

**Bill of quantity for the work Complete annual maintenance of Officer's colony, Checkpost colony, Jarjara colony, Bagraiya colony, Thana colony and LCH type of Urimari under Urimari project, Barkasayal Area.**

S.N.	Description of Item	Qty.	Unit	UPDATED RATE	Amt(Rs.)
1	<b>PART A (MANAGEMENT TEAM) -</b> Deployment of Facility Manager for heading the entire team and single point of contact & overall incharge of FM on site operators and reporting to Engineer-in-charge or his representative. (Note: Facility Manager is to be deployed on monthly basis only)	730.00	Day	1020.55	745001.50
2	<b>PART-B (AMC FOR QUARTER REPAIRING) -</b> Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	180.00	cum	188.45	33921.00
3	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:4:8 (1cement : 4 fine sand : 8graded stone aggregates 40 mm nominal size).	32.50	cum	5167.75	167951.88
4	Brick work with FPS bricks of class designation 50 in foundation and plinth using cement mortar 1:6 (1cement : 6coarse sand).	283.75	cum	5322.15	1510160.06
5	Brick work with FPS bricks of class designation 50 in superstructure above plinth level up to floor V level in all shapes and sizes incement mortar 1:6 (1cement : 6coarse sand).	128.13	cum	6494.75	832172.32
6	Half brick masonry with FPS bricks of class designation 50 in foundation and plinth in cement mortar 1:4 (1cement : 4coarse sand).	675.00	sqm	673.45	454578.75

7	Providing and fixing anodized aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of the gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angles, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws all complete as per architectural drawings and the direction of Engineer-in-charge. (Glazing and paneling to be paid for separately): For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including cost of PVC / Neoprene gasket required (fittings shall be paid for separately): Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15).	473.28	kg	434.00	205403.52
8	Steel work in riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	24100.00	kg	92.55	2230455.00
9	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	90.00	sqm	1575.70	141813.00
10	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 25 mm thick (for cupboard) including ISI marked nickel plated bright	48.00	sqm	1530.60	73468.80

	finished M.S. piano hinges with necessary screws				
11	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm	5.00	sqm	757.10	3785.50
12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below	200.00	each	218.95	43790.00
13	Demolishing cement concrete manually / by mechanical means including disposal of materials within 50m lead as per direction of Engineer-in-charge: 1:3:6 or richer mix.	220.00	cum	1412.40	310728.00
14	Cement concrete flooring 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate.	5500.00	sqm	452.50	2488750.00
15	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	1000.00	sqm	32.00	32000.00
16	12 mm cement plaster of mix : 1:6 (1cement: 6fine sand)	3725.00	sqm	217.70	810932.50
17	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	10.00	cum	6490.90	64909.00
18	12mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1cement : 4fine sand).	480.00	sqm	284.75	136680.00
19	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	50.00	cum	1194.45	59722.50
20	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	300.00	metre	262.40	78720.00

21	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° 110 mm bend	60.00	each	114.60	6876.00
22	Providing and fixing on wall face unplasticized PVC – moulded fittings / accessories for unplasticized rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring confirming to IS: 5382 leaving 10mm gap for thermal expansion: Shoe (Plain): 110mm shoe.	10.00	each	100.65	1006.50
23	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length,including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete. 110 mm	150.00	600	234.80	35220.00
24	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound ) content less than 50 gram/ litre, of approved brand and of required said and colour complete to give and even said. Old work (one or more coats)	25219.60	sqm	38.55	972215.58
25	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	1687.95	sqm	99.90	168626.21
26	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	5341.71	sqm	65.65	350683.26
27	Finishing walls with water proofing cement paint of required shade: Old work (one or more coats applied @ 2.20 kg / 10 sqm) over priming coat of primer applied @ 0.80 litres / 10 sqm complete including cost of priming coat.	10200.00	sqm	72.30	737460.00
28	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	300.00	kg	145.60	43680.00

29	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. (CPWD DSR'14 Item No. 12.50)	81.00	sqm	571.00	46251.00
30	Providing non asbestos high impact polypropylene reinforced cement 6mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8 mm dia, GI plain and bitumen washers or with self drilling fastener and EPDM washers etc complete excluding the cost of purlins, rafters and trusses: corrugated sheets and including cutting to size and shape wherever required.	405.00	sqm	389.10	157585.50
31	Dismantling roofings including ridges, hips, valleys and gutters etc. including stacking of materials within 50 metres lead of Asbestos Sheet.	405.00	sqm	45.80	18549.00
32	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of : G.S. Sheet.	81.00	sqm	97.70	7913.70
33	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2500.00	sqm	98.45	246125.00

34	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	50.00	sqm	762.80	38140.00
35	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	100.00	sqm	871.30	87130.00
36	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm.	10.00	sqm	2150.80	21508.00
37	Providing and fixing wire gauge shutters using galvanized M.S. wire gauge of average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm, for doors, windows and clerestory windows with hinges and necessary screws : 30 mm thick shutters with ISI marked M.S. pressed butt hinges bright finished of required size.Second class teak wood	50.00	sqm	3208.30	160415.00
38	Removal of old tarfelt and disposal of debris with all leads complete job as per direction of Engineer in charge.	600.00	sqm	53.85	32310.00

39	Grading roof for water proofing treatment with: Cement mortar 1:4 (1cement : 4coarse sand)	6.00	cum	9919.90	59519.40
40	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 3 mm thick	600.00	sqm	443.70	266220.00
41	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	1600000.00	litre	0.30	480000.00
42	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete: White solid plastic seat with lid.	30.00	each	509.20	15276.00

43	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shape with 6mm thick hard board backing: Rectangular shape 453x357 mm.	200.00	each	919.10	183820.00
44	White washing with lime to give an even shade: Old work (two or more coats).	1500.00	sqm	14.30	21450.00
45	Colour washing one coat over old surface with approved quality of lime in approved shade including.	12920.75	sqm	23.44	302862.38
46	Structural Steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	300.00	kg	77.95	23385.00
47	20mm cement plaster of mix: 1:4 (1cement : 4coarse sand).	500.00	sqm	317.40	158700.00
48	6mm cement plaster of mix 1:3 (1cement : 3 fine sand).	500.00	sqm	195.85	97925.00
49	lettering with black Japan paint of approved brand and manufacture.	3000.00	Per letter per centimeter height	3.70	11100.00
50	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Area of slab over 0.50 sqm	50.00	sqm	3701.15	185057.50
51	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	10.00	sqm	1180.40	11804.00



52	PART-C (WATER SUPPLY & SANITATION) - Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board 470x420 mm bowl depth 178 mm.	50.00	each	2437.30	121865.00
53	Providing and fixing white vitreous china water closet squatting pan (Indian type) : Orissa pattern W.C. pan of size 580x440 mm	50.00	each	2294.00	114700.00
54	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	30.00	each	1986.20	59586.00
55	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	50.00	each	1458.10	72905.00
56	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	80.00	each	863.00	69040.00
57	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall : 20 mm dia nominal bore (CPWD DSR'14, Item No. 18.10.2)	100.00	metre	302.85	30285.00
58	Providing and fixing G.I. pipes complete with G.I. fittings and clamps including cutting and making the walls etc. Internal work - Exposed on wall: 25 mm nominal bore.	200.00	metre	403.20	80640.00
59	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work : 50 mm dia nominal bore.	500.00	metre	543.40	271700.00
60	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in	200.00	metre	217.35	43470.00

	Charge. External work : 20 mm nominal outer dia Pipes				
61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External work : 25 mm nominal outer dia Pipes.	100.00	metre	298.65	29865.00
62	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	20.00	each	462.15	9243.00
63	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore.	30.00	each	762.45	22873.50
64	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	40000.00	per litre	8.40	336000.00
65	Providing and fixing PTMT bib cock of approved quality and colour: 15 mm nominal bore, 86 mm long weighing not less than 88 gms.	100.00	each	95.35	9535.00
66	Providing and fixing PTMT stop cock of approved quality and colour: 15 mm nominal bore, 86 mm long weighing not less than 88 gms.	100.00	each	89.55	8955.00
67	Providing and fixing unplasticised PVC connection pipe with brass unions: 30 cm length 15 mm nominal bore.	100.00	each	64.95	6495.00
68	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete: Flexible pipe 40 mm dia.	100.00	each	90.60	9060.00
69	Providing and fixing PTMT pillar cock of approved quality and colour: 15 mm nominal bore, 107 mm long, weighing not less than 110 gms.	50.00	each	156.95	7847.50
70	Providing and fixing P.T.M.T. towel rail complete with brackets fixed to wooden cleats with C.P. brass screws with concealed fittings arrangement of approved quality and colour: 450mm long towel rail with total length of 495mm, 78mm wide and effective height of 88mm weighing not less than	50.00	each	447.40	22370.00

	170gms.				
71	Providing and fixing C.P. brass bib cock of approved quality confirming to IS: 8931: 15mm nominal bore.	30.00	each	376.95	11308.50
72	Providing hoisting and fixing up to floor five level pre-cast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the likes including the cost of required centering and shuttering finishing smooth with 6mm thick cement plaster 1:3 (1cement: 3fine sand) on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1cement : 2coarse sand : 4graded stone aggregates 20mm nominal size).	8.40	cum	8356.10	70191.24
73	Reinforcement for RCC work including straightening, cutting, bending, binding and placing in position complete: Thermo Mechanically Treated bars.	672.00	kg	75.85	50971.20
74	Brick work with FPS bricks of class designation 50 in foundation and plinth using cement mortar 1:6 (1cement : 6coarse sand).	29.70	cum	5322.15	158067.86
75	12mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1cement : 4fine sand).	168.30	sqm	284.75	47923.43
76	Supplying labours, tools and tackles for cleaning filled and choaked man hole, septic tank, inspection-chamber, gullay pits, sewerage tank etc. in all lift and disposal of spoils upto a lead of 50M all complete as per specification and direction of Engineer-in-charge.	216.00	cum	1211.65	261716.40
77	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work: 80 mm nominal bore.	300.00	metre	768.15	230445.00
78	Providing and fixing G.I. union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new work): 50mm nominal bore.	30.00	each	583.35	17500.50
79	Providing and fixing G.I. union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new work): 80mm nominal bore.	30.00	each	891.15	26734.50

80	Providing and fixing C.I. sluice valve (with cap) complete with nuts, bolts, rubber insertions etc. (the tail piece if required will be paid separately) : 100mm diameter Class II.	10.00	each	3830.40	38304.00
81	Providing and fixing C.I. sluice valve (with cap) complete with nuts, bolts, rubber insertions etc. (the tail piece if required will be paid separately) : 125mm diameter Class II.	5.00	each	4610.45	23052.25
82	Excavating trenches of required width for pipes cables etc. including excavation for sockets and dressing of sides and ramming of bottoms depth up to 1.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20 cm in depth including consolidation of each deposited layer by ramming , watering etc. and disposing of surplus excavated soil as directed within 50 m lead. (Pipes and cables etc. not exceeding 80 mm dia.) (All kinds of soil)	300.00	metre	143.10	42930.00
83	Excavating trenches of required width for pipes cables etc. including excavation for sockets and dressing of sides and ramming of bottoms depth up to 1.5 m including getting out the excavated soil and then returning the soil as required in layers not exceeding 20 cm in depth including consolidation of each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within 50 m lead. (Pipes and cables etc. exceeding 80 mm dia. but not exceeding 300mm in dia.) (All kinds of soils).	300.00	metre	233.70	70110.00
84	Welding by gas or electric plant including transportation of plant at site etc. complete.	20000.00	cm	2.95	59000.00
85	Providing and fixing bolts including nuts and washers complete.	150.00	kg	111.65	16747.50
86	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 80 mm nominal bore.	20.00	each	1933.85	38677.00

87	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine. (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.	2051.04	sqm	53.75	110243.40
88	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	800.00	cum	188.45	150760.00
89	Supplying of Sprindle 100mm dia as per instruction of EIC	30.00	each	4025.00	120750.00
90	Supplying of Sprindle 80mm dia as per instruction of EIC	60.00	each	3450.00	207000.00
91	Supplying Sprindle 50mm dia as per instruction of EIC	60.00	each	2875.00	172500.00
92	Providing and fixing HDPE pipes including all joining of pipes & testing of joints complete as per direction of EIC: 80 mm nominal outer dia pipes.	250.00	metre	156.56	39140.00
93	Providing and fixing HDPE pipes including all joining of pipes & testing of joints complete as per direction of EIC: 50 mm nominal outer dia pipes.	250.00	metre	128.81	32202.50
94	Providing and fixing HDPE pipes including all joining of pipes & testing of joints complete as per direction of EIC: 25 mm nominal outer dia pipes.	200.00	metre	49.54	9908.00
95	Providing and fixing HDPE pipes including all joining of pipes & testing of joints complete as per direction of EIC: 25 mm nominal outer dia pipes.	200.00	metre	41.62	8324.00

96	PART-D (SWEEPING AND CLEANING OF COLONY) - Brooming and cleaning of all roads in colony and within the premises of service buildings and other places as required with all tools & tackles and stacking the garbage at specified places as per instruction of Engineer-in-charge.	1419600.00	sqm	0.25	354900.00
97	Cleaning all type of roofs including of dry leaves, weedings, and cleaning dram holes, brooming etc all complete with tools & tackles and stacking the garbages at specified place as per direction of Engineer-in-charge.	27104.00	sqm	0.30	8131.20
98	Cleaning of surface drain including disposal of muck, sludge through trolley or other arrangement at a specified place (in no case it should be kept on drain bank) within a lead of 1 KM with all tolls and tackles complete as per instruction of Engineer-in-charge. Upto 300 mm wide drain.	255840.00	metre	2.50	639600.00
99	Cleaning of surface drain including disposal of muck, sludge through trolley or other arrangement at a specified place (in no case it should be kept on drain bank) within a lead of 1 KM with all tolls and tackles complete as per instruction of Engineer-in-charge. Upto 300 mm to 600 mm wide drain.	211120.00	metre	3.10	654472.00
100	Carriage of material by mechanical transport including loading, unloading and stacking: Lime, moorum, building rubbish with one km lead.	2021.76	cum	168.10	339857.86
101	Cleaning grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	20000.00	sqm	5.20	104000.00
102	Fooging with smoker mixed with diesel @ 8 ml smoker with one litre of diesel twice per month as per direction of Engineer-in-charge (treatment to be done using spray machine along with proper safety provisions for sprayer like mask etc).	384.00	hour	781.00	299904.00
103	General pest control with Malathion 50% EC and Nuvan 75% EC (2 ml Malathion & 6 ml Nuvan to be mixed with 1 litre water) for inddor as well as outdoor treatment once in a month as per direction of Engineer-in-charge. (Treatment to be done using spray machine along with proper safety provisions like mask etc.)	4000.00	Sqm	0.61	2440.00

104	Cleaning of septic tanks by bailing out the sludge , water by diesel engine equipments with high pressure jet cleaners and removing the sludge etc from the tanks and disposal of the same by mechanical transportation using covered tanks without disturbing the public life as per directed by Engineer In charge . - For 20 User	30.00	Each	4065.25	121957.50
105	Cleaning of septic tanks by bailing out the sludge , water by diesel engine equipments with high pressure jet cleaners and removing the sludge etc from the tanks and disposal of the same by mechanical transportation using covered tanks without disturbing the public life as per directed by Engineer In charge - For 50 User	30.00	Each	9292.00	278760.00
106	PART E (AMC for 15th August, 26th January, Durga Puja) - Colour washing one coat over old surface with approved quality of lime in approved shade including.	3000.00	sqm	23.44	70320.00
107	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	1000.00	sqm	65.65	65650.00
108	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	20000.00	sqm	10.20	204000.00
109	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil.	20000.00	sqm	19.75	395000.00
110	Finishing walls with water proofing cement paint of required shade: Old work (one or more coats applied @ 2.20 kg / 10 sqm) over priming coat of primer applied @ 0.80 litres / 10 sqm complete including cost of priming coat.	3000.00	sqm	72.30	216900.00
111	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer, of required shade and colour all complete: New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	3000.00	sqm	115.00	345000.00

112	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coat applied @ 1.67 ltr/10 sqm) on existing cement paint surface	3000.00	sqm	87.55	262650.00
113	PART F (AMC for Boring) - Lifting of 7.50 / 10.00 HP submersible pump-motor set from deep bore well with rigid PVC pipe of 50 mm dia including all accessories etc. complete including stacking all materials as per instruction of Engineer-in-charge.	20.00	Job	4055.70	81114.00
114	Lowering and commissioning of 7.50 / 10.00 HP submersible pump-motor set in deep bore well with rigid PVC pipe of 50 mm dia with all accessories etc. complete including cost of labour, tools & plant & machineries but excluding the cost of pump, motor, cable, rigid PVC pipe, control panel etc. which will be paid separately.	20.00	Job	4055.70	81114.00
115	Providing rigid PVC pipe of 50 mm outer dia conforming to IS: 4985 (6kgf / sqcm) as per instruction of Engineer-in-charge.	144.00	metre	290.40	41817.60
116	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work: 50 mm nominal bore.	260.00	metre	543.40	141284.00
117	Providing of Nylon rope 12 mm dia for holding the submersible pump-motor set as per instruction of Engineer-in-charge.	240.00	metre	56.65	13596.00
118	Flusing of bore hole by drilling machine.	1800.00	Feet	116.15	209070.00
119	PART- G - MAINTENANCE SERVICES (SPECIAL EMERGENT & UNMEASURABLE). The deployment will be as per the direction of FM/AFM to meet the services of the colony. - Deployment of 1 (one) no. Plumber (skilled manpower) and 1 (one) no. helper (unskilled manpower) in general shift for day to day maintenance work related to carpentary work like repairing of door, window, fixing of door and window fittings as and when required as per instruction of EIC.	156.00	day	1458.85	227580.60
120	Deployment 01 (one) Cairpainter (skilled manpower) and 01 (one) helper (unskilled manpower) for day to day maintenance works related with plumbing works in General Shift as per instruction of Engineer-in-charge.	104.00	day	1458.85	151720.40
121	Part H ( Supply Items ) - Supply of 15 mm dia CP pillar cock (weight not less than 350 grams) of approved quality as per direction of EIC.	30.00	each	1279.60	38388.00



122	Supply of 2 way bib cock 15 mm nominal size with wall flange JAQUAR make or equivalent as per direction of EIC.	10.00	each	2313.15	23131.50
123	Supply of hand shower (health faucet) (ABS body) 15 mm nominal size with 1 metre long easy flex tube in chrome finish and wall hook JAQUAR make or equivalent all complete as per direction of EIC.	30.00	each	1082.75	32482.50
124	Providing PVC tank cover of approved quality as per instruction of EIC.	100.00	each	472.50	47250.00
125	Providing PVC low level cistern ballcock	30.00	each	393.75	11812.50
126	Supply of UPVC Ball Valve 25 mm	100.00	each	255.55	25555.00
127	Supply of UPVC Ball Valve 40 mm	30.00	each	522.70	15681.00
128	Supply of UPVC Ball Valve 50 mm	50.00	each	667.85	33392.50
129	Supply of Brass stop-cock 20 mm dia	50.00	each	258.75	12937.50
130	Supply of C.P. Brass bibcock 15 mm	150.00	each	454.25	68137.50
131	Supply of C.P. Brass stop cock (concealed) 15 mm	30.00	each	454.25	13627.50
132	Supply of G.I. Union 25 mm nominal bore	30.00	each	88.55	2656.50
133	Supply of G.I. Union 40 mm nominal bore	20.00	each	177.10	3542.00
134	Supply of G.I. Union 50 mm nominal bore	20.00	each	304.75	6095.00
135	Supply of Taparia 1275-18 Stillson Type Pipe Wrench or equivalent as per Instruction of Engineer In charge	5.00	each	667.75	3338.75
136	Supply of Taparia 24" pipe wrench Single Sided Pipe Wrench or equivalent as per Instruction of Engineer In charge	5.00	each	1821.00	9105.00
137	Supply of Taparia 1172-12 300mm 12 inch adjustable spanner 300mm single sided open end Wrench (pack of 10 or equivalent as per instruction of Engineer-in-charge.	5.00	each	727.40	3637.00
138	Supply of Taparia Pipe Wrench 1273 Pipe Wrench 1273 12 Inch Single Sided Pipe Wrench ( Pack of 1) or equivalent as per Instruction of Engineer In charge	5.00	each	472.50	2362.50
139	Supply of Taparia CPW04 Chain Pipe Wrench or equivalent as per Instruction of Engineer In charge	5.00	each	4083.95	20419.75
140	Supply of SKF 6306 2RS /C3- Deep Groove Ball Bearing Wheel Bearing or equivalent as per Instruction of Engineer In charge.	5.00	each	639.80	3199.00
141	Supply of BOSCH 2608003031 Compact Hacksaw Frame ( 300mm/12") Pipe & Duct Snips or equivalent as per Instruction of Engineer In charge.	5.00	each	544.35	2721.75
142	Supply of Link Atoot 40mm Lock Steel Body Hardened Shackle, made in india Padlock(Silver) or equivalent as per	10.00	each	313.00	3130.00

	Instruction of Engineer In charge.				
143	Supply of Waxpol AP-3 Lithium Multipurpose Grease NLGI-3 (500 g) Long Lasting Lubricant or equivalent as per Instruction of Engineer In charge.	20.00	each	216.55	4331.00
144	Supply of EXUBE Teflon/PTFE Gland Packing 8mm Thickness 1 Meter Long or equivalent as per Instruction of Engineer In charge.	20.00	each	388.80	7776.00
145	Electrical Parts - Wiring for light point Fan Point/Exhaust fan point/Call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S box and earthing the point with 1.5sq.mm FRLS PVC insulated copper conductor single core cable etc as required	750.00	No	791.00	593250.00
146	Wiring Circuit/sub-main wiring in PVC conduit : wiring for circuit/sub-main wiring along with earth wire with following size of PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required (2x2.5sq.mm + 1x2.5sq.mm earth wire)	1500.00	mtr	227.00	340500.00
147	Wiring Circuit/Sub-main wiring in PVC conduct: wiring for circuit / sub-main wiring along with earth wire with following size of PVC insulated copper conductor ,single core cable in surface/recessed PVC conduit as required(2x4sq.mm+1x4sq.mm earth wire)	1200.00	mtr	279.00	334800.00
148	S/F Piano type switch/Socket: Supply & fixing following piano type switch/Socket on the existing switch box/cover including connection as required (3Pin5/6 Amp. Socket) outlet.	200.00	No.	56.00	11200.00
149	200mm X 150mm X 75mm deep metal box etc. as required	80.00	No.	295.00	23600.00
150	S/F power plug point piano type accessories supply &fixing metal box of 180mm x100 x60mm deep ( Nominal Size ) on surface or recess or in recies with suitable size of phenolic laminated sheet cover in front including providing & fixing in 5/6 & 15/16 Amp Socket outlet and 15/16 Amp Piano type switch connection painting etc as required.	250.00	No.	398.00	99500.00

151	S/F ceiling rose: Supply & Fixing 3 Pin, 5 Amp Rose on the existing junction Box/ wooden box including connection etc as required.	400.00	No.	69.00	27600.00
152	S/F brass holder : Supply & Fixing brass batten / angle holder including connection etc. as required	350.00	No.	105.00	36750.00
153	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	150.00	No.	313.00	46950.00
154	Supplying and fixing 5amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.(Double Pole)	70.00	No.	565.00	39550.00
155	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 2 + 4way / 6way, Double door.	30.00	No.	1878.00	56340.00
156	Providing of 63 Amps. Switch fuse unit	12.00	No.	8200.00	98400.00
157	Copper Service wire 2core 6Sqm.	500.00	mtr	264.00	132000.00
158	Providing of 32 Amps. Switch fuse unit	40.00	No.	2100.00	84000.00
				Total Rs,	26344688.56
				GST @18%	4742043.93
				Total cost incl GST Rs.	31086732.49