BMH-21-31	3rd Year 6%				2,46,000.00
	FA-BMH-21-32	4th Year 6.5%				2,66,500.00
	FA-BMH-21-33	5th Year 7%				2,87,000.00
	FA-BMH-21-34	6th Year 7.5%				3,07,500.00
	FA-BMH-21-35	7th Year 8%				3,28,000.00
		<b>TOTAL</b>			<b>A</b>	<b>18,65,500.00</b>



		<b>Annual Comprehensive Maintenance Cost for WTP</b>				
		1st Year (Included)				0.00
		2nd Year (Included)				0.00
	FA-BMH-21-36	3rd Year 3%				1,23,000.00
	FA-BMH-21-37	4th Year 3.25 %				1,33,250.00
	FA-BMH-21-38	5th Year 3.5 %				1,43,500.00
	FA-BMH-21-39	6th Year 3.75%				1,53,750.00
	FA-BMH-21-40	7th Year 4%				1,64,000.00
		<b>TOTAL</b>			<b>B</b>	<b>7,17,500.00</b>
		<b>GRAND TOTAL</b>	LS		<b>(A+B)</b>	<b>25,83,000.00</b>

BILL OF QUANTITIES - SANITARYWARE						
SR.NO	REF. CODE	DESCRIPTION	QTY	UNIT	S/I/T/C RATE	S/I/T/C TOTAL AMOUNT
		<p><b>NOTE: 1) Wherever single brand is mentioned in sanitary fixtures &amp; fittings the same should be rNod as "or approved equivalent" 2) All vertical and suspended drainage , sewer, water supply pipes should be fixed on horrizontal/ vertical suface on sutably design bracket as approved by Engineer in charge. No seprate payment shall be made for this acount. The contractor should note this while quoting the tender.</b></p>				
	R2-CS-PS-1	with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
3	R2-CS-PS-1-a	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	22.00	Nos	6,314.00	1,38,908.00
4	R2-CS-PS-244	Providing and fixing JAQUAR MAKE metropole flush valve Dual Flow ConcNoled type with control cock operation plate 40 mm size etc. Complete	2.00	Nos	7,929.00	15,858.00
5	R2-CS-PS-254	Providing and fixing JAQUAR MAKE,HOTELIER series Model No. 1551 <b>Toilet Paper Holder</b> Recessed type (S.Steel) including cutting and making goodthe wall wherever required etc complete	2.00	Nos	1,842.00	3,684.00
6	R2-CS-PS-257	Providing and fixing GLITTERS MAKE, SLOPE series <b>Robe hook</b> etc complete	2.00	Nos	788.00	1,576.00

7	R2-CS-PS-76	closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china <b>cistern with dual flush fitting</b> , of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	330.00	Nos	15,556.00	51,33,480.00
8	R2-CS-PS-221	Providing and fixing cast iron Pan connectors with or without vent holes straight/ bend including providing & jointing with drip sNol joints.	330.00	Nos	1,359.00	4,48,470.00
9	R2-CS-PS-264	Providing & fixing <b>2-way Bib cock</b> JAQUAR MAKE, ORNAMIX Model No. 10041etc. complete.	330.00	Nos	2,578.00	8,50,740.00
10	R2-CS-PS-260	Providing & fixing in position `Jacquar Continental' make <b>CP Jet Spray</b> with flexible CP supply pipe, and all other accessories, complete	330.00	Nos	2,113.00	6,97,290.00
11	R2-CS-PS-244	Providing and fixing JAQUAR MAKE metropole flush valve Dual Flow Concealed type with control cock operation plate 40 mm size etc. Complete	330.00	Nos	7,929.00	26,16,570.00
12	R2-CS-PS-254	Providing and fixing JAQUAR MAKE, HOTELIER series Model No. 1551 <b>Toilet Paper Holder</b> Recessed type (S.Steel) including cutting and making goodthe wall wherever required etc complete	330.00	Nos	1,842.00	6,07,860.00
13	R2-CS-PS-257	Providing and fixing GLITTERS MAKE, SLOPE series <b>Robe hook</b> etc complete	330.00	Nos	788.00	2,60,040.00
14	R2-CS-PS-246	Supplying & Fixing Hindware make flat back Urinal rNor inlet with urinal flush valve of Jaquar make including CP SS dome shaped grating C.P. west coupling, CP sprNoder, CP `P' trap.(Urinal White color Model no.60002, Jaquar Make Push Type Valve Cat.No.PRS-077 OR consider equivalent make)	100.00	Nos	7,267.00	7,26,700.00

15	R2-CS-PS-248	White Vitreous China of 'Hindustan & Parryware' make or equivalent under counter type <b>Oval wash basin</b> of size 550 x 480mm with CI brackets suitable for mounting below granite counter including waste fitting with CP brass bottle trap, angle valve with CP connection etc as specified. Oval Wash Basin Model No.10051 OR consider equivalent make.)	270.00	Nos	8,192.00	22,11,840.00
16	R2-CS-PS-251	P/f Hindustan make white glazed Northen ware,wash basin constallation model (10032) of 55cmx43cm OR consider equivalent make	2.00	Nos	3,939.00	7,878.00
17	R2-CS-PS-8	Providing and fixing white vitreous china <b>pedestal for wash basin</b> completely recessed at the back for the reception of pipes and fittings.	2.00	Nos	1,177.00	2,354.00
18	R2-CS-PS-252	Providing and fixing <b>stainless steel sink 600 mm x 450 mm</b> and 200mmdeep including 32mm dia. galvanised iron waste pipe, 32mm dia. C.P.brass waste coupling, one C.P. brass screw down tap, caste ironbrackets, rubber plugs with chain etc. complete.( Kitchen Sink)	90.00	Nos	8,215.00	7,39,350.00
	R2-CS-PS-11	Providing and fixing white vitreous china <b>laboratory sink</b> with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete including painting of fittings and brackets, cutting and making good the wall wherever required. Cat no. 50001 OR consider equivalent make				
19	R2-CS-PS-11-A	Size 450x300x150mm	110.00	Nos	3,436.00	3,77,960.00
20	R2-CS-PS-263	WASTE COUPLING :JAQUAR : NO. 705 (FULL THRNod)	2.00	Nos	655.00	1,310.00

21	R2-CS-PS-262	Providing & fixing chromium plated 32mm Jaguar make Series allied modelno. ALD-769 B <b>Bottle trap</b> (with internal partition) for Wash Basins including Waste Coupling fixed in required position with 250mm long wall connection pipes and wall flange with all necessary fittings and fixtures, etc. complete and as directed by The Engineer incharge.	2.00	Nos	1,913.00	3,826.00
22	R2-CS-PS-247	Providing and fixing JAQUAR MAKE, PRESSMATIC Taps Model No. 031 <b>Pillarcock Auto closing system</b> etc complete	270.00	Nos	2,834.00	7,65,180.00
23	R2-CS-PS-261	Providing and fixing ISI marked make CP brass <b>liquid soap dispensers</b> with CP brass bracket capacity 250 ml.	600.00	Nos	2,645.00	15,87,000.00
24	R2-CS-PS-255	Supply of Sink Mixer - Jaquar note:- J shape spout with wall flange of heavy duty Jaquar make (Wall mounted). (Sink cock with J shape spout Cat. No. FLR-5309N OR consider equivalent make)	110.00	Nos	4,737.00	5,21,070.00
25	R2-CS-PS-250	P/F Jaquar make <b>shower</b> , necessary accessories shower arm with flange continental series sr. no. 483	118.00	Nos	1,437.00	1,69,566.00
26	R2-CS-PS-249	Providing and fixing heavy ISI marked single lever concealed diverter for bath & shower system Rain shower & its accessories. (Mixer Cat. No. CON- 421 Jaquar make OR consider equivalent make)	118.00	Nos	11,203.00	13,21,954.00
27	R2-CS-PS-258	Providing and fixing GLITTERS MAKE, SLOPE series <b>Towel Rack</b> etc complete	118.00	Nos	1,448.00	1,70,864.00
28	R2-CS-PS-256	Providing and fixing JAQUAR MAKE, CONTINENTAL Model No. 1121 <b>Towel ring</b> including cutting and making good the wall wherever required etc complete	118.00	Nos	1,281.00	1,51,158.00
29	R2-CS-PS-265	Providing and fixing brass CP <b>angle cock</b> for mini geyser of Metro, seiko or other equivalent approved make.	750.00	Nos	721.00	5,40,750.00

30	FA-BMH-21-41	Supplying and erecting storage / pressure type horizontal / vertical water heater 25 litres with BEE 5 star rating of mild steel body, on wall / loft complete duly tested and marking sr. no. and date of erection.specification no. AP-WH/STWH	200.00	Nos	6,912.75	13,82,550.00
31	FA-BMH-21-42	Supplying and erecting storage / pressure type horizontal / vertical water heater 25 litres with BEE 5 star rating of mild steel body, on wall / loft complete duly tested and marking sr. no. and date of erection.specification no. AP-WH/STWH	10.00	Nos	32,137.05	3,21,370.50
32	FA-BMH-21-43	Grabbars-Providing SS grabbars set for accessible toilets comprising of 4NO. Grabbars as specified below. (1NO.wing grabbar+1NO. Lshaped grabbar+ 2NO.straight grabbars=1t ytical set )27a) Swing grabbar (1NO) Providing a S.S.304 SWING HANDICAP GRABBAR-700mm and of DIA :32MM and thickness 1.5mm of the roved brand and make. 27b) LShaped grabbar (1NO) Providing S.S.304 LSHAPED DISABLED GRABBAR of SIZE-600MM(H)X600MM(D) and 32MMDIA .and thickness mm of the approved brand and make. 27c) Straight grabbar (2NO) Providing S.STEEL 304 GRAB RAIL (600MM),32MMDIA. and thickness 1.5mm of the approved brand and make.	40.00	Nos	25,642.50	10,25,700.00
33	FA-BMH-21-44	SITC OF 2- Bay Scrub Sink, with Infrared Photo sensor, Digital Timer with user defined Time interval 1,3,5 and 10 minutes,1 no. mixture valve and 1 NO. solenoid valves along with Manual Option Foot Operated mechanism/ Foot switch. Anti-splash metal body construction made of Stainless Steel Grade 304 polished finished. The Scrub Sink is provided with front access panel for NOe of maintenance and repairs. 1 – Position size 1600 mm long	4.00	Nos	2,35,708.00	9,42,832.00

34	FA-BMH-21-45	Supplying and erecting ultra violet storage type water purifier ( RO+UV+UF) with softener for safe drinking water consisting of UV germicidal tube of 8W capacity choke made of copper wire and two indicator lamps with output of purified water 7 to 8 litre/min with activated carbon filter and softener operating on 230 V single phase A.C. supply.	2.00	Nos	18,487.85	36,975.70
		<b>TOTAL SECTION 'A'</b>				<b>2,37,82,664.20</b>
<b>RESIDENTIAL</b>						
		<b>NOTE: 1) Wherever single brand is mentioned in sanitary fixtures &amp; fittings the same should be rNod as "or approved equivalent" 2) All vertical and suspended drainage , sewer, water supply pipes should be fixed on horrizontal/ vertical surface on sutaibly design bracket as approved by Engineer in charge. No seprate payment shall be made for this acount. The contractor should note this while quoting the tender.</b>				
	R2-CS-PS-1	with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
34	R2-CS-PS-244	Providing and fixing JAQUAR MAKE metropole flush valve Dual Flow ConcNoled type with control cock operation plate 40 mm size etc. Complete	200.00	Nos	7,929.00	15,85,800.00

35	R2-CS-PS-76	closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china <b>cistern with dual flush fitting</b> , of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	198.00	EA	15,556.00	30,80,088.00
36	R2-CS-PS-221	Providing and fixing cast iron Pan connectors with or without vent holes straight/ bend including providing & jointing with drip sNol joints.	198.00	Nos	1,359.00	2,69,082.00
37	R2-CS-PS-264	Providing & fixing <b>2-way Bib cock</b> JAQUAR MAKE, ORNAMIX Model No. 10041etc. complete.	198.00	Nos	2,578.00	5,10,444.00
38	R2-CS-PS-260	Providing & fixing in position `Jacquar Continental' make <b>CP Jet Spray</b> with flexible CP supply pipe, and all other accessories, complete	198.00	Nos	2,113.00	4,18,374.00
39	R2-CS-PS-254	Providing and fixing JAQUAR MAKE,HOTELIER series Model No. 1551 <b>Toilet Paper Holder</b> Recessed type (S.Steel) including cutting and making goodthe wall wherever required etc complete	198.00	Nos	1,842.00	3,64,716.00
40	R2-CS-PS-257	Providing and fixing GLITTERS MAKE, SLOPE series <b>Robe hook</b> etc complete	198.00	Nos	788.00	1,56,024.00
41	R2-CS-PS-248	White Vitreous China of 'Hindustan & Parryware' make or equivalent under counter type <b>Oval wash basin</b> of size 550 x 480mm with CI brackets suitable for mounting below granite counter including waste fitting with CP brass bottle trap, angle valve with CP connection etc as specified. Oval Wash Basin Model No.10051 OR consider equivalent make.)	221.00	Nos	8,192.00	18,10,432.00
42	R2-CS-PS-251	P/f Hindustan make white glazed Northen ware,wash basin constallation model (10032) of 55cmx43cm OR consider equivalent make	2.00	Nos	3,939.00	7,878.00
43	R2-CS-PS-8	Providing and fixing white vitreous china <b>pedestal for wash basin</b> completely recessed at the back for the reception of pipes and fittings.	2.00	Nos	1,177.00	2,354.00



44	R2-CS-PS-252	Providing and fixing <b>stainless steel sink 600 mm x 450 mm</b> and 200mm deep including 32mm dia. galvanised iron waste pipe, 32mm dia. C.P.brass waste coupling, one C.P. brass screw down tap, cast iron brackets, rubber plugs with chain etc. complete.( Kitchen Sink)	194.00	Nos	8,215.00	15,93,710.00
45	R2-CS-PS-263	WASTE COUPLING :JAQUAR : NO. 705 (FULL THROD)	2.00	Nos	655.00	1,310.00
46	R2-CS-PS-262	Providing & fixing chromium plated 32mm Jaguar make Series allied model no. ALD-769 B <b>Bottle trap</b> (with internal partition) for Wash Basins including Waste Coupling fixed in required position with 250mm long wall connection pipes and wall flange with all necessary fittings and fixtures, etc. complete and as directed by The Engineer in charge.	2.00	Nos	1,913.00	3,826.00
47	R2-CS-PS-247	Providing and fixing JAQUAR MAKE, PRESSMATIC Taps Model No. 031 <b>Pillarcock Auto closing system</b> etc complete	221.00	Nos	2,834.00	6,26,314.00

48	R2-CS-PS-261	Providing and fixing ISI marked make CP brass <b>liquid soap dispensers</b> with CP brass bracket capacity 250 ml.	419.00	Nos	2,645.00	11,08,255.00
49	R2-CS-PS-250	P/F Jaquar make <b>shower</b> , necessary accessories shower arm with flange continental series sr. no. 483	194.00	Nos	1,437.00	2,78,778.00
50	R2-CS-PS-249	Providing and fixing heavy ISI marked single lever concealed diverter for bath & shower system Rain shower & its accessories. (Mixer Cat. No. CON- 421 Jaquar make OR consider equivalent make)	194.00	Nos	11,203.00	21,73,382.00
51	R2-CS-PS-258	Providing and fixing GLITTERS MAKE, SLOPE sereis <b>Towel Rack</b> etccomplete	194.00	Nos	1,448.00	2,80,912.00
52	R2-CS-PS-256	Providing and fixing JAQUAR MAKE,CONTINENTAL Model No. 1121 <b>Towel ring</b> including cutting and making good the wall wherever required etccomplete	194.00	Nos	1,281.00	2,48,514.00
53	R2-CS-PS-265	Providing and fixing brass CP <b>angle cock</b> for mini geyser of Metro,seiko or other equivalent approved make.	620.00	Nos	721.00	4,47,020.00
54	FA-BMH-21-41	Supplying and erecting storage / pressure type horizontal / vertical water heater 25 litres with BEE 5 star rating of mild steel body, on wall / loft complete duly tested and marking sr. no. and date of erection.specification no. AP-WH/STWH	194.00	Nos	6,912.75	13,41,073.50
<b>TOTAL SECTION 'B'</b>						<b>1,63,08,286.50</b>
<b>TOTAL (A+B)</b>						<b>4,00,90,950.70</b>
<b>SAY</b>						<b>4,00,90,951.00</b>
	FAIR ITEM	<b>PLUMBING &amp; SANITARYWARE CSMC (a+b)WORKS</b>				4,00,90,951.00
		1st Year (Included)				0.00
		2nd Year (Included)				0.00
		3rd Year (Included)				0.00
	FAIR ITEM	4th Year @ 8%				32,07,276.00
	FAIR ITEM	5th Year @ 8%				32,07,276.00
	FAIR ITEM	6th Year @ 8%				32,07,276.00
	FAIR ITEM	7th Year @ 8%				32,07,276.00

	FAIR ITEM	8th Year @ 8%				32,07,276.00
		<b>GRAND TOTAL</b>	LS			<b>1,60,36,380.00</b>

BILL OF QUANTITIES - RWH								
SR. NO.	REFRENCES	DESCRIPTION	QTY			RATE	UNIT	AMOUNT
			HOS.	RESI.	TOTAL			
<b>E</b>		<b>RAIN WATER</b>						
55	R2-CS-PS-215-a	Supplying & Fixing 3 mm thick lead flashing in single piece of lead sheet all around the rain water outlet mouth on a layer of cold bitmen including hNovy duty 5 mm thick C.I. grating, a) 150 x 150 (6" x 6") square or dia outlet for 100 mm (4") pipe.	10.00	10.00	20.00	495.00	Nos	9,900.00
56	R2-CS-PS-215-b	Supplying & Fixing 3 mm thick INod flashing in single piece of INod sheet all around the rain water outlet mouth on a layer of cold bitmen including hNovy duty 5 mm thick C.I. grating, b) 230 x 230 (9" x 9") square or dia outlet for 150 mm (6") pipe.	20.00	15.00	35.00	668.00	Nos	23,380.00
57	R2-CS-PS-215-c	Supplying & Fixing 3 mm thick INod flashing in single piece of INod sheet all around the rain water outlet mouth on a layer of cold bitmen including hNovy duty 5 mm thick C.I. grating, c) 300 x 300 (12" x 12") square or dia outlet for 200 mm (8") pipe.	5.00	5.00	10.00	738.00	NOs	7,380.00
58	R2-CS-PS-215-d	Supplying & Fixing 3 mm thick INod flashing in single piece of INod sheet all around the rain water outlet mouth on a layer of cold bitmen including hNovy duty 5 mm thick C.I. grating, d) 150 x 150 (6" x 6") square or dia outlet for 75 mm (3") pipe.	1.00	1.00	2.00	495.00	Nos	990.00

59	R2-HE-1-3-D	<p>Supplying, lowering, laying and jointing in trenches C.I. Class 'LA' , S/S pipes conforming to IS:1536 with CI / MS specials of following diameter including chamfering cut edges of pipes for specials and fixing with Styrene Butadiene Rubber (SBR) gaskets conforming to IS:5382 &amp; IS:12820 in proper position, grade and alignment etc complete in all respect and as directed by Engineer in Charge including conveyance of material from any municipal stores in GrNoter Mumbai to site of work, including cost of jointing materials and rubber rings labour, giving hydraulic testing upto 6 kg/sqm pressure etc complete as directed by Engineer in Charge 250 mm dia pipe</p>	150.00	100.00	250.00	3,163.00	Rmt	7,90,750.00
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60	R2-HE-1-3-E	Supplying, lowering, laying and jointing in trenches C.I. Class 'LA' , S/S pipes conforming to IS:1536 with CI / MS specials of following diameter including chamfering cut edges of pipes for specials and fixing with Styrene Butadiene Rubber (SBR) gaskets conforming to IS:5382 & IS:12820 in proper position, grade and alignment etc complete in all respect and as directed by Engineer in Charge including conveyance of material from any municipal stores in GrNoter Mumbai to site of work, including cost of jointing materials and rubber rings labour, giving hydraulic testing upto 6 kg/sqm pressure etc complete as directed by Engineer in Charge 300 mm dia pipe	200.00	200.00	400.00	4,199.00	Rmt	16,79,600.00
#REF!								
61	R2-CS-RW-16-B	Providing and fixing UV resistant selffit UPVC pipes of approved make for Rainwater downtakes confirming to IS 13592:1992 Type A suitable for 4kg/sqcm pressure for following pipe diameters including rain water receiving recess with pvc plug bend necessary fittings such as offsets shoes, fixing the pipes on wall with clips filling the joints with solvent/cement and necessary scaffolding etc. complete as directed by Engineer In Charge.(Make to be use Supreme / Astral / Aquafit) 100 mm dia	150.00	150.00	300.00	406.00	Rmt	1,21,800.00

62	R2-CS-RW-16-C	Providing and fixing UV resistant selffit UPVC pipes of approved make for Rainwater downtakes confirming to IS 13592:1992 Type A suitable for 4kg/sqcm pressure for following pipe diameters including rain water receiving recess with pvc plug bend necessary fittings such as offsets shoes, fixing the pipes on wall with clips filling the joints with solvent/cement and necessary scaffolding etc. complete as directed by Engineer In Charge.(Make to be use Supreme / Astral / Aquafit) 150 mm dia	300.00	150.00	450.00	756.00	Rmt	3,40,200.00
		<b>TOTAL SECTION 'E'</b>						<b>29,74,000.00</b>
	<b>FAIR ITEM</b>	<b>RAIN WATER HARVESTING CSMC WORKS</b>						29,74,000.00
		1st Year (Included)						0.00
		2nd Year (Included)						0.00
		3rd Year (Included)						0.00
	FAIR ITEM	4th Year @ 8%						2,37,920.00
	FAIR ITEM	5th Year @ 8%						2,37,920.00
	FAIR ITEM	6th Year @ 8%						2,37,920.00
	FAIR ITEM	7th Year @ 8%						2,37,920.00
	FAIR ITEM	8th Year @ 8%						2,37,920.00
		<b>GRAND TOTAL</b>	LS					<b>11,89,600.00</b>