

NAME OF WORK : PROVIDING SPECIAL REPAIR WORKS FOR 1 NO. OF SI AND 14 NOS. OF PC/HC QUARTERS AT CHATRAKUDI IN RAMANATHAPURAM DISTRICT FOR THE YEAR 2021-

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
1	961.60 Sq.M.	PAINTING THE OLD WALLS WITH TWO COAT OF APPROVED BEST READY MIXED PLASTIC EMULSION PAINT WITHOUT PRIMER INCLUDING THOROUGH SCRAPPING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE EMULSION PAINT AND ITS SHADE SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USING)	136.46	131219.94
2	1823.60 Sq.M.	PAINTING THE OLD WALL WITH TWO COATS OF OIL BOUND DISTEMPER OF APPROVED BRAND OVER THE OLD WALL SURFACES INCLUDING COST OF OIL BOUND DISTEMPER, PUTTY, BRUSHES, WATERING, CURING, AND THOROUGH SCRAPPING THE OLD SURFACES ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS (THE QUALITY OF OIL BOUND DISTEMPER AND ITS SHADE SHALL BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE)	101.97	185952.49
3	111.80 Sq.M.	PAINTING THE OLD IRON WORK WITH ONE COAT AND OTHER SIMILAR WORKS SUCH AS PVC / ASTM PIPES, KERB STONE AND GRILLS WITH APPROVED FIRST CLASS SYNTHETIC ENAMEL READY MIXED PAINT INCLUDING THOROUGH SCRAPPING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS (THE QUALITY AND THE BRAND OF PAINT SHOULD BE GOT APPROVED BY THE EXECUTIVE ENGINEER BEFORE USE)	74.92	8376.06
4	303.30 Sq.M.	PAINTING THE OLD WOOD WORK WITH ONE COAT OF APPROVED FIRST CLASS SYNTHETIC ENAMEL READY MIXED PAINT INCLUDING THOROUGH SCRAPPING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS (THE QUALITY AND THE SHADE OF PAINT SHOULD BE GOT APPROVED BY THE EXECUTIVE ENGINEER BEFORE USE)	81.76	24797.81

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
5	11.80 Sq.M.	<p>PROVIDING AND FIXING OF FACTORY MADE UNPLASTICIZED POLYVINYL CHLORIDE (UPVC) DOOR FRAME OF SIZE 50X47MM WITH A WALL THICKNESS OF 5MM, MADE OUT OF EXTRUDED 5MM RIGID UPVC FOAM SHEET, MITERED AT TWO CORNERS AND JOINED WITH 2 NOS. OF 150MM LONG BRACKETS OF 15X15MM M.S SQUARE TUBE. THE TWO VERTICAL AND HORIZONTAL DOOR PROFILES ARE TO BE REINFORCED WITH 19X19MM M.S SQUARE TUBE OF 19 GAUGES WITH PRIMER COAT. THE DOOR FRAME SHALL BE FIXED TO THE WALL USING 65MM/100MM LONG M.S SCREW THROUGH THE FRAME BY USING PVC FASTENERS. A MINIMUM OF 4 NOS. SCREWS TO BE PROVIDED FOR EACH VERTICAL MEMBER AND MINIMUM 2 NOS. FOR HORIZONTAL MEMBER ETC. PROVIDING AND FIXING 30MM THICK FACTORY MADE DOOR SHUTTER WITH UNPLASTICIZED POLYVINYL CHLORIDE (UPVC) SOLID PANEL FOAM SHEET, STRUCTURED WITH M.S.TUBE OF 19 GAUGE THICKNESS AND SIZE 19MM X 19MM FOR STYLES AND 15MM X 15MM FOR TOP RAIL AND BOTTOM RAIL. PANELLING OF 5MM THICK UPVC ONE SIDE PRINTED LAMINATION SINGLE SHEET TO BE FITTED IN THE M.S.FRAME WELDED / SEALED TO THE STYLES AND RAILS COVERED WITH 5MM THICK HEAT MOULDED UPVC 'C' CHANNEL OF 30MMX50MM AND 5MM THICK 75MM WIDE UPVC SHEET FOR TOP RAIL, LOCK RAIL AND BOTTOM RAIL ON EITHER SIDE AND 10MM (5MM X 2 NOS.) THICK, 20MM WIDE CROSS UPVC SHEET AS GAP INSERT FOR TOP RAIL AND BOTTOM RAIL AND JOINED TOGETHER WITH PVC SOLVENT CEMENT ADHESIVE. AN ADDITIONAL 5MM THICK UPVC STRIP OF 20MM WIDTH IS TO BE STUCK ON THE INTERIOR SIDE OF THE 'C' CHANNEL USING PVC SOLVENT CEMENT ADHESIVE. THE COST AND LABOUR CHARGES FOR FIXING OF 3 NOS. 4" SS BUTT HINGES AND ALUMINIUM FURNITURE FITTING SUCH AS 1 NO. 4" TOWER BOLT, 1 NO.5" ALDROP, 2 NOS. 6" FLAT 'D' TYPE HANDLE, ETC ARE INCLUDED. THE FITTING PROVIDED SHALL BEAR ISI MARKS. TO ENSURE THE GENUINITY OF PRODUCT THE DOOR SET SHOULD HAVE 4 NUMBERS OF MANUFACTURER'S LOGO HOLOGRAM OF APPROVED BRAND, EACH AT FRAME, STYLE, RAIL AND INNER PANEL. (THE QUALITY AND BRAND OF DOOR SHUTTER AND FURNITURE FITTINGS SHOULD BE GOT APPROVED BY THE EXECUTIVE ENGINEER BEFORE USE)</p>	2828.00	33370.40
6	620.00 KG.	<p>SUPPLYING AND FIXING MILD STEEL GRILLS AS PER THE DESIGN APPROVED TO VERANDAH ENCLOSURE OR GATE INCLUDING ONE COAT OF PRIMER AND LABOUR FOR FIXING IN POSITION ETC. ALL COMPLETE.</p>	54.50	33790.00

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
7	20.70 Sq.M.	PAINTING THE NEW IRON WORK AND OTHER SIMILAR WORKS SUCH AS PVC / ASTM PIPES, KERB STONE AND GRILLS WITH TWO COATS OF APPROVED FIRST CLASS SYNTHETIC ENAMEL READY MIXED PAINT OF APPROVED QUALITY AND BRAND, THE PAINT SHOULD BE SUPPLIED BY THE CONTRACTOR AT HIS OWN COST, (THE QUALITY AND THE BRAND OF PAINT SHOULD BE GOT APPROVED BY THE EXECUTIVE ENGINEER BEFORE USE) COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS.	117.35	2429.15
8	50.70 Sq.M.	DISMANTLING CLEARING AWAY AND CAREFULLY STACKING MATERIALS USEFUL FOR RE-USE OF PRESSED TILES IN CEMENT MORTAR 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.	17.40	882.18
9	50.70 Sq.M.	FINISHING THE TOP OF ROOF WITH ONE COURSE OF HYDRAULIC PRESSED TILES OF APPROVED SUPERIOR QUALITY OF SIZE 23CMX23CMX20MM THICK LAID OVER WEATHERING COURSE IN CM 1:3 (ONE OF CEMENT AND THREE OF CRUSHED STONE SAND) 12MM THICK MIXED WITH WATER PROOFING COMPOUND AT 2% BY WEIGHT OF CEMENT USED AND POINTED NEATLY WITH THE SAME CEMENT MORTER MIXED WITH WATER PROOFING COMPOUND INCLUDING CURING ETC., AS PER STANDARD SPECIFICATIONS. (THE QUALITY OF THE TILES SHALL BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE.)	1006.10	51009.27
10	474.20 Sq.M.	WHITE WASHING TWO COATS USING CLEAN SHELL LIME SLAKED INCLUDING COST OF LIME, GUM, BLUE, BRUSHES, INCLUDING SCAFFOLDING ETC., COMPLETE IN ALL RESPECTS.	26.05	12352.91
11	4.10 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.	5045.00	20684.50

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
12	0.90 Cu.M.	PROVIDING AND LAYING IN POSITION, STANDARDISED CONCRETE MIX M-20 GRADE IN ACCORDANCE WITH IS: 456 - 2000 USING 20 MM AND DOWNGRADED HARD BROKEN STONE JELLY FOR ALL RCC ITEMS OF WORKS NAMELY TEE, ELL OR RECTANGULAR BEAMS, LINTELS, 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 325 KG/M3 AND MAXIMUM WATER CEMENT RATIO OF 0.55, 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 CRUSHED STONE SAND FOR MAKING 10M ³ 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 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). (a) IN GROUND FLOOR		
			7400.10	6660.09
	0.90 Cu.M.	(b) IN FIRST FLOOR	7577.10	6819.39
	1.90 Cu.M.	(c) IN SECOND FLOOR	7754.10	14732.79
	1.90 Cu.M.	(d) IN THIRD FLOOR	7931.10	15069.09

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
13	0.560 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, BENDING, TYING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS FOR ALL SIZES.	68782.50	38518.20
14	55.00 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 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 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.	305.34	16793.70
15	3.40 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.	193.00	656.20
16	5.00 Sq.M.	BRICK PARTITION WALL IN CEMENT MORTAR 1:4 (ONE OF CEMENT AND FOUR OF CRUSHED STONE SAND) 110MM THICK FOR SUPER STRUCTURE IN THE FOLLOWING FLOORS USING KILN BURNT COUNTRY BRICKS OF SIZE 8¾"X4¼"X2¾" (22X11X7CM) INCLUDING LABOUR FOR FIXING THE DOORS, WINDOWS AND VENTILATOR FRAMES IN POSITION, FIXING OF HOLD FASTS, SCAFFOLDINGS, CURING ETC., COMPLETE IN ALL RESPECT COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS AND DRAWINGS. (e) IN THIRD FLOOR	733.96	3669.80

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
17	215.50 Sq.M.	PLASTERING WITH CM 1:5 (ONE OF CEMENT AND FIVE OF CRUSHED STONE 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.	204.78	44130.09
18	456.20 Sq.M.	SUPPLYING AND FIXING OF CERAMIC TILES FOR FLOORING AND OTHER SIMILAR WORKS (BEST APPROVED QUALITY, COLOUR AND SHADE SHALL BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USING) OVER CEMENT MORTOR 1:3 (ONE OF CEMENT AND THREE OF CRUSHED STONE SAND) 20MM THICK INCLUDING FIXING IN POSITION, CUTTING THE TILES TO THE REQUIRED SIZE WHEREVER NECESSARY, POINTING THE JOINTS WITH GROUT (TILE JOINT FILLER) , CURING, FINISHING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.	1012.20	461765.64
19	50.20 Sq.M.	SUPPLYING AND LAYING OF CERAMIC TILES (ANTI SKID) OF BEST APPROVED QUALITY FOR FLOORING AND OTHER SIMILAR WORKS (THE COLOUR AND SHADE SHALL BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USING) OVER CEMENT MORTOR 1:3 (ONE OF CEMENT AND THREE OF CRUSHED STONE SAND) 20MM THICK INCLUDING FIXING IN POSITION, CUTTING THE TILES TO THE REQUIRED SIZE WHEREVER NECESSARY, POINTING THE JOINTS WITH GROUT (TILE JOINT FILLER) , CURING, FINISHING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE BRAND AND QUALITY OF TILES SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE).	1012.20	50812.44
20	80.00 Sq.M.	SUPPLYING AND FIXING OF COLOUR GLAZED TILES OF BEST APPROVED QUALITY (THE COLOUR AND SHADE SHALL BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USING) OVER CEMENT PLASTERING IN CM 1:2 (ONE OF CEMENT AND TWO OF CRUSHED STONE SAND) 10MM THICK INCLUDING FIXING IN POSITION, CUTTING THE TILES TO THE REQUIRED SIZE WHEREVER NECESSARY, POINTING THE JOINTS WITH GROUT (TILE JOINT FILLER) , CURING, FINISHING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE BRAND AND QUALITY OF TILES SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE).	1140.88	91270.40

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
21	6.00 Cu.M.	BRICK WORK IN CEMENT MORTAR 1:6 (ONE OF CEMENT AND SIX OF CRUSHED STONE SAND) USING KILN BURNT COUNTRY BRICKS OF SIZE 8 ³ / ₄ "X4 ¹ / ₄ "X2 ³ / ₄ " (22X11X7) 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 RESPECT COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS AND DRAWINGS.. (d) IN THIRD FLOOR	6139.77	36838.62
22	208.00 Rmt.	SUPPLYING, LAYING, FIXING AND JOINTING 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 PVC/GI SPECIALS /GM SPECIALS LIKE ELBOW, TEE REDUCERS, PLUG, UNION, BEND, COUPLER, NIPPLE/ GM GATE VALVE, CHECK AND WHEEL VALVE ETC., WHEREVER REQUIRED ABOVE THE GROUND LEVEL INCLUDING THE COST OF TEFLON TAPE, 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. (a) 25MM ASTM D SCHEDULE 40 THREADED PVC PIPE WITH NECESSARY PVC/GI SPECIALS	192.57	40054.56
	350.00 Rmt.	(b) 32MM ASTM D SCHEDULE 40 THREADED PVC PIPE WITH NECESSARY PVC/GI SPECIALS	209.32	73262.00
23	45 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR 5 AMPS 5 PIN PLUG SOCKET POINT AT SWITCH BOARD ITSELF INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), SPECIALS ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	577.75	25998.75

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			RATE	AMOUNT
24	480.00 Rmt.	RUN OFF MAIN WITH 2 WIRES OF 1.5 SQ.MM. PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS: 694/1990, 1.1 KV GRADE CABLE WITH CONTINUOUS EARTH BY MEANS OF 1.5 SQ.MM PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS: 694/1990, 1.1. K.V. GRADE CABLE FOR OPEN WIRING WITH 19MM/20MM DIA RIGID PVC CONDUIT PIPE HEAVY DUTY WITH ISI MARK COST OF ALL MATERIALS, SPECIALS ETC., ALL COMPLETE.	106.00	50880.00
25	435.00 Rmt.	RUN OFF MAIN WITH 2 WIRES OF 2.5 SQ.MM. PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS: 694/1990, 1.1 KV GRADE CABLE WITH CONTINUOUS EARTH BY MEANS OF 2.5 SQ.MM PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS: 694/1990, 1.1. K.V. GRADE CABLE FOR OPEN WIRING WITH 19MM/20MM DIA RIGID PVC CONDUIT PIPE HEAVY DUTY WITH ISI MARK COST OF ALL MATERIALS, SPECIALS ETC., ALL COMPLETE.	121.00	52635.00
26	60 NOS.	SUPPLYING AND FIXING OF 9 WATTS LED BULB OF BEST QUALITY INCLUDING COST OF MATERIAL AND FIXING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE QUALITY OF THE 9 W LED LAMP SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE)	81.00	4860.00
27	45 NOS.	SUPPLYING AND FIXING OF 12 WATTS LED BULB FOR BULK HEAD FITTINGS OF BEST QUALITY INCLUDING COST OF MATERIAL AND FIXING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE QUALITY OF THE 12 WATTS LED LAMP SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE)	170.00	7650.00
28	60 NOS.	SUPPLYING AND FIXING OF 4'18 WATTS CRYSTAL LED TUBE LIGHT AND FIXING THE TUBE LIGHT FITTINGS ON TEAK WOOD ROUND BLOCKS OF 75MM DIA OR 40MM DEEP SUSPENDED FROM CEILING OR MOUNTED ON THE WALL INCLUDING COST OF ALL MATERIALS AND LABOUR FOR FIXING IN POSITION ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE ENTIRE TUBE LIGHT FITTINGS SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE)	635.00	38100.00

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
29	60 NOS.	SUPPLYING AND DELIVERY OF FOLLOWING ELECTRIC CEILING FAN WITH ISI MARK WITH BLADES AND DOUBLE BALL BEARING, CAPACITOR, ETC., COMPLETE WITH 300MM DOWN ROD, CANOPIES, CAPACITOR, SHACKLE BLADES WITH ELECTRONIC DIMMER SUITABLE FOR OPERATION ON 230 VOLTS 50 HTZ SINGLE PHASE AC SUPPLY CONFORMING TO ISS NO.374/79 AND PROVIDED WITH INSULATION. (THE BRAND SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE SUPPLY MADE). (a) 48" ELECTRIC FAN 1200MM SWEEP	1284.00	77040.00
30	60 NOS.	CHARGES FOR ASSEMBLING AND FIXING OF CEILING FAN OF DIFFERENT SWEEP WITH NECESSARY CONNECTIONS AND FIXING OF FAN REGULATOR ON THE EXISTING BOARD ETC., ALL COMPLETE (EXCLUDING COST OF FAN)	467.00	28020.00
31	7 NOS.	SUPPLYING AND FIXING OF INDIAN WATER CLOSET WHITE GLAZED (ORIYA TYPE) OF SIZE 580MMX440MM OF APPROVED MAKE WITH ISI MARK (TO BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE) WITH PVC SWR GRADE P OR S TRAP INCLUDING CONCRETE PACKING, FILLING PORTION WITH EARTH, FLOORING THE AREA WITH 75MM THICK BRICK JELLY CONCRETE IN CC 1:8:16 (ONE OF CEMENT, EIGHT OF CRUSHED STONE SAND AND SIXTEEN OF BRICK JELLY) USING 40MM SIZE BRICK JELLY AND TOP LEFT ROUGH TO RECEIVE THE FLOOR PLASTERING BUT INCLUDING ANTISYPHONAGE CONNECTION, CURING, ETC. ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS (IN GROUND FLOOR)	2842.45	19897.15
32	8 NOS.	SUPPLYING AND FIXING OF INDIAN WATER CLOSET WHITE GLAZED (ORIYA TYPE) OF SIZE 580MMX440MM OF APPROVED MAKE WITH ISI MARK (TO BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE) WITH PVC SWR GRADE P OR S TRAP INCLUDING CONCRETE FILLING THE SUNK PORTION WITH BRICK JELLY LIME CONCRETE PROPORTION OF BRICK JELLY TO LIME BEING 32:12½ BY VOLUME (32 CFT OF 20MM GAUGE BRICK JELLY AND 12 ½ CFT OF SLAKED LIME) (NO SAND) AND TOP 75MM THICK BRICK JELLY CONCRETE IN CC 1:8:16 (ONE OF CEMENT, EIGHT OF CRUSHED STONE SAND AND SIXTEEN OF BROKEN BRICK JELLY) USING 40MM SIZE BRICK JELLY INCLUDING PLASTERING THE SIDES OF SUNK PORTION IN CM 1:3	4450.03	35600.24

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
		(ONE OF CEMENT AND THREE OF CRUSHED STONE SAND) 12MM THICK MIXED WITH WATER PROOFING COMPOUND AT 2KG/SQM AND TOP LEFT ROUGH TO RECEIVE THE FLOOR PLASTERING BUT INCLUDING ANTISYPHONAGE CONNECTION, ONE COAT OF BITUMEN FOR THE SIDES, BOTTOM AND CURING ETC., COMPLETE IN ALL FLOORS. (OTHER THAN GROUND FLOOR)		
33	15 NOS.	SUPPLYING AND FIXING OF PORCELIN WASH HAND BASIN (WHITE), SUPERIOR VARIETY OF SIZE 550X400MM WITH ALL ACCESSORIES SUCH AS POWDER COATED CAST IRON BRACKETS, 32MM DIA C.P. WASTE COUPLING, RUBBER PLUG AND ALUMINIUM CHAIN, 32MM DIA 'B' CLASS G.I. PVC WASTE PIPE, ANGLE VALVE, 15MM DIA NYLON CONNECTION, 15MM DIA BRASS NIPPLES, 15MM C.P. PILLAR TAP & REQUIRED GRATING ETC., COMPLETE IN ALL RESPECTS (WASH HAND BASIN SHALL BE GOT APPROVED BY THE EXECUTIVE ENGINEER BEFORE FIXING).	2943.82	44157.30
34	30 NOS.	SUPPLYING AND FIXING OF 15MM DIA C.P LONG BODY TAP OF BEST QUALITY INCLUDING COST OF FITTINGS WITH REQUIRED SPECIALS, BENDS, LABOUR FOR FIXING ETC, ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS., (THE QUALITY AND BRAND OF FITTINGS SHOULD BE GOT APPROVED FROM EXECUTIVE ENGINEER BEFORE USE).	300.00	9000.00
35	30 NOS.	SUPPLYING AND FIXING OF 15MM DIA C.P SHORT BODY TAP OF BEST QUALITY INCLUDING COST OF FITTINGS WITH REQUIRED SPECIALS, BENDS, LABOUR FOR FIXING ETC, ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS., (THE QUALITY AND BRAND OF FITTINGS SHOULD BE GOT APPROVED FROM EXECUTIVE ENGINEER BEFORE USE).	250.00	7500.00
36	73.00 Sq.M.	WHITE WASHING THREE COATS USING CLEAN SHELL LIME SLAKED INCLUDING COST OF LIME, GUM, BLUE, BRUSHES, INCLUDING SCAFFOLDING ETC., COMPLETE IN ALL RESPECTS.	35.14	2565.22

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			RATE	AMOUNT
37	11.40 Sq.M.	SUPPLYING AND FIXING OF BEST INDIAN TW SINGLE LEAF PANELLED DOOR SHUTTERS USING 9 MM THICK PHENOL BONDED BWR GRADE PLYWOOD AS PER IS 303-1989 (GENERAL) WITH IS 5539-1969 (FOR PRESERVATIVE TREATMENT AND IS 848 –1974 (FOR ADHESIVES) WITH RELEVANT IS SPECIFICATION AND ITS LATEST AMENDMENTS FOR SHUTTERS WITH 75MMX37.50MM TEAK WOOD STYLES AND 3 NOS. OF 150X37.50 MM TW RAILS (TOP, BOTTOM AND LOCK RAILS) USING THE ABOVE PANELS INCLUDING LABOUR CHARGES AND COST OF ALUMINIUM FURNITURE FITTINGS AS PER SCHEDULE 'E' WITH BRASS SCREWS AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS (THE QUALITY OF BWR GRADE PLYWOOD AND ALUMINIUM FURNITURE FITTINGS SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE). SUITABLE FOR DOOR OF SIZE (a) 900 X 2100MM	3263.68	37205.95
38	99.00 Rmt.	RUN OFF MAIN WITH 2 WIRES OF 4 SQ.MM. PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS: 694/1990, 1.1 KV GRADE CABLE WITH CONTINUOUS EARTH BY MEANS OF 4 SQ.MM PVC INSULATED SINGLE CORE MULTI STRAND FIRE RETARDANT FLEXIBLE COPPER CABLE WITH ISI MARK CONFORMING TO IS: 694/1990, 1.1. K.V. GRADE CABLE FOR OPEN WIRING WITH 19MM/20MM DIA RIGID PVC CONDUIT PIPE HEAVY DUTY WITH ISI MARK COST OF ALL MATERIALS, SPECIALS ETC., ALL COMPLETE.	145.60	14414.40
39	73.00 Sq.M.	CHIPPING OF CONCRETE AND ROUGHENING THE SURFACE 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.	27.60	2014.80
40	73.00 Sq.M.	SPECIAL CEILING PLASTERING IN CEMENT MORTAR 1:3 (ONE OF CEMENT AND THREE OF CRUSHED STONE SAND) 10MM THICK FOR BOTTOM OF ROOF, STAIR, WAIST, LANDING AND SUNSHADES IN ALL FLOORS FINISHED WITH NEAT CEMENT INCLUDING HACKING THE AREAS, PROVIDING BAND CORNICE, SCAFFOLDING, CURING ETC., COMPLETE	231.96	16933.08

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
41	60 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR LIGHT POINT WITH CEILING ROSE CONTROLLED BY 5 AMPS FLUSH TYPE SWITCH INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	244.99	14699.40
42	60 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR LIGHT POINT WITH BAKELITE BATTERN TYPE HOLDER FOR FLATS / HOUSES CONTROLLED BY 5 AMPS FLUSH TYPE SWITCH INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), SPECIALS ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	247.99	14879.40
43	15 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR POINT WIRING WITH CALLING BELL / BUZZER WITH PUSH TYPE SWITCH FOR ALL TYPE OF BUILDINGS INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	289.06	4335.90
44	45 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR FAN POINT CONTROLLED BY 5 AMPS FLUSH TYPE SWITCH INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	342.79	15425.55
45	8 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR STAIRCASE LIGHT POINT CONTROLLED BY 5 AMPS FLUSH TYPE SWITCH INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	664.28	5314.24

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
46	30 POINTS	THE EXISTING ELECTRICAL BOX COVERED WITH 3MM THICK LAMINATED HYLEM SHEET FOR 5 AMPS 5 PIN PLUG SOCKET POINT AT CONVENIENT PLACES INCLUDING CIRCUIT MAINS, COST OF ALL MATERIALS (EXCLUDING OF PVC CONDUIT PIPE AND 1.5 SQMM PVC INSULATED FLEXIBLE COPPER CABLE), ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (OPEN WIRING)	183.40	5502.00
47	60.00 Rmt.	SUPPLYING, LAYING AND JOINTING THE FOLLOWING DIA UPVC NON PRESSURE PIPE OF SN8 SDR 34 (S 16.5) AS PER IS 15328/2003 , SUPERIOR VARIETY AND TESTED WITH WATER INCLUDING NECESSARY EARTH WORK EXCAVATION FOR TRENCHES AND REFILLING THE SAME, WELL RAMMED AND CONSOLIDATED AFTER THE PIPES ARE JOINTED AND LAID TO PROPER GRADIENT TO THE ALIGNMENT AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS (SN8 SDR 34 (S 16.5) AS PER IS 15328/2003 SHOULD BE GOT APPROVED BY THE EXECUTIVE ENGINEER.,/ SUPERINTENDING ENGINEER.,/ CHIEF ENGINEER., BEFORE USE IN WORKS) (a) 110MM DIA UPVC NON PRESSURE PIPE	347.52	20851.20
	25.00 Rmt.	(b) 160MM DIA UPVC NON PRESSURE PIPE	574.83	14370.75
48	3 NOS.	SUPPLYING AND FIXING OF FOLLOWING DIA OF PVC BEND FABRICATED 6 KSC PVC SPECIALS AS PER IS 10124/1982 PART II INCLUDING COST OF MATERIAL AND LABOUR CHARGES FOR FIXING ETC., ALL COMPLETE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE QUALITY AND BRAND OF PVC BEND SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE). (a) 110MM DIA PVC BEND	106.60	319.80
	2 NOS.	(b) 160MM DIA PVC BEND	118.30	236.60
49	6.00 Sq.M.	SUPPLYING AND FIXING OF 4 MM THICK PIN HEADED GLASS PANELS WITH ALUMINIUM ANODIZED 'U' SHAPE BEADING OF SIZE 12X12 MM WITH 107 GRAM IN AVERAGE WEIGHT FOR 1 M LENGTH WITH ALUMINIUM BOLTS AND NUTS FOR THE SHUTTERS OF THE STEEL WINDOWS ALREADY SUPPLIED TO SUIT ALL THE SIZE AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS. (THE QUALITY OF GLASS AND ALUMINIUM BEEDING SHOULD BE GOT APPROVED FROM THE EXECUTIVE ENGINEER BEFORE USE)	688.20	4129.20

SL.NO	QUANTITY	DESCRIPTION OF WORK	Estimate Rate 2020-2021	
			RATE	AMOUNT
50	24.60 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	751.65	18490.59
	40.40 Sq.M.	d) VERTICAL WALLS	826.82	33403.53
51	14.40 Cu.M.	EARTH WORK EXCAVATION FOR FOUNDATION IN ALL SOILS AND SUB-SOILS TO THE REQUIRED DEPTH AS MAY BE DIRECTED EXCEPT IN HARD ROCK REQUIRING BLASTING BUT INCLUSIVE OF SHORING, STRUTTING, AND BAILING OUT WATER WHEREVER NECESSARY AND REFILLING THE SIDES OF FOUNDATION WITH EXCAVATED EARTH IN 150MM THICK LAYERS WELL WATERED RAMMED AND CONSOLIDATED AND DEPOSITING THE SURPLUS EARTH IN PLACES SHOWN CLEARING AND LEVELLING THE SITE WITH AN INITIAL LEAD OF 10 METRES AND LIFT AS SPECIFIED HERE UNDER ETC. COMPLETE IN ALL RESPECTS COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS. (INCLUDING REFILLING) a) 0 TO 2M DEPTH	177.77	2559.89
52	3.60 Cu.M.	PLAIN CEMENT CONCRETE 1:5:10 (ONE OF CEMENT, FIVE OF CRUSHED STONE SAND AND TEN OF HARD BROKEN STONE JELLY) FOR FOUNDATION AND BASEMENT USING 40MM GAUGE HARD BROKEN STONE JELLY INCLUSIVE OF SHORING, STRUTTING AND BAILING OUT WATER WHEREVER NECESSARY RAMMING, CURING ETC., COMPLETE IN ALL RESPECTS COMPLYING WITH RELEVANT STANDARD SPECIFICATIONS AND AS DIRECTED BY THE DEPARTMENTAL OFFICERS.	4683.66	16861.18

SL.NO	QUANTITY		DESCRIPTION OF WORK	Estimate Rate 2020-2021	
				RATE	AMOUNT
53	7.00 Cu.M.		BRICK WORK IN C.M 1:5 (ONE OF CEMENT AND FIVE OF CRUSHED STONE SAND) USING COUNTRY BRICKS OF SIZE 22X11X7CM IN FOUNDATION AND BASEMENT INCLUDING DEWATERING WHEREVER NECESSARY PROPER SETTING, CURING ETC., COMPLETE WITH RELEVANT STANDARD SPECIFICATIONS.	5792.27	40545.89
54	43.90 Sq.M.		PLASTERING WITH CM 1:4 (ONE OF CEMENT AND FOUR OF CRUSHED STONE SAND) 12MM THICK FINISHED WITH NEAT CEMENT INCLUDING PROVIDING BAND CORNICE, CEILING CORNICE, CURING, SCAFFOLDING ETC., COMPLETE IN ALL RESPECTS AND COMPLYING WITH STANDARD SPECIFICATIONS.	210.63	9246.66
55	9.00 Sq.M.		SUPPLYING AND FIXING OF PRECAST CEMENT CONCRETE SLAB FOR CUPBOARD/WARD ROBES SHELVES, COVER SLAB FOR CHAMBERS, BAFFLE WALLS SIDE SLABS OF BOXING AROUND WINDOWS AND OTHER SIMILAR WORKS IN STANDARDISED CONCRETE MIX M-20 GRADE IN ACCORDANCE WITH IS: 456 - 2000 USING CRUSHED STONE SAND AND 3 TO 10MM THICK HARD BROKEN STONE JELLY FOR THE ABOVE RCC ITEMS OF WORKS 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 (MEASUREMENT WILL BE TAKEN INCLUDING BEARING IN WALL ALSO). 40MM THICK a). IN FOUNDATION AND BASEMENT	1297.56	11678.04
			SUB TOTAL - I		2113239.43
			REBATE		
			SUB TOTAL - II		2113239.43
			GST @12%		253588.73
			TOTAL		2366828.16
			LESS AMOUNT		
			LESS PERCENTAGE		