

NAME OF WORK : SPECIAL REPAIR WORKS FOR CONSTRUCTION OF 2 NOS. OF INS, 3 NOS. OF SI AND 62 NOS. OF PC/HC QUARTERS AT RAMESWARAM IN RAMANATHAPURAM DISTRICT FOR THE YEAR 2018-2019

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2018-2019	
			RATE	AMOUNT
1	0.90 Cu.M.	DISMANTLING CLEARING AWAY AND CAREFULLY STACKING MATERIALS USEFUL FOR REUSE OF BRICK MASONRY IN CEMENT MORTAR WALLS WITHOUT AFFECTING THE ADJACENT STRUCTURES, INCLUDING THE COST OF REQUIRED TOOLS AND PLANTS AND SCAFFOLDING IF NECESSARY AND CLEARING THE DISMANTLED MATERIALS AWAY FROM THE SITE ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. a) FIRST FLOOR	146.80	132.12
	22.90 Cu.M.	b) SECOND FLOOR	162.30	3716.67
2	5.50 Cu.M.	DISMANTLING CLEARING AWAY AND CAREFULLY STACKING MATERIALS USEFUL FOR RE-USE OF REINFORCEMENT CEMENT CONCRETE WITHOUT AFFECTING THE ADJACENT STRUCTURES, INCLUDING THE COST OF REQUIRED TOOLS AND PLANTS AND SCAFFOLDING IF NECESSARY ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.	3820.00	21010.00
3	0.80 Cu.M.	BRICK WORK IN CEMENT MORTAR 1:6 (ONE OF CEMENT AND SIX OF SAND) USING KILN BURNT COUNTRY BRICKS OF SIZE 8 3/4"x4 1/4"x2 3/4" (22x11x7CM) FOR SUPER STRUCTURE IN THE FOLLOWING FLOORS INCLUDING LABOUR FOR FIXING THE DOORS WINDOWS AND VENTILATOR FRAMES IN POSITION, FIXING OF HOLD FASTS, SCAFFOLDINGS, CURING ETC., COMPLETE IN ALL RESPECTS COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS AND DRAWINGS. (a) IN FIRST FLOOR	5436.34	4349.07
	22.70 Cu.M.	(b) IN SECOND FLOOR	5526.64	125454.73

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2018-2019	
			RATE	AMOUNT
4	0.70 Cu.M.	PROVIDING AND LAYING IN POSITION, STANDARDISED CONCRETE MIX M-30 GRADE IN ACCORDANCE WITH IS: 456 - 2000 USING 20 MM AND DOWNGRADED HARD BROKEN GRANITE STONE JELLY FOR ALL RCC ITEMS OF WORKS NAMELY TEE, ELL OR RECTANGULAR BEAMS, LINTEL, PARAPET CUM DROPS, WAIST AND LANDING SLAB, CANOPHY, CIRCULAR COLUMN, FIN PROJECTIONS, SUNSHADES, WINDOW BOXING SLAB, SLAB AND OTHER SIMILAR WORKS WITH MINIMUM CEMENT CONTENT OF 400 KG/M3 AND MAXIMUM WATER CEMENT RATIO OF 0.45, INCLUDING ADMIXTURE (PLASTICISER/SUPER PLASTICISER) IN RECOMMENDED PROPORTIONS AS PER IS:9103 TO ACCELERATE, RETARD SETTING OF CONCRETE, IMPROVE WORKABILITY WITHOUT IMPAIRING STRENGTH AND DURABILITY WITH ABOUT (5.0 CU.M) 7730 KG. OF 20 MM MACHINE CRUSHED STONE JELLY AND WITH ABOUT (3.3 CU.M.) 5156 KG. OF 10 -12 MM MACHINE CRUSHED STONE JELLY AND WITH ABOUT (4.79 CU.M) 7670 KG. OF SAND FOR MAKING 10M3 CONCRETE BUT EXCLUDING COST OF REINFORCEMENT GRILL AND FABRICATING CHARGES, CENTERING AND SHUTTERING AND ALSO INCLUDING LAYING, VIBRATING WITH MECHANICAL VIBRATORS, FINISHING, CURING ETC., AND PROVIDING FIXTURES LIKE FAN CLAMPS IN THE RCC FLOOR/ROOF SLABS WHEREVER NECESSARY WITHOUT CLAIMING EXTRA, ETC., COMPLETE COMPLYING WITH STANDARD SPECIFICATION AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. THE COARSE AND FINE AGGREGATES TO BE USED SHOULD COMPLY WITH THE REQUIREMENTS OF IS STANDARDS. (NO SEPARATE PAYMENT WILL BE MADE BY THE DEPARTMENT FOR THE EXCESS USAGE OF MATERIALS).		
			7378.79	5165.15
		(a) FIRST FLOOR		
	17.50 Cu.M.	(b) IN SECOND FLOOR	7512.79	131473.83
5	1.540 M.T.	SUPPLYING, FABRICATING AND PLACING IN POSITION OF MILD STEEL GRILLS/RIBBED TOR STEELS (WITHOUT CEMENT SLURRY) OF ALL DIAMETERS FOR REINFORCEMENT FOR ALL FLOORS INCLUDING COST OF BINDING WIRE, INSULATED WITH PVC, BENDING, TYING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.	66473.10	102368.57
6	337.60 Sq.M.	PLASTERING WITH CM 1:5 (ONE OF CEMENT AND FIVE OF SAND) 12MM THICK FINISHED WITH NEAT CEMENT INCLUDING PROVIDING BAND CORNICE, CEILING CORNICE, CURING, SCAFFOLDING ETC., COMPLETE IN ALL RESPECTS AND COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS.	179.96	60754.50

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2018-2019	
			RATE	AMOUNT
7	103.20 Sq.M.	FINISHING THE TOP OF FLOORING WITH CEMENT CONCRETE 1:3 (ONE OF CEMENT AND THREE OF BLUE GRANITE CHIPS OF SIZE 10MM AND BELOW) 20MM THICK ELLIS PATTERN FLOORING (NO SAND) AND SURFACE RENDERED SMOOTH INCLUDING 50MM WIDE SKIRTING, PROVIDING PROPER SLOPES, THREAD LINING, CURING ETC., COMPLETE IN ALL FLOORS COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS.	357.87	36932.18
8	126.40 Sq.M.	PROVIDING FORM WORK AND CENTERING FOR REINFORCED CEMENT CONCRETE WORKS INCLUDING SUPPORTS AND STRUTTING UP TO 3.30M HEIGHT FOR PLANE SURFACES AS DETAILED BELOW WITH ALL CROSS BRACINGS USING MILD STEEL SHEETS OF SIZE 90CMX60CM AND MS 10 GAUGE STIFFENED WITH WELDED MILD STEEL ANGLES OF SIZE 25MMX25MMX3MM FOR BOARDING LAID OVER SILVER OAK OR COUNTRY WOOD JOISTS OF SIZE 10CMX6.5CM SPACED AT ABOUT 90CM CENTRE TO CENTRE AND SUPPORTED BY CASURINA PROPS 10CM TO 13CM DIA SPACED AT 75CM INTERVALS AND REMOVING THE SAME AFTER A SPECIFIED PERIOD WITHOUT DAMAGING THE R.C.C WORKS ETC., COMPLETE COMPLYING WITH STANDARD SPECIFICATIONS AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.		
		(b) PLAIN SURFACES SUCH AS ROOF SLAB, FLOOR SLAB, BEAMS LINTELS, LOFTS, SILL SLAB, STAIRCASE WAIST, PORTICO SLAB AND OTHER SIMILAR WORKS	685.93	86701.55
9	33.60 Sq.M.	PLASTERING WITH CM 1:4 (ONE OF CEMENT AND FOUR OF SAND) 12MM THICK FINISHED WITH NEAT CEMENT INCLUDING PROVIDING BAND CORNICE, CEILING CORNICE, CURING, SCAFFOLDING ETC., COMPLETE IN ALL RESPECTS AND COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS.	185.53	6233.81
10	33.90 Rmt.	SUPPLYING AND FIXING OF 110MM DIA PVC SWR PIPE WITH ISI MARK CONFIRMING TO IS 13952:1992- TYPE 'A' FOR RAIN WATER DOWN FALL PIPE (TO BE GOT APPROVED FROM THE EXECUTIVE ENGINEER./ SUPERINTENDING ENGINEER./ CHIEF ENGINEER., BEFORE USE IN WORKS) WITH RELEVANT SPECIALS SUCH AS GRATINGS, SHOES, BENDS, OFFSETS CONFIRMING TO IS 14735 INCLUDING JOINTING WITH SEAL RING CONFIRMING IS 5382 WITH LEAVING A GAP ABOUT 10MM TO ALLOW THERMAL EXPANSION WITH NECESSARY UPVC "U" BRACKET/CLAMPS, TEAK WOOD PLUGS, ETC., OF APPROVED QUALITY AND INCLUDING FIXING C.I GRATINGS AT THE JUNCTION OF PARAPET AND FLOOR OR ROOF SLAB ETC., INCLUDING FINISHING ETC., COMPLETE COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS	294.42	9980.84

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2018-2019	
			RATE	AMOUNT
11		SUPPLYING, LAYING, FIXING AND JOINING THE FOLLOWING PVC PIPES AS PER ASTM D-1785 OF SCHEDULE 40 OF WALL THICKNESS NOT LESS THAN THE SPECIFIED IN IS 4985 SUITABLE FOR PLUMBING BY THREADING OF WALL THICKNESS INCLUDING THE COST OF SUITABLE UPVC SPECIALS LIKE ELBOW, TEE, REDUCERS, PLUG, UNIONS, BEND, COUPLER, NIPPLE, UPVC GATE VALVE, UPVC CHECK AND UPVC/BALL VALVE WHEREVER REQUIRED ABOVE THE GROUND LEVEL INCLUDING THE COST OF TEFLON TAPE, PVC SPECIAL CLAMPS, NAILS ETC., FIXING ON WALL TO THE PROPER GRADIENT AND ALIGNMENT AND REDOING THE CHIPPED OF MASONRY ETC., AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (BRAND NAME AND QUALITY OF PVC/UPVC PIPES AND SPECIALS SHOULD BE GOT APPROVED BY THE EXECUTIVE ENGINEER./ SUPERINTENDING ENGINEER./ CHIEF ENGINEER., BEFORE USE IN WORKS)		
	173.60 Rmt.	(a) 25MM ASTM-D SCHEDULE 40 THREADED PVC PIPE WITH NECESSARY UPVC SPECIALS AND PVC SPECIAL CLAMP ETC.,.	175.36	30442.50
	96.60 Rmt.	(b) 32MM ASTM-D SCHEDULE 40 THREADED PVC PIPE WITH NECESSARY UPVC SPECIALS AND PVC SPECIAL CLAMP ETC.,	191.31	18480.55
12		SUPPLYING AND FIXING THE FOLLOWING DIA PVC (SWR) PIPE WITH ISI MARK CONFIRMING TO IS 13952:1992- TYPE 'B' FOR SOIL LINE WITH RELEVANT SPECIALS CONFIRMING TO IS 14735 INCLUDING JOINTING WITH SEAL RING CONFIRMING TO IS 5382 WITH LEAVING A GAP ABOUT 10MM TO ALLOW THERMAL EXPANSION, FIXING THE PIPES INTO WALLS WITH NECESSARY WOODEN PLUG, SCREWS, HOLDING WHEREVER NECESSARY AND MAKING GOOD OF THE DISMANTLED PORTION WITH NECESSARY CONNECTIONS TO SANITARY FITTINGS ETC., COMPLETE IN ALL RESPECTS AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.		
	14.50 Rmt.	(a) 110MM DIA PVC SWR PIPE INCLUDING ALL REQUIRED PVC SPECIALS ETC., ALL COMPLETE.,	574.23	8326.34
	14.80 Rmt.	(b) 75MM DIA PVC SWR PIPE INCLUDING ALL REQUIRED PVC SPECIALS ETC., ALL COMPLETE.,	462.34	6842.63

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2018-2019	
			RATE	AMOUNT
13	15.90 Sq.M.	PRECAST CEMENT CONCRETE JALLY VENTILATOR IN STANDARDISED CONCRETE MIX M-30 GRADE IN ACCORDANCE WITH IS: 456 - 2000 USING 20MM AND DOWNGRADED HARD BROKEN GRANITE STONE JELLY FOR THE ABOVE RCC ITEM OF WORK WITHOUT VIBRATING CHARGES EXCLUDING THE COST AND FABRICATION OF REINFORCEMENT GRILLS BUT INCLUDING PRECASTING, MOULDING, CURING, FINISHING AND FIXING IN POSITION COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS ETC., COMPLETE IN THE FOLLOWING FLOORS. (a) IN GROUND FLOOR		
			2121.91	33738.37
	11.60 Sq.M.	(b) IN FIRST FLOOR	2126.95	24672.62
	10.80 Sq.M.	(c) IN SECOND FLOOR	2131.99	23025.49
14	72.60 Sq.M.	FINISHING THE TOP OF FLOORING IN CM 1:4 (ONE OF CEMENT AND FOUR OF SAND) 20MM THICK INCLUDING SURFACE RENDERED SMOOTH INCLUDING PROVIDING PROPER SLOPES, THREAD LINING, CURING AND 150MM WIDE SKIRTING AROUND WITH THE SAME CEMENT MORTAR ETC., COMPLETE IN ALL RESPECTS.	371.14	26944.76
15	371.10 Sq.M.	PAINTING PRIMER COAT USING APPROVED QUALITY OF WHITE CEMENT OVER THE CEMENT PLASTERED / CONCRETE NEW WALL SURFACES, CEILING OR OTHER SIMILAR WORKS INCLUDING COST OF WHITE CEMENT, PUTTY, BRUSHES, WATERING, CURING, ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.	45.24	16788.56
		TOTAL		783534.84
		GST @12%		94024.18
		TOTAL		877559.02
		LESS AMOUNT		
		LESS PERCENTAGE		