

NAME OF WORK :-

ESTIMATE FOR PROPOSED RESIDENTIAL FIRST FLOOR BUILDING PLAN ON P.No. 12, S. No. 968/1A+968/1/1A+968/1/2A+968/2/1/12, OF NASHIK SHIWAR IN NASHIK.  
FOR - SUVARNA SUNIL WAKE

**ABSTRACT SHEET**

Ino.	Qty	Description of Items	Rate	Unit	Amount
1	160.50	<b>Excavation</b> for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift up to 1.5m) Spec. No. Bd. A.2, P.No. 259 D.S.R. I/P No.2/7	114.80	Cum	18425.40
2	125.48	<b>Excavation</b> for foundation in hard murum and boulders including removing the excavated materials up to a distance 50 metres, beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. Spec. No. Bd. A.2, P.No. 259 D.S.R. I/P No.3/7	149.90	Cum	18809.45
5	56.63	Providing and laying in situ <b>cement concrete</b> M-10 /1:3:6 of trap/ granite/quartzite/gneiss metal <b>for foundation and bedding</b> including bailing-out water manually formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing etc. complete. (Wooden planks/ shuttering will not be allowed) Spec. No. Bd. E.1, P.No. 287 D.S.R. I/P No.2/15	3347.20	Cum	189551.94
6	31.69	Providing <b>Brick masonry</b> in <b>cement mortar</b> 1:6 using 23cm bricks in foundations and plinth of inner walls/in plinth of external walls including bailing-out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete. Spec. No. Bd.G.1, P.No.313 D.S.R. I/P No.1/59	4729.70	Cum	149884.19
7	35.98	Providing and laying in situ <b>cement concrete</b> of M-20 grade of trap/granite/quartzite/gneiss metal for R.C.C. work in foundations like raft, grillages, strips, foundations and footings of R.C.C.columns and steel stanchions including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing and roughening the surface if special finish is to be provided (Excluding reinforcement & structural steel) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks/shuttering will not be allowed) Spec.No. Bd. F.2, Page No. 298 D.S.R. I/P No.1/25	4945.10	Cum	177924.70

<b>I.No.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
8		Providing and casting in situ <b>cement concrete of M-20</b> grade of trap/ granite/ quartzite/gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including centering, formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement.) The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. (Wooden planks/shuttering will not be allowed)			
		Spec.No. Bd. F.5, P.No.300			
		D.S.R. I/P No.2/25			
	11.65	First Floor	6807.00	Cum	79301.55
9		Providing and casting in situ <b>cement concrete of M-20</b> grade of trap/ granite/ quartzite/gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including centering, formwork of plywood / steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks/shuttering will not be allowed)			
		Spec. No. Bd.F.6, P.No.300			
		D.S.R. I/P No.3/26			
	11.65	First Floor	7103.00	Cum	82749.95
10	11.20	<b>Filling in plinth</b> and floors with approved excavated materials in 15 cm to 20 cm layers including watering and compaction complete.	37.70	Cum.	422.24
		Spec. No. : Bd. A.10, Page No. 262			
		D.S.R. I/P. No. 7/8			
11	10.69	<b>Filling in plinth</b> and floors with contractor's material approved by Engineer-in-charge in 15 cm to 20cm. layers including watering and compaction complete.	343.30	Cum	3669.88
		Spec. No. Bd. A.11, P.No.263			
		D.S.R. I/P No. 8/9			
12	13.65	Providing dry trap/ granite/ quartzite/ gneiss <b>rubble stone soling</b> 15 cm to 20 cm thick including hand packing and compacting complete.	538.90	Cum	7355.99
		Spec. No. Bd. A.12, P.No.264			
		D.S.R. I/P No. 9/9			

<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
13		Providing and casting in situ <b>cement concrete</b> of M-20 grade of trap/ granite/ quartzite/gneiss metal for R.C.C.slabs and landings as per detailed designs and drawings or as directed including centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks/ shuttering will not be allowed)			
		Spec. No. Bd.F.8, P.No. 302, D.S.R. I/P No. 5/27			
	145.00	First Floor	7264.00	Cum	1053280.00
14		Providing and casting in situ <b>cement concrete</b> of M-20 grade of trap/ granite/ quartzite/gneiss metal for R.C.C. chhajja as per detailed designs and drawings or as directed including centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks/shuttering will not be allowed)			
		Spec. No.Bd.F.11, P.No. 304 D.S.R. I/P No. 7/27			
	1.48	First Floor	7264.00	Cum	10750.72
15		Providing and casting in situ <b>cement concrete</b> of M-20 grade of trap granite/quartzite/gneiss metal for R.C.C. pardi upto 150mm thickness as per detailed designs and drawings or as directed including centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks/shuttering will not be allowed)			
		Spec. No.Bd.F.11, P.No. 304 D.S.R. I/P No. 9/28			
	6.15	First Floor	7821.00	Cum	48099.15

INo.	Qty	Description of Items	Rate	Unit	Amount
16		Providing and casting in situ <b>cement concrete</b> of M-20 grade of trap granite/quartzite/gneiss metal for R.C.C. waist slabs as per detailed designs and drawings or as directed including centering, formwork of steel, compaction, covering newly laid concrete by gunny bag, plastic or tarpaulin, finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement. The cement mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Wooden planks/shuttering will not be allowed)			
		Spec. No.Bd.F.13, P.No. 305			
		D.S.R. I/P No. 11/29			
	3.48	First Floor	7232.00	Cum	25167.36
17		<b>Providing and fixing in position</b> TMT steel bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.			
		Spec. No. Bd.F.17 Page No. 306			
		D.S.R. I/P No.15/31			
	3.50	First Floor	64570.00	M.T.	225995.00
18	1.00	Providing, fabricating and erecting at site of work the tubular/ rectangular hollow <b>steel structure (sky light) of standard size</b> as per standard design and specifications, having various spans ranging from 6 m.to 18 m. length, in-between trusses and in multiples of standard length of bays as specified, as per standard specifications inclusive of cost of steel tubular/ rectangular hollow trusses, tubular columns (3.5 m.height), purlins, tie runners, foundation bolts, base plates, nuts & bolts, welding wherever required etc.as per detailed drawing inclusive of one coat of anticorrosive paint and two coats of oil painting of approved quality and shade complete. Additional Item	76004.00	M.T.	76004.00
		Spec. No. : As directed by Engineer in charge.			
		D.S.R. I/P No.6/12			
		Spec. No. : As directed by Engineer in charge.			
		D.S.R. I/P No.22/214			
19	5.92	Providing and fixing <b>Plastic Cover Blocks</b> of required size at 1.5 metre C/C near the edge of each side and at center when the width is more than 75 cm to reinforcement to give a clear cover of 40 mm.to 65 mm. from all sides <b>in R.C.C. columns</b> complete. Additional Item	20.20	Cum	119.58
		Spec. No. : As directed by Engineer in charge.			
		D.S.R. I/P No. 21/33			

I.No.	Qty	Description of Items	Rate	Unit	Amount
20	14.69	Providing & Applying in specified dosages <b>Plasticisers</b> of approved quality, make (FOSROC,MC BAUCHEMIE, ROFF, Dr. FIXIT, FAIRMATE, CICA), grade, etc. complete as directed by the Engineer-in-charge. Spec. No. : As directed by Engineer in charge. As per Rate Analysis	127.60	Litre	1874.44
21	15.98	Fabricating & Fixing of structural Glazing with alloy 6063 63x38x1.47mm anodizing 12-15 microns ( Shade to be approved) with 5mm super silver Blue Asahi/Saint gobain glass sealants are Dow Corning for Structural silicone DC -795 or 995 & weather silicones are DC- 688 or 789 spacer tape are 6mm x 6mm double sided M.S. Brackets, M 12 x 100 Anchor fastener & necessary fixtures etc. complete. Spec. No. As directed by Engineer in charge As per Rate Analysis	3455.30	Sqm	55215.69
22		Providing <b>Brick Masonry in cement mortar 1:4</b> using <b>Burnt Bricks in 0.15m thick wall</b> including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm at every third course, properly bent and bonded at the ends scaffolding, racking out joints and watering complete. Spec. No. Bd: Bd.G.7/316 As per Rate Analysis			
	24.57	First Floor	648.00	Sqm	15921.36
23		Providing <b>Bricks masonry in cement mortar 1:6</b> using 23 cm bricks in superstructure including striking joints, raking out joints, watering and scaffolding complete. Spec. No. Bd.G.5, P.No. 315 D.S.R. I/P No. 3/59			
	28.54	First Floor	4925.00	Cum	140559.50
24		Providing Bricks masonry in cement mortar 1:4 using Second class burnt bricks in <b>half brick thick wall</b> including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm at every third course, properly bent and bounded at ends scaffolding, raking out joints and watering complete. Spec. No. Bd.G.7, P.No. 316 D.S.R. I/P No. 6/59			
	5.64	First Floor	661.00	Sqm	3728.04

<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
25		Providing <b>Bricks masonry in cement mortar 1:6</b> using First Class Godhra Bricks of Jai Jalaram make ( Size of Bricks L=228mm W=108mm, H=76mm, efflorescence nil to sight, water absorption =< 12% Compressive Strength > 60 Kilogram/cm <sup>2</sup> in superstructure, as backing in composite masonry including scaffolding, raking out joints and watering complete			
		Spec. No. As directed by Engineer in charge			
		As per Rate Analysis			
	3.59	First Floor	9802.00	Cum	35189.18
26	20.65	Providing and fixing factory made precast door / window frames of C.C. M-40 grade of section 100 mm x 60 mm including reinforcement as per I.S. 6523:1983 with polymeric blocks having screw holding capacity of 250 kg / screw fixed in position in R.C.C. frame as per requirement and as per specifications without fan light including holdfasts, carting and erecting in position and two coats of oil paint etc. complete.	404.00	Rmt.	8342.60
		Spec. No. As directed by Engineer in charge			
		D.S.R. I/P No. 1/121			
27	1.30	Providing and fixing <b>country teak wood frame 60 mm x 100 mm</b> for second class doors without /with ventilators, windows with ventilators / fan light and clear story windows including all mouldings chamfering/ rounding, rebating and holdfast and finishing with one coat of primer etc. complete.	61327.60	Cum	79725.88
		Spec. No. : Bd. T.2, Page No. 478			
		D.S.R. I/P No. 103/228			
28	46.85	Providing and fixing <b>solid core flush door in single leaf 35 mm</b> thick as per detailed drawing approved face veneers on both faces with/ without glazing and venetians in the positions shown on the drawing or as directed, all necessary beads, mouldings and lipping, chromium plated fixtures and fastenings on both sides and finishing complete. (without door frame).	2501.60	Sqm	117199.96
		Spec. No. : Bd. T.34, Page No. 499			
		D.S.R. I/P No. 20/125			
29	26.70	Providing and fixing <b>steel ventilator fully glazed partly top hung and partly fixed</b> as per detailed drawing, without hot dip zinc coating including fabrication, glazing with 3mm thick plain/ obscured glass panes of approved type and quality and fastenings without teak wood boxing, architecture and oil painting in two coats etc. complete.	2197.60	Sqm	58675.92
		Spec.No. As directed by Engineer in charge.			
		D.S.R. I/P No. 48/134			

<b>I.No.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
30	39.10	Providing and fixing <b>mild steel grill work</b> weighing 20 kg/sqm. for windows, ventilators etc. as per drawing including fixtures, necessary welding & painting with one coats of anti corrosive paint & two coats of oil painting complete.	1518.20	Sqm	59361.62
		Spec. No. : Bd. U.1, Page No. 537 D.S.R. I/P No.1/159			
31	12.65	Providing and fixing <b>stainless steel pipe hand railing</b> as per detailed architectural design and drawing hand rail of size 50mm.and newel posts for staircases, including fabricating, fixtures, erecting, buffing polishing the railing work and making good the dismantled area, cleaning etc. complete	2923.70	Rmt	36984.81
		Spec. No. : As directed by Engineer in charge. As per Rate Analysis			
32	52.48	Providing and fixing mild steel grill railing weighing 20 kg / sqm. with teak wood hand rail of size 75mm.x 60 mm. and sill of 75mm.x 25 mm. and newel posts for staircases, including fabricating, fixtures, erecting, painting the grill work with one coat of anticorrosive paint and two coats of oil painting with approved colour and polishing the sill, hand rail and the newel post with French polish.	1832.90	Sqm	96190.59
		Spec. No. : Bd.U.2 Page No. 537 D.S.R. I/P No.2/159			
33	68.96	Supplying and fixing in position <b>alluminium colour anodised extruded section three track sliding windows</b> upto any height, outer frame made from section of overall size 92 mm x 45 mm, bottom section with or without drains track section weighing 0.901 kg. per running metre & top & side section weighing 0.838 kg. per running metre with shutters of sections made of 19mm. x 40mm. size having average weight of 0.6 kg per running meter (or as per required size with change in proportionate weight) with 5.5 mm selected quality plain sheet glass fixed with nylon encased stainless rollers, necessary locks and handles etc. complete.	4314.30	Sqm	297514.13
		Sp. No.: As directed by Engineer in charge As per Rate Analysis			

<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
34	15.68	Providing and fixing in position 2/3/4 <b>shuttered alluminium extruded anodised or powder coated door</b> of any size or as per detailed architectural drawing with alluminium door frame of anodised or powder coated section 101.60 x 44.75 millimetre, 3.18 millimetre thick and shutter comprising of powder coated section having bottom and lock rail of size 150 millimetre x 44.45 millimetre, 2.90 millimetre thick, top rails 47.62 x 44.45 millimetre, 3.18 millimetre thick, vertical styles 47.62 x 44.45 millimetre, 3.00 millimetre thick and tinted glass panes 10 millimetre thick without defects like wave etc., floor spring type two way door closer of heavy duty having I.S.I. mark, heavy duty concealed lock, necessary glazing clips, PVC gaskets, tower bolts etc. as per detailed design and drawing or as directed by Engineer-in- charge including all material, labour and equipment etc. complete.	6033.50	Sqm	94605.28
		D.S.R. I/P. No. 40/131			
35	11.07	Providing and fixing <b>collapsible steel gates</b> in two leaves, with channel pickets, pivoted flat bars, including top and bottom guides, rollers, stoppers, handles, all fitting accessories, locking arrangement and one coat of red lead primer complete.	2976.90	Sqm	32954.28
		Spec. No. : Bd. T.57, Page No. 511			
		D.S.R. I/P. No. 37/130			
36	35.48	Providing <b>internal cement plaster 12mm thick in single coat in cement mortar 1:4</b> without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing complete.	148.60	Sqm	5272.33
		Spec. No. : Bd. L.2, Page No. 368			
		D.S.R. I/P. No. 7/84			
37	48.96	Providing <b>neeru finish</b> to plastered surfaces for <b>ceiling</b> including scaffolding and curing complete.	34.60	Sqm	1694.02
		Spec. No. Bd.L.10, Page No. 370			
		D.S.R. I/P No. 3/83			
38	48.36	Providing <b>internal cement plaster 20mm. thick in two coats in cement mortar 1:4</b> without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing complete.	213.30	Sqm	10315.19
		Spec. No. Bd.L.4, Page No. 368			
		D.S.R. I/P No. 9/84			
39	35.48	Providing <b>neeru finish</b> to plastered surfaces <b>in a all positions</b> except <b>ceiling</b> including scaffolding and curing complete.	25.50	Sqm	904.74
		Spec. No. Bd.L.10, Page No. 370			
		D.S.R. I/P No. 13/84			



<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
40	60.00	Providing and fixing about 30cm width <b>chicken mesh</b> of 22 gauge of approved quality over joints of R.C.C. member and brick wall including fixing of mesh, necessary nailing, drilling, tying etc. complete as directed. Spec. No. As directed by Engineer in-charge D.S.R. I/P No. 25/86	91.40	Sqm	5484.00
41		Providing <b>sand faced plaster</b> externally in cement mortar using Kharsalia/Kasaba or similar type of sand,in all positions including base coat of 15mm thick in <b>C.M.</b> 1:4 using waterproofing compound at 1kg.per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8mm thick in C.M. 1:4, finishing the surface by taking out grains and curing for fourteen days, scaffolding etc.complete. Spec. No. Bd.L.7, P.No. 369 D.S.R. I/P.No.16/85			
	269.00	First Floor	289.00	Sqm	77741.00
42	60.00	Providing 100 mm wide <b>patta on plastered surface</b> 12 mm to 15 mm thick in c.m. 1:3 in line and level including neat finishing, scaffolding, curing etc. complete. Spec. No. : As directed by Engineer-in-charge. D.S.R. I/P. No. 26b/87	27.60	Rmt.	1656.00
43	165.00	Providing <b>groove near R.C.C. member</b> and brick wall including finishing etc. complete as directed by Engineer in charge. Spec. No. : As directed by Engineer-in-charge. D.S.R. I/P. No. 28/87	8.50	Rmt.	1402.50

I.No.	Qty	Description of Items	Rate	Unit	Amount
44		Providing Decorative deep sunk pointing with cement mortar 1:3 for Godhra Brick masonry including scaffolding and curing complete.			
		Spec. No. : Bd.L.16 Page No. 373			
		As per Rate Analysis			
	110.00	First Floor	242.00	Sqm	26620.00
45	54.69	Providing and applying wall cladding in line and level with plaster of Paris including making grooves, mouldings as per detailed design and drawing, removing old neeru finishing etc. if so required, including all scaffolding labour, material etc. complete.	440.20	Sqm	24074.54
		Spec. No. : As directed by Engineer-in-charge.			
		D.S.R. I/P. No. 15/85			
46	21.36	Providing to the ceiling, finishing of white cement based hard putty like Wallcare putty, snowcem putty or alike as approved by Engineer-in-charge in 2 coats with a total maximum thickness upto 1.50 mm so as to bring the surface to a perfect line and level, including rubbing, removing loose material, sand papering of the surface to be finished, all material, labour, tools, plants, scaffolding, curing as per the manufacturer's specifications etc. complete.	81.90	Sqm	1749.38
		Spec. No. : As directed by Engineer-in-charge.			
		D.S.R. I/P. No. 4/83			
47		Providing cement based <b>water proofing treatment</b> to terrace (India water proofing or alike) with brick bats with laid in required slope to drain the water for any span after cleaning the base surface, applying a coat of cement slurry & mixed with approved water proofing compound & laying the brick bats on bottom layer of c.m.1:5 & mixed with approved water proofing compound, filling upto half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer, jointing of brick bats with c.m. 1:3 and mixed with approved water proofing compound and finally top finishing with average 20 mm thick layer of same mortar including finishing the surface smooth with cement slurry mixed with approved water proofing compound, marking the finished surface with false squares of 300mm x 300mm, making the junctions at the parapets rounded & tapered towards top for required height with drip mould at the junction of plaster & curing etc., covering 7 years guarantee on Court Fee Stamp paper of Rs.100/- including ponding test etc. complete.			
		Spec.No. As directed by Engineer in charge.			
		D.S.R. I/P No. 2/67			
	50.00	First Floor	727.00	Sqm	36350.00

I.No.	Qty	Description of Items	Rate	Unit	Amount
48	35.65	Providing <b>waterproofing treatment to floors and sanitary blocks</b> (India water proofing or alike) consisting of one layer of B.B. coba of 5 cm to 7.5 cm thick in cement mortar 1:2 sandwiched between two layers of cement mortar 1:4, 20 mm thick mixed with water proofing compound, top finishing coat of cement slurry 6 to 12 mm thick with water proofing compound etc. complete with 32 mm dia. PVC pressure relief pipe of adequate length including waterproofing treatment to 30 cm height of wall in cement mortar 1:4 and <b>covering 7 years guarantee</b> on court fee stamp of Rs.100 with ponding test including all lead, lift etc. complete. Additional Item	2768.70	Cum	98704.16
		Spec.No. As directed by Engineer in charge.			
		D.S.R. I/P No. 3/67			
49	13.25	Providing <b>water proofing treatment using</b> polymerised water proofing compound to the Water tank, WC or toilet ducts in three coats with 7 years guarantee on court fee stamp of Rs.100/- with ponding test including leveling, curing etc. including materials and labour complete. Additional Item	119.10	Sqm	1578.08
		Spec.No. As directed by Engineer in charge.			
		D.S.R. I/P No. 6/68			
50		Providing and Laying approved quality <b>machine polished granite stone (ruby red or jet black or as specified) flooring</b> of any size and 18 to 20mm thick in required pattern on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry with pigment,curing,polishing and cleaning complete.			
		Spec.No. As directed by Engineer in charge.			
		As per Rate Analysis			
	24.65	First Floor	3812.00	Sqm	93965.80
51		Providing and fixing <b>Glazed Vitrified tiles</b> of approved quality <b>605mm x 605mm, 10 mm thick for flooring &amp; Dado/Skirting</b> in required position laid on a bed of 1:4 cement mortar / 1:4 cement plaster including cement float, filling joint with white/colour cement slurry cleaning curing complete.			
		Sp. No.:As directed by Engineer in charge			
	15.68	First Floor	1242.00	Sqm	19474.56
52		Providing and fixing in required positions, <b>skirting or dado of polished Kotah stone</b> slabs 25mm to 30mm thick and of required width on 1:2 lime plaster/1:4 cement plaster including cement float, filling joints with cements slurry, curing, rubbing, polishing and cleaning complete.			
		Spec. No. : Bd.M.5 Page No. 381			
		D.S.R. I/P.No. 31/94			
	45.30	First Floor	897.00	Sqm	40634.10
53		Providing and fixing <b>ceramic tiles</b> of approved quality and size, <b>7 cm thick for dado and skirting</b> in required position with ready made adhesive mortar including joint filling with white/colour cement slurry, cleaning curing complete.			
		Sp. No.: - as directed by Engineer in charge			

I.No.	Qty	Description of Items	Rate	Unit	Amount
		D.S.R. I/P.No. 38/96			
	12.36	First Floor	923.00	Sqm	11408.28
54		Providing <b>sills</b> of <b>Granite Stone</b> slab 20mm. thick of approved quality vein and colour with machine polished surface on a bed of Cement Mortar 1:4 including neat cement float filling joints with neat cement slurry to match the colour of the slabs curing, polishing and rounding edges, cleaning etc. complete.			
		Spec. No. : Bd.M.31 Page No. 392			
		As per Rate Analysis			
	8.06	First Floor	3383.00	Sqm	27266.98
55	3.56	Providing and laying as per drawings <b>Telephone black granite stone slab for counter</b> 20-25mm thick for fixing one/two/three oval wash basins including cuttings holes neatly with chamfered nosing, polishing edged etc.laid on a bed of 1:4 cement mortar including cement float,filling joints with gray cement slurry mixed with pigment to match shade of stone,cutting,polishing & cleaning complete including 25mm thick marble stone horizontal support below & vertical support consisting of two pieces of polished marble stone 25mm thick joined together with approved adhesive, front covered with polished black granite stone 10mm thick where specified & front facia of polished black granite stone 75mm wide and 18mm thick including moulding with mirror polished.	12226.40	Rmt	43525.98
56	16.00	Providing and applying <b>white-wash in two coats</b> on old/ new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing & brooming down complete.	10.10	Sqm	161.60
		Spec. No. : Bd. P.1, Page No. 411			
		D.S.R. I/P. No. 2/107			

<b>I.No.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
57	36.06	Providing and applying <b>primer coat</b> for internal wall surfaces and ceilings including scaffolding etc. complete. Spec. No. : As directed by Engineer-in-charge. D.S.R. I/P. No. 9/108	10.10	Sqm	364.16
58	18.69	Providing and applying <b>washable oil-bound distemper</b> of approved colour and shade to old and new surfaces in three coats including scaffolding, preparing the surfaces. (excluding the primer coat) complete. Spec.No.BD.P.5 page 413. D.S.R. I/P. No. 11/108	35.60	Sqm.	665.36
59	158.00	Providing and applying <b>Pearl (Royale) finish Paint in two coats</b> of approved colour & shade to existing surface including scaffolding, preparing the surface to receive paint and applying acrylic wall putty etc. complete Sp.No.: As directed by the Engineer-in-charge. As per Rate Analysis	148.80	Sqm.	23510.40
60	15.23	Providing and applying <b>2 coats of Flat oil paint</b> of approved colour and shade to internal/ external plastered surfaces including scaffolding if necessary, cleaning & preparing the surfaces (excluding the primer coat) complete. Sp. No.: Bd.O. 7/406 (DSR. I. No. 14 / 98)	48.90	Sqm.	744.75
61		Providing and applying two coats of <b>polymer based external</b> paint of standard manufacture like Apex from Asian Paints, Excel from Nerolac paints of approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface etc. for specified buildings complete. Sp.No.: As directed by the Engineer-in-charge. D.S.R. I/P No. 15/106			
	16.33	First Floor	176.00	Sqm	2873.20
62	5.00	Providing & fixing in position <b>Jet Plate</b> complete with ½" Dia. Concle cock/ angle cock etc. all complete. <b>NOTE:-</b> C.P. Fixtures should be make Jaquar ( Florentine)	903.70	Nos.	4518.50

<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
63		Providing and fixing in position ' <b>C</b> ' class <b>G.I pipes</b> with all fittings like bends, tees, elbows, union etc. & concealing the pipes in the wall under the floor, below the ground with excavation up to 1m deep, also including making chases in the wall, en-wrapping the pipes with hesain cloth soaked in bitumen, fixing with G.I. fitting & reinstating the wall surface etc. complete as directed.			
	6.00	A) 15mm Dia.	272.20	Rmt	1633.20
	6.00	B) 20mm Dia.	308.30	Rmt	1849.80
	4.00	C) 25mm Dia.	382.70	Rmt	1530.80
	10.00	D) 32mm Dia.	489.10	Rmt	4891.00
	10.00	E) 40mm Dia.	590.10	Rmt	5901.00
	12.00	F) 50mm Dia.	726.10	Rmt	8713.20
		<b>NOTE:-</b> i) G.I. Pipe should be of MAKE- TATA/ ZENITH 'C class'			
64		Providing & fixing in position lead free <b>CPVC pipes</b> for Domestic & Flushing water with all fitting like bends, tees, reducers, elbows, unions etc. including supporting on wall with clamps complete. Including scaffolding & all testing after laying of pipes as specified & including making holes in the walls or floors as required & redoing the same. Also includes pipeline below ground with excavation upto 0.45mtr. depth.			
	70.00	A) 15mm Dia.	303.00	Rmt	21210.00
	70.00	B) 20mm Dia.	345.50	Rmt	24185.00
	60.00	C) 25mm Dia.	414.60	Rmt	24876.00
	60.00	D) 32mm Dia.	542.20	Rmt	32532.00
	50.00	E) 40mm Dia.	616.60	Rmt	30830.00
	50.00	F) 50mm Dia.	770.80	Rmt	38540.00
		<b>Note:-</b> i) PVC pipe & fittings should be lead free Sch.40 of Make- ASTRAL AQUARIUS			
65		Providing & fixing in position <b>CPVC Brass Conversion Adaptors</b>			
	25.50	A) 15mm Dia.	51.00	Nos.	1300.50
	25.50	B) 20mm Dia.	57.40	Nos.	1463.70
	23.50	C) 25mm Dia.	74.40	Nos.	1748.40
	15.00	D) 32mm Dia.	101.00	Nos.	1515.00
	8.00	E) 40mm Dia.	116.90	Nos.	935.20
	8.00	F) 50mm Dia.	143.50	Nos.	1148.00
		<b>Note:-</b> i) PVC Adaptors should be lead free PVC of Make- ASTRAL AQUARIUS			
		ii) The pipes should be fitted properly as instructed by the Consultant / Architect & should be tested for leakages at a pressure of 10 bar for 1 hour before concealing the pipes			

<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
66	26.00	Providing & fixing in position <b>C.P. Bib Cock</b> with wall flange etc. all complete. <b>NOTE:-</b> Bib cock should be MAKE- JAQUAR (Florentine)	770.80	Nos.	20040.80
67		Providing & fixing in position tested heavy quality <b>Ball valve / Non Return Valve</b> with necessary specials required etc. all complete.			
	8.00	A) 15mm Dia. Ball Valve	510.30	Nos.	4082.40
	8.00	B) 20mm Dia. Ball Valve	648.50	Nos.	5188.00
	8.00	C) 25mm Dia. Ball Valve	839.90	Nos.	6719.20
	8.00	D) 32mm Dia. Ball Valve	1701.10	Nos.	13608.80
	8.00	E) 40mm Dia. Ball Valve	1839.30	Nos.	14714.40
	8.00	F) 50mm Dia. Ball Valve	3030.00	Nos.	24240.00
		Note:- i. Ball valve should be Make- RUB/ ETAB(ITALY).			
68		Providing & fixing in position tested heavy quality <b>Butterfly valve</b> with necessary specials required etc. all complete.			
	5.00	A) 50 mm Dia. Butterfly Valve	3189.50	Nos.	15947.50
		<b>Note:-</b> i. Butterfly valve should be AUDCO India Ltd.			
69		Providing, laying & jointing best quality rigid <b>PVC pipes</b> of approved make with all fittings etc. for waste drains from wash basins, sinks, etc. or vent connections from sanitary fittings to vent pipe including testing, etc. complete.			
	2.50	i) 40mm Dia.	143.50	Rmt	358.75
	2.50	ii) 50mm Dia.	186.10	Rmt	465.25
	10.00	iii) 63 mm Dia.	223.30	Rmt	2233.00
70		Providing, laying & jointing in position best quality S.W.R. <b>UPVC soil, waste &amp; vent pipes</b> with all fitting like junction of various angles, jointing with rubber ring joints & sealents etc. complete & fixing on wall or below floor with M.S./P.V.C. clamps etc. complete.			
	10.00	i) 75mm dia.	265.80	Rmt	2658.00
	15.00	ii) 110mm dia.	372.10	Rmt	5581.50
	10.00	iii) 160mm Dia.	505.00	Rmt	5050.00

<b>I.No.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
71	7.50	Providing & fixing 110mm Dia <b>PVC 'P' trap</b> complete with necessary specials required. Fixing best quality S.S.grating on the top.	797.40	Nos.	5980.50
72	5.00	Providing & fixing in position S.W.R. <b>PVC floor trap</b> with necessary specials required. Fixing best quality S.S. grating on the top.	531.60	Nos.	2658.00
73		Constructing <b>brick masonry inspection Chambers</b> upto depth 1.5 mtr including 230mm thick brick masonry walls in cement mortar 1:5 C.C. foundation bed in M-150 concrete, 150 thick Cement plaster inside and outside in cement mortar 1:3 150 thick C.C. cap on top C.C. in haunches and channels finished smooth in C.M.1:2 Heavy Duty R.C.C. Manhole cover with frame. Excavating of soil including bailing out water by any means, if required. Back filling, consolidation, as directed.			
	1.00	A) 3' x 1'6"	2272.00	Nos.	2272.00
	2.50	B) 3' x 2'0"	3780.60	Nos.	9451.50
	1.00	C) 2' x 2'0"	2392.10	Nos.	2392.10
	2.00	D) 2' x 1'6"	1687.20	Nos.	3374.40
	1.00	E) 1' x 1'0"	1329.00	Nos.	1329.00
	2.00	F) Grease Trap	4784.20	Nos.	9568.40
	3.00	G) Gully Trap	543.30	Nos.	1629.90
74	36.00	Providing and constructing <b>soak pit</b> of specified size as per detailed drawing including excavation, hollow brick masonry, filling with the brick-bats etc. complete.	481.60	Cum	17337.60
75	50.00	Providing, laying & fixing in position <b>160mm Dia. PVC pipe</b> of approved make and quality with necessary specials required such as bends, tees, junction, double junction, P.C.C. 1:4:8 of 0.10m thickness as bed for pipeline & refilling the earth etc. all complete.	424.20	Rmt	21210.00
		Spec. No. : As directed by Engineer-in-charge.			
		D.S.R. I/P. No. 54/177			
76	36.14	Providing and fixing <b>110 mm diameter UPVC soil / vent / waste SWR pipe</b> of required diameter conforming to IS-13592, and IS-4985 to withstand continuous internal hydraulic pressure of 4 kg / cm <sup>2</sup> including necessary fixtures and fittings, such as bends, tees, single junctions, double junctions and joining with rubber rings and lubricants, on wall by means of clips or in ground including necessary excavation, laying refilling, trench testing etc. complete.	512.45	Rmt	18519.77
		Spec. No. : As directed by Engineer-in-charge.			
		D.S.R. I/P. No. 56/178			



<b>INo.</b>	<b>Qty</b>	<b>Description of Items</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
77		Providing & Placing <b>Premixed concrete (Ready Mix Concrete)</b> from approved supplier/manufacturer) by concrete pumps wherever required in major concreting areas as per the directions & instructions of the consultant. (Rates are extra over all specified and applicable RCC cast in situ items)			
	18.00	<b>a) For M-20</b>	1329.00	Cum	23922.00
	18.00	<b>b) For M-25</b>	1541.60	Cum	27748.80
78	60.00	Extra for change of mix from M :200 to M : 250	292.40	Cum	17544.00
79	55.00	Itching plain glass 5 mm thick as per detailed design as directed by Engineer-in-charge etc. complete. Spec. No. : As directed by Engineer-in-charge. D.S.R. I/P. No. 25/215	845.20	Sqm	46486.00
80	11.68	Carting & shifting the excavated and dismantalled material stuff and unwanted material lead upto 5 Kms from site area etc. complete. Spec. No. : As directed by Engineer-in-charge. As per Rate Analysis	143.50	Cum	1676.08
81		Providing & Placing rebarring fissure bars using hilty solution including making drill to concrete surface and required diameter M.S./HYSD reinforcement. Testing, removing dust, placing in position etc. complete.			
	8.00	<b>a) For 8mm dia.</b>	132.90	Nos.	1063.20
	8.00	<b>b) For 10mm dia.</b>	170.10	Nos.	1360.80
	8.00	<b>c) for 12mm dia.</b>	191.40	Nos.	1531.20
	8.00	<b>d) for 16mm dia.</b>	239.20	Nos.	1913.60
	8.00	<b>e) for 20mm dia.</b>	276.40	Nos.	2211.20
				<b>Total Rs.</b>	<b>4411084.44</b>
				<b>Say Rs.</b>	<b>4411085.00</b>
82	lumpsum	Electrification	4%		<b>176443.40</b>
83	lumpsum	landscaping	5%		<b>220554.25</b>
					<b>4808082.65</b>
				<b>Say</b>	<b>4808083.00</b>
<b>( In Words:- Rupees fourty eight lahks eight thousand eighty three rupees Only. )</b>					
		NOTES :-			
		1 The estimated cost is approximate.			
		2 Deviations may happen in case of change in design or			
		3 change in the market rates or as per site conditions.			
		4 Rates may vary as specification, contracting agency changes.			