

SCHEDULE

NAME OF WORK:-CONSTRUCTION OF 1ST FLOOR OF AC PLANT INCLUDING FINISHING WORK OF GROUND FLOOR,WATER RESRVOIR STAIR ETC.

Sl. No.	Item Description	Unit	Qty	Rate	Amount
1	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means overareas (Exceeding 30Cm in depth 1.5m in width as well as 10 Sq.M on Plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m disposed earth to be levelled and neatly dressed (All kinds of Soil)	Cum	50.00	114.68	5734.00
2	Supplying and filling in plinth with river sand under floors including watering ramming consolidating and dressing complete.	Cum	25.00	273.14	6828.50
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:4:8 (1 Cement : 4 sand:8 Coarse Aggregate 40mm Down)	Cum	23.50	3077.31	72316.79
4	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:1½:3 (1 Cement : 1½ sand:3 Coarse Aggregate 20mm Down)	Cum	5.00	4622.35	23111.75
5	Providing and laying Reinforced cement concrete in retaining walls return walls (any thickness) including attached pilasters Columns Piers Abutment Pillars Post Buttress string or lacing courses Parapets Coping, slab beam, staircase, bed block anchor blocks plain window sills fillets etc upto floor Five Level excluding the cost of centering and shuttering and finishing				
	CC 1:1½:3 (1 Cement:1½ Coarse Sand:3 Coarse Aggregate 20mm Down)	Cum	400.00	5019.81	2007924.00
6	Providing and laying screed concrete on the top of the roof in 1:2:4 (1 cement :2 sand : 4 stone chips 10mm down gauge) with water proofing admixture Conforming to IS:2645, and crack resistance fibre like RECRON 3S or equivalent with slope of 1 in 100 and necessary hollering as per direction of Engineer- in-charge. (minimum thickness of 75mm)	Sqm	1250.00	315.88	394850.00
7	cement concrete flooring 1:2:4 (1 cement : 2 sand: 4 coarse aggregate) finished with a floating coat of neat cement including cement slurry , but excluding the cost of nosing of steps etc. complete				
	40mm thick with 20mm nominal size stone aggregate	Sqm	1000.00	237.98	237980.00
8	Providing and laying in position Reinforced cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:2:4 (1 Cement : 2 sand:4 Coarse Aggregate 20mm Down)	Cum	4.60	4065.29	18700.33

9	PLY SHUTTERING				
	Centering and shuttering including strutting propping etc and removal of forms for:				
	Foundations footing bases of column etc for mass concrete	Sqm	100.00	110.23	11023.00
10	centering and shuttering including strutting proping etc and removal of form work for:				
	Suspended floors, roofs, landing balconies and access platform with water proof ply of 12mm thick	Sqm	1400.00	325.89	456246.00
11	Lintels beams plinth beams girders bressumers and cantilevers.with water proof ply of 12mm thick	Sq.M	400.00	329.48	131792.00
12	Extra for additional height in centering and shuttering where ever required with adequate bracing ,propping etc. including cost of de shuttering and decentering at all levels over height of 3.5m for every additional height of 1mtr or part thereof (Plan area to be measured)				
	suspended floors, roofs, landing balconies and access platform with water proof ply of 12mm thick	Sqm	250.00	89.22	22305.00
13	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement: 6 Sand)	Cum	10.00	2963.50	29635.00
14	Brick work with F.P.S bricks of class designation 75 in Super structure above plinth levell upto V floor level in all shapes and size in Cement mortar 1:6 (1cement: 6 sand)	Cum	310.00	3318.10	1028611.00
15	Half brick masonry with FPS bricks of class designation 75 in Super structure above plinth levell upto V floor level in Cement mortar 1:4 (1 cement: 4 sand)	Sqm	100.00	410.09	41009.00
16	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3sand:6 Coarse aggregate) over 75mmm thick bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth	Sqm	100.00	267.13	26713.00
17	Providing and placing reinforcement for R.C.C. work including straightining cutting bending placing in position and binding all complete.				
	Thermo Mechanically Treated Bars	Kg	57000.00	64.01	3648570.00

18	15mm cement plaster of mix 1:6 (1 cement: 6 Sand)over rough side of half brickwork	Sqm	1820.00	84.69	154135.80
19	12mm cement plaster of mix 1:6 (1 cement: 6 Sand)	Sqm	3520.00	72.96	256819.20
20	15 mm cement plaster finished with a floating coat of neat cement of mix 1:3 (1 cement: 3 Sand)	Sqm	100.00	136.86	13686.00
21	6mm cement plaster of mix 1:3 (1 cement: 3 Sand)	Sqm	100.00	68.54	6854.00
22	Kota stone slab flooring over 20mm average thick base laid and joined with greycement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 sand)				
	25mm thick	Sqm	1000.00	970.73	970733.00
23	Kota stone slab 25mm thick in riser of steps skirting dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1 cement : 3 sand) and joined with greycement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete				
	25mm thick	Sqm	150.00	917.30	137595.00
24	Extra for Prefinished nosing in treads of steps of kota stone/ sand stone slab	Rm	300.00	43.21	12963.00
25	Extra for Kota stone / sand stone in treads of steps and risers using length upto 1.05mt	Sqm	100.00	8.36	836.00
26	Brick on Edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S bricks				
	1:4 cement Mortar (1 cement : 4 sand)	Sqm	115.00	427.46	49157.90
27	Supplying & fixing external paving tile of ultra/Eurocon make of approved pattern over base course of 15mm thick (average) cement mortar (1:4) pointing the joint with matched pigments laying in proper level.	Sqm	130.00	900.00	117000.00
28	Providing and fixing pressed steel door frames conforming to IS 4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges, jambs, lock jamb, bead and if required angle threshold of mild steel angle section of 50x25mm or base tie of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustablelugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike -plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer in charge:				
	Profile B	Rm	150.00	345.58	51837.00
29	Providing and finishing wall surface with acrylic wall care putty (water based) of approved make (Birla or Equivalent) and finished smooth and even surface to receive painting including cost of scaffolding staging charges with all cost of materials taxes labour T&P etc complete	Sqm	230.00	105.79	24331.70
30	Finishing walls with premium acrylic smooth extrior paint with silicone additive of required shade				
	New work (two or more coat applied @1.43kg/10 Sq.M) over and including base coats of water proofing cement paint applied @ 2.2 Kg/10 Sq.M	Sqm	1700.00	69.05	117385.00

31	Distemping with 1st quality acrylic distemper (readymade) of approved manufacture and of required shade and colour complete, as per manufacturer's specification.				
	New Work(Two or more coats)	Sqm	180.00	32.73	5891.40
32	White washing with KATNI lime to give an even shade				
	New work (Three or more coat)	Sqm	1250.00	10.01	12512.50
33	Providing and fixing of ISI marked flush door shutters conforming to IS 2202 (Part-I) decorative type , core block board construction with frame of 1st class hard wood and well matched teak 3ply veenering with vertical grains or cross bands and face veneers on both faces of shutters				
	30mm thick includig ISI marked stainless steel butt hinges with necessary screws.	Sqm	50.00	3680.71	184035.50
34	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-iron 40x40x6 mm with 40mm dia steel pulley completee with bolts and nuts locking arrangement , stoppers, handles, including a priming coat of steel primer				
		Sqm	10.00	3322.83	33228.30
35	Providing and fixing aluminium work Fully glazed with 4.0mm thick glass pane for Sliding windows ventilators (Subframe) (anodised transparent or dyed to required shade according to IS 1868 minimum anodic coating of grade AC15) subframe for windows and ventilators with extruded builtup standard tubular sections of approved make conforming to IS 733 and IS 1285 fixed with rawl plugs and stainless steel screws etc.with rawl plug and screw or with fixing clips or with expansion holdfasteners including necessary filling up of gaps at junction at top and bottom and sides with required PVC /neoprene fillet etc aluminium sections shall be smooth rust free straight mitred and jointed mechanically wherever required including cleat angles , Aluminium snap beading for glazing /panelling CP brass /stainless steel screws all complete as per architectural drawings and direction of Engineer in Charge (all fittings such as hinges handle and beading etc all are included and measured in Sq.M)				
		Sqm	160.00	3746.24	599398.40
36	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, (as per IS 1038 with Z or L section)joints mitred and welsed with 15x3 mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10 CM of 1:3:6 (1 cement: 3 Sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screw or rawl plugs and screws or with fixing clipsor with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer, excluding the cost of metal beading and including other fitting (stay ,handle),necessary hinges or Pivots as required.				
		Sqm	125.00	1927.21	240901.25

37	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	Two or more coats on new work	Sqm	250.00	48.96	12240.00
38	Providing and fixing of M.S grills of required pattern in frames of windows etc. with M.S flats, Square or round bar etc all complete				
	Fixed to openings / wooden frames with rawl plugs screw etc	Kg	1200.00	80.86	97032.00
39	Supplying,fixing vitrified tile in flooring of size 600 x 600 mm,10mm thick water absorption less than 0.08 % confirming to IS : 15622 of approved colour & make (V.C. Shield) at all heights laid over cement mortar 20mm thick of proportion (1 cement: 4 coarse sand) ,The joints shall be filled with grout matching the colour of tile.Cost includes all labour,material,Tool plants,curing etc. complete in all respects as per direction of engineer-in-charge.				
		Sqm	500.00	997.73	498865.00
40	Providing and fixing Stainless steel sliding door bolts ISI marked (of approved make jindal/equivalent) with nuts and screw etc . Complete: as per direction of Enginner in Charge.				
	300x12mm	Each	20.00	265.92	5318.40
41	Providing and fixing of stainless steel tower bolts ISI marked of approved make jindal/ equivalent with necessary screw etc complete:				
	200x10mm	Each	30.00	122.62	3678.60
	150x10mm	Each	10.00	98.10	981.00
42	Providing and fixing Stainless steel handles ISI marked (of approved make jindal/equivalent) with nuts and screw etc . Complete: as per direction of Enginner in Charge.				
	150mm	Each	50	74.27	3713.50
43	Providing and fixing aluminum hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour and shade with necessary screws etc complete:				
	Double rubber stopper	Sqm	40	80.16	3206.40
44	Providing and fixing of chlorinated polyvinyl chloride (CPVC)pipes , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00m spacing . This includes jointing of pipes fittings with one CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge(Internal work exposed on Wall)				
(a)	15mm nominal bore	Rm	10.00	146.77	1467.70
(b)	20mm nominal bore	Rm	20.00	177.94	3558.80
(c)	25mm nominal bore	Rm	30.00	240.52	7215.60
(d)	32mm dia nominal bore	Rm	20.00	320.21	6404.20

45	Making connection of G.I distribution branch with G.I main of following sizes by providing and fixing tees including cutting and threading the pipes etc. complete				
	25to 40mm nominal bore	Each	1.00	291.93	291.93
46	Providing and fixing of Brass fittings for Water supply connection as per approved quality and direction of Engineer in Charge.				
	25mm dia gunmetal gate valve	Each	2.00	825.58	1651.16
47	Providing and fixing PTMT ball cock of approved quality, colour and make complete with epoxy coated aluminum rod with L.P./H.P.H.D plastic ball				
	PTMT Ball cock 50mm bore, 242mm long weighing not less than 1240Gms	Each	1.00	1466.09	1466.09
48	Providing and fixing of gunmetal Ball valve and fittings for Water supply connection as per approved quality and direction of Engineer in Charge.				
	25mm dia ball valve	Each	1.00	902.24	902.24
49	Providing and fixing of unplasticised PVC connection pipe with brass unions as per approved quality and direction of Engineer in Charge.				
	15mm dia 60Cm length	Each	6.00	108.62	651.72
50	Providing and fixing of CP Brass Fittings conforming to IS 8931as per approved quality and direction of Engineer in Charge.				
	15mm dia Bib cock	Each	1.00	663.88	663.88
	15mm dia Stop cock	Each	5.00	663.88	3319.40
51	making chases upto 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I.pipesetc				
		Rm	10.00	46.41	464.10
	SANITARY				
52	Providing and fixing white vitreous china pedestral type water closet s(European typeW.C.Pan)with seat lid, 10litr low level white P.V.C flushing cistern 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 where ever required :				
	W.C.Pan with ISI marked White solid plastic seatand lid	Each	1.00	3701.49	3701.49

53	Providing and fixing White vitreous china flat back half stall urinal of size 580x380x350 mm with automatic flushing cistern with fittings standard size cpbrass flush pipe and CP brass spreaders with brass union and clamps (All in CP brass)with waste fitting asper IS 2556, Ci trap with outlet grating and other couplings in CP brass complete including painting of Fittings and brackets cutting and making good the walls and floors wherever required:				
	Single half stall with 5litre white P.V.C automatic flushing cistern.	Each	3.00	7371.91	22115.73
54	Providing and fixing of wash basin with C.I brackets, 15mm Cp brass pillar taps 32mm Cpbrass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	White vitreous china wash basin size 550x400mm withsingle 15mm CP Brass	Each	1.00	2206.91	2206.91
55	Providing and fixing of PVC waste pipe for Sink or wash basin including PVC waste fittings complete : Semirigid pipe 32mm dia	Each	2.00	255.86	511.72
56	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete	Each	1.00	1057.20	1057.20
	BATH ROOM FLOOR TILE & WALL TILE				
57	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacture of approved make in all colours shade except burgundy, bottole green , black of any size as approved by engineer in Charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 sand) and jointing with grey cement slurry @3.3 kg per Sq.M including pointing in white cement mixed with pigment of matching shade complete	SQM	60.00	735.92	44155.20
58	Providing and laying ceramic glazed floor tiles 300x300mm (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 20mm thick cement mortar 1:4 (1 cement : 4 sand) including pointing the joints with white cement and matching pigment etc complete.	SQM	20.00	802.67	16053.40

PVC DOOR & DOOR FRAME					
59	Providing and fixing factory made UPVC door frame made of UPVC extruded , section having an overall dimension , as below (tolerence +/- 1mm) with wall thickness 2.0 +/- 0.2mm. Corners of the door frame to be jointed with galvanized brackets and stainless steel screws, jointed and mitred and plastic wilded. the hinge side vericalof the frames reinforced by galvanised m.S tube of size 19x19mm and 1mm +/- 0.1 mm wall thick ness and 3 nos stainless steel hinges fixed to the frame complete aas per manufacture specification and direction of Engineer in charge.				
Extruded section Profile size 42x50mm		Rm	10.00	449.19	4491.90
60	Providing and fixing to existing door frames 30mm thick factory made PVC door shutter made of styles and rails of a UPVC hollow section of size 30x60mm and thickness 2mm +/-0.2mm with inbuilt edging on both sides. The styles and rails mitred and jointed at the corners by means of M.S galvanised /plastic brackets of size 75x220 mm having wall thick ness 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised M.S tube of size 20x20mm and 1mm +/- 0.1mm wall thickness. the lock rail made up of H section, a UPVC hollow section of size 100x30mm and 2mm+/- 0.2mm wall thickness fixed to the shutter styles by means of plastic / galvanised M.S U cleats. the shutter frame filled with a UPVC multichambered single panel of size not less than 620mm , having over all thickness of 20mm and 1mm +/- 0.1mm wall thickness with 20mm panel beading of suitable size / glass (4mm thick) /louver section , louver frame of the suitable size the panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised M.S rod and fastened with nuts and washers complete as per manufacture's specification and direction of Engineer in Charge. (For WC and bathroom door shutter)				
		SQM	3.00	2403.21	7209.63

61	Supplying and fixing of rolling shutters of approved make and made of required M.S laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5CM long wire spring s grade No-2 and M.S top cover of required thickness for rolling shutters				
	80x1.25 M.S lathe with 1.25mm thick top cover	Sqm	20	3338.43	66768.60
	PVC PIPES & FITTINGS				
62	Supplying and fixing and fittings of PVC pipes of approved brand (Finolex/Supreme) complete with fittings including cutting and making good the walls etc. as per direction of Engineerin Charge.				
	110mm dia Pipes	Rm	35.00	302.61	10591.35
	50mm dia pipes	Rm	5.00	137.86	689.30
63	Supplying and fixing and fittings of PVC plain bend of approved brand (Finolex/Supreme)complete with fittings including cutting and making good the walls etc. as per direction of Engineerin Charge.				
	110mm dia Pipes	each	5.00	187.81	939.05
64	Supplying and fixing and fittings of PVC Por S trap of approved brand (Finolex/Supreme)complete with fittings including cutting and making good the walls etc. as per direction of Engineerin Charge.				
	110mm inlet and 110mm outlet dia trap	each	2.00	394.21	788.42
65	Supplying and fixing and fittings of PVC required degree junction or plain junction with access door of approved brand (Finolex/Supreme)complete with fittings including cutting and making good the walls etc. as per direction of Engineerin Charge.				
	110mm dia Pipes	each	2.00	237.45	474.90
66	Constructing brick masonry man hole in cement mortar 1:4 (1 cement: 4 sand) R.C.C. top slab with 1:2:4 (1cement : 2 sand: 4 coarse aggregate), Foundation concrete 1:4:8 (1 cement : 4sand: 8 coarse aggregate) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 sand) finished with floating coat of neat cement punning and making channel in cement concrete 1:2:4 (1 cement: 2 sand: 4 coarse aggregate) finished with floating coat of of neat cement punning complete as per standard design :				
	Inside size of 120x90 cm and deep 90Cm including R.C.C Precast 50mm thick cover (50mm diameter internal dimension of opening) with FPS bricks class designation 75	Each	1.00	7914.41	7914.41
67	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing , balcony railing and staircases railing including applying priming coat of approved steel primer				
	Stainless steel Tube of 302/202 grade	Rm	300.00	1303.95	391185.00
				TOTAL	12386596.25
				OR SAY RS	12387000.00