ESTIMATE

DETAILED ESTIMATE FOR CONSTRUCTION OF "THE AMBA PRASAD ROTARY CHARITABLE EYE HOSPITAL" (Opposite Boys Sr. Sec. School) AT SUNDERNAGAR, TEHSIL SUNDERNAGAR, DISTT. MANDI, HIMACHAL PRADESH

1. Construction of " The Amba Prasad Rotary Charitable Eye Hospital" CIVIL WORK) ANNEXURE-A (Attached)		44982278.00
2. Providing internal WS and SI 12.5% of Item No.1		5622784.00
3. Providing internal electrical Installation 12.5% of Item Nc		5622784.00
4. Add for cost for Rain Water harvesting Tank		500000.00
Total 1 to 4 = (B)	**TOTAL**	**56727846.00**
5. Add for Approach road & Site Developments	L S	2500000.00
6. Add for Arboriculture and gardening	L S	250000.00
Total B+ 5 & 6 = (C)	**TOTAL**	**59477846.00**
7. Add 3% Contingencies Charges		1784335.00
8. Add 7% Premium on the item C above on the Schedule rates of HPPWD 2020 till date		4163449.00
Total C + 7 & 8 = (D)		**65425630.00**
9. Add 18% GST on item no D above		11776613.00
GRAND TOTAL		**77202243.00**

SAY (Rs 7.72 Cr) Seven Crore & Seventy Two Lacs only

Naresh Kumar Verma,
Architect

M/s Vastuloka Associates
Authorised Signatory

ABSTRACT OF COST

Estimate for Construction of The Amba Prasad Rotary Charitable EYE HOSPITAL (Near MC Parking Chatrokhari) at Sundernagar,TEHSIL SUNDERNAGAR DISTT. MANDI (CIVIL WORK)

SNo	Discription	Quantity	Rate	unit	Amount
1	Cutting in earth work in all heights/depths and in all kinds of soil such as kankar, moorum, shingl and decomposed or soft rock, hard rock I.e. their intermediateclassification and chiselling/wedging out rock where blasting prohibited including saturated soils and filling in embankments etc. where necessary and disposal of all excavated unserviceable material in all leads and lifts including through mechanical transporation, the disposal of the unserviceable material will be done on approved dumping site. Any damage to the private / public property during execution will be restored by the contractor whatsoever the nature of the same may be.The serviceable materials will be stacked in specified dimensions in all leads and lifts as per the direction of the Engineer-in-charge.	1575.00	212.70	Cum	335003.00
2	Excavation in foundations, trenches etc. in earth work in all kinds of soils such as pick work, jumper work, blasting work and chiselling / wedging out of hard or soft rock upto all heights stacking the excavated soil not more than 3 meteres clear from the edge of excavation and than returning the stacked soil in 15 cms layers, when required into plinths, sides of foundations etc.consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth in all leads and lifts.	723.14	212.70	Cum	153812.00
3	Filling in plinth with sand under floors including watering, ramming, consolidating and dressing complete including carriage of material in all leads and lifts.	45.18 Cum	2635.60	Cum	119076.00

SNo	Discription	Quantity	Rate	unit	Amount
4	Providing form work with steel plates 3.15mm thick welded with angle iron frames 30x30x5mm so as to give a fair finish including centering, shuttering, strutting and propping, etc. with wooden battens and ballies heights of propping and centering below supporting floor to ceiling in all heights and removal of the same for in-situ reinforced concrete and plain concrete work including carriage of material in all leads and lifts.				
	(a) Foundation footings, bases of columns and the like and mass concrete.	322.88 Sqm	235.90	Sqm.	76167.00
	(b) Flat surfaces such as soffits of suspended floors, roofs, landings and the like: Floors, etc. upto any thickness.	1,720.00 Sqm	566.95	Sqm	975154.00
	(c) Vertical surface such as walls (any thickness) partition and the like including attached pillasters buttresses plinth and string course and the like.	690.00 Sqm	499.20	Sqm	344448.00
	(d) Columns pillars, posts, and struts square, rectuangular or polygonal in plan	1,122.00 Sqm	564.80	Sqm.	633706.00
	(e) Staircases with slopping or stepped soffits including risers and stringers excluding landing.	116.40 Sqm	377.50	Sqm	43941.00
	(e) Beams, cantilevers, girders and lintels.sides and soffits of beams, beam haunching cantilivers, girders, bressumers and lintels upto any in depth. & upto all heights from floor.	1,523.88 Sqm	460.30	Sqm	701442.00
	(f) Edges of slab and breaks in floors and walls under 20cm wide.	360.00 Rmt.	254.60	Rmt	91656.00

SNo	Discription	Quantity	Rate	unit	Amount
5	Providing and laying cement concrete 1:4:8 (1Cement:4 Sand:8graded stone agregate 40mm nominal size) and curing complete excluding cost of form work in foundation and plinth. including carriage of material in all leads & lifts.	42.68 Cum	5689.80	Cum	242841.00
6	Providing and laying cement concrete 1:5:101Cement:5 Sand:10 graded stone aggregate 40mm nominal size) in Foundatio & Plinth	48.21	5377.20	cum	259235.00
7	Providing and laying in position machine batched,machine mixed and machine vibrated design mix.cement concrete of M-25 grade for reinforced cement concrete structural elements,excluding cost of centering /shuttering,finishing and reinforcement work including curing & carriage of material in all leads and lifts.				
	(a) Foundation ,footings, basis of columns and mass concrete.	337.23 Cum	7472.75	Cum	2520035.00
	(b) Walls (any thickness) including attached pillasters buttresses plinth and string courses etc. from top of foundation upto all floor levels	104.48 Cum	8269.40	Cum	863987.00
	(c) Suspended floor, roofs, landings, shelves and their supports, balconies, beams,girders, bressumers and cantilevers in all heights & all floor level.	201.35 Cum	7472.75	Cum	1504638.00
	(d) Columns pillars posts and struts upto all floor levels.	161.28 Cum	7472.75	Cum	1205205.00
	(e) Stair cases (except spiral stair cases) excluding landing but including preparing the surfaces and finishing of nosing upto all floor level.	17.45 Cum	7472.75	Cum	130399.00
8	Providing Tor steel /TMT Steel reinforcement for R.C.C. work including bending, binding and placing in position complete including cost of binding wire upto all heights including carriage of material in all leads and lifts.	105883.50 KG	108.70	kg	11509536.00

SNo	Discription	Quantity	Rate	unit	Amount
9	Brick work using Ist class common burnt clay building bricks in foundation and plinth in cement mortar 1:6 (1 cement : 6 sand)	2.83 Cum.	8346.40	Cum	23620.00
10	Brick work using Ist class common burnt clay building bricks in superstructureabove plinth level upto all floor level in cement mortar 1:6 (1 cement : sand) including carriage of material in all leads and lifts.	165.32 Cum.	9230.50	cum	1525986.00
11	Half brick masonry using 2nd class common burnt clay building bricks in superstructure above plinth level upto all floor level in cement mortar 1:4 (1 cement: 4 sand) including carriage of material in all leads and lifts.	1464.25 Sqm.	986.70	sqm	1444775.00
12	Stone filling behind retaining walls	208.95 Cum.	797.35	Cum	166606.00
13	Providing wood work in frames of doors, windows, clearestory windows and otherframes wrought, frames and fixed in position: including carriageof material in all leads and lifts. Ivory Coast Teak Wood	16.80 Cum.	161896.60	Cum.	2719128.00
14	Providing and fixing flush door shutters interior grade, commercial type, core of black-board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains of cross bands and face veneers on both faces of shutters. 40 mm thick including black enamelled M.S. butt hinges.	110.25 Sqm.	4053.20	sqm	446865.00
15	Providing and fixing 40mm thick Ivory Coast Teak Wood panelled, glazed or panelled and glazed shutters for doors, windows and clear storey windows including bright finished/black enamelled ironbutt hinges with necessary screws including carriage of material in all leads and lifts.	338.76 Sqm.	4859.30	sqm	1646136.00

SNo	Discription	Quantity	Rate unit	Amount
16	Supplying and fixing plain glass/Antilo Glass 4 mm thick with putty, glazing clips/glazing pins & l/c chamfered edged beading 20x12mm size of 2nd classdeodar woodetc. Including carriage of material in all leads and lifts.	338.76 Sqm.	494.65 sqm	167568.00
17	Providing and fixing wire guage shutters using galvanised MS wire guage of IS guage designation 85 G. with wire of dia 0.56mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws including carriage of material in all leads and lifts.		4859.30	
	(a) 40mm thick 2nd class deodar wood.	338.76 Sqm.	sqm	1646136.00
18	Providing and fixing 40x3 mm flat iron hold fast 40cm long including fixing to frame with 10mm dia metres bolts , nuts and wooden plug and embeding in cement concrete block 30x10x15 cm 1:3:6(1 cement :3 sand :6 graded stone aggregate 20mm nominal size) including carriage of matearial in all leads and lifts .	1248 Nos	57.50 each	71760.00
19	Providing and fixing Aluminium anodized brass sliding door bolts anodized to required of material in all leads and lifts. colour and shadewith bolts and nuts, screws etc. complete including carriage	80	150.95 each	12076.00
	(a) 300 x 16mm.	Nos		
20	Providing and fixing Aluminium tower bolts(berrel type) anodized transparent or dyed to required shade and colour with screws etc. complete including carriage of material in all leads and lifts.			
	(a) 200x10mm	160 Nos	62.45 each	9992.00
	(b) 150X10mm.	1472 Nos	45.20 each	66534.00
21	Providing and fixing Aluminium handles anodized transparent or dyed to required colour or shade with necessary screws including carriage of material in all leads and lifts .			
	(a) 125mm	160 Nos	31.50 each	5040.00
	(b) 100 mm	912 Nos	25.70 each	23438.00

SNo	Discription	Quantity	Rate unit	Amount
22	Providing and fixing 100mm bright finished brass floor door stopper with rubber cusion screws etc. to suit shutter thickness complete including carriage of material in all leads and lifts ..	120 Nos	182.10 each	21852.00
23	Providing and fixing bright finished hand drawn hooks and eyes			
	(a) 150 mm	912 Nos	10.55 each	9622.00
24	Providing and fixing Brass Hydraulic doors spring including carriage of material in all leads and lifts .	120 Nos	800.00 each	96000.00
25	Providing and fixing grills of required pattern in wooden /steel /pressed steel chowkhats of window etc.with M.S.flats,square or round bars with round headed bolts and nuts or screws or by welding complete of any design plain grills including carriage of material in all leads and lifts.ornamental grill	7462.80 Kg	178.10 kg	1329125.00
26	Providing and fixing 12.5 mm thick Eco tiles 600mmx1200mm size fixed exposed in the T grid as per reqired pattern in ceiling and as per the direction of Engineer in charge.	750.00 Sqm	1600 Sqm	1200000.00
27	Providing and fixing 12 mm thick gypsum board ceiling as per reqired pattern in ceiling and as per the direction of Engineer in charge excludin the cost of frame work.	300.00 Sqm	900 Sqm	270000.00

SNo	Discription	Quantity	Rate unit	Amount
28	Providing and fixing anodized aluminium works for doors, windows, ventilators and partitions with extraded built up standard tubular and other sections of approved make to IS-1868(minimum anodic coating of shade AC 15) fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/paneling, C.P. brass/strainless steel screws, all complete as per architectural drawing and the directions of Engineer-in-charge. (a)For doors windows & ventilatorss and glazed partition frames.	279.75 Kg	805 Per Kg	225199.00
29	(b)For shutters of doors, windows and ventilators (Structural Glazing) including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprence gaskets required(fittings & glazing/peneling shall be paid for seperately)	407.10 Kg	418.80 Per Kg	170493.00
30	Providing and fixing glazing in aluminium door, window ventilator shutters((Structural Glazing) and partition etc. with PVC/ neoprone gasket etc. complete as per the Architectural drawing and the direction of Engineer-in-charge (cost of aluminium snap beading shall be paid in basic item).a)with ANTILO glass panes of 4mm thickness(weight not less than 10.00 kg /Sqm.	120.00 Sqm	3000.00 Per Sqm	360000.00
31	Providing and fixing 75mm x60mm moulded hand rails in straight length complete 1st class indian teak wood	60.00 Rmt	1200.00 R Mts	72000.00
32	Providing and fixing Vitrefied tiles 10mm thick (any size and any colour i/c cutting the tiles where ever required) in600x600mm flooring treads of steps etc.with 12mm thick cement mortar 1:3 (1cement :3 sand) and jointed with white cement slurry including carriage of material in all leads and lifts.	1000.00	1839.20 Sqm	1839200.00

SNo	Discription	Quantity	Rate unit	Amount
		Sqm		
33	Providing and fixing 10mm thick Anti skid water proof stain and impect resistent approved shade and colour inheavy duty tiles Nitco or equivalent 400x400mmx10mm manufactured of flooring, treads of steps and landings laid over 12mm thick cement mortar 1:3 (1 cement : 3 sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete.	250.00 Sqm	1,600.00 Sqm	400000.00
34	Cement concrete flooring 1:2:4 (1cement : 2 sand:4 graded stone aggregate 20 mm nominal size)laid in one layer finished with a floating coat of neat Cement.	100.80 Sqm	529.90 Sqm	53414.00
35	25 mm thickprelaminated wooden tile flooring laid over R.C.C/C.C. slab (to be paid separately) (thinly coated with thin layer of hot bitumen blown type) @ 2.45 kg per sq m including fixing of wooden planks in position over wooden plugs fixed in c.c./R.c.c. floor including planning and levelling complete.	100.80 Sqm	1,500.00 Sqm	151200.00
36	Providing and laying Endura/Duro vetrified tiles (300x300mmx10mm) in grey/coloured or of approved shade in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete.	350.00 Sqm	1450.00 Sqm	507500.00
37	Providing and laying spartic ceremic tiles 5.5mm.thick in flooring (300 x300mm. size)treads of steps laid on a bed of 12mm.thick cement mortar 1:3(1cement:3 sand) finished with flush pointing in white cement.	9.90 Sqm	1,094.60 Sqm	10837.00
38	Providing and laying granite stone in flooring 20mm(average)thickness base of cement mortar 1:3(1cement:3 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete. 20mm.thick	129.38 Sqm	3,555.60 Sqm	460006.00

SNo	Discription	Quantity	Rate	unit	Amount
39	Providing and fixing glazed tiles 6 mm thick (any size and any colour i/c cutting the tiles where ever required) in skirting riser of steps and dado 12mm thick cement mortar 1:3 (1cement :3 sand) and jointed with white cement slurry including carriage of material in all leads and lifts	656.00 Sqm	755.10	Sqm.	495346.00
40	Providing and fixing on wall face CI rain water pipe including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement : 2 sand) including carriage of material in all leads and lifts. (i) 100 mm dia pipe.	252.00 Rmt	438.00	Rmt	110376.00
41	Providing and fixing MS holder bat clamps of approved design to CI or SCI pipes embeded in and including cement concrete blocks 10x10x10 cms of 1:2:4 mix(1cement:2sand:4graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. including carriage of material in all leads and lifts. (i) 100 mm diameter for CI pipe	96 Nos	96.10	Each	9226.00
42	Providing and fixing on wall face CI accessories for rain water pipe including filling the joints with spun yarn soaked in a cement slurry and cement mortar 1:2 (1 cement:2 sand) including carriage of material in all leads and lifts.				
	a) C.I. Plain bend 100mm diameter	12 Nos	207.00	Each	2484.00
	b) C.I. Plain shoes 100mm diametre	12 Nos	221.95	Each	2663.00
43	Providing and fixing in R.C.C slab,during laying,rectangular cast iron box 180 mm x 100mm x 100 mm with holes and on notiches as required bottom and top lids of 1.6 mm thick M.S.sheet fixed with 3.5 dia round headed screws together with M.S fan clamp,type-III of 12 mm dia, M.S. box bent to shape with hooked ends as per standard design including painting exposed Portion.	140 Nos	89.25	Each	12495.00

SNo	Discription	Quantity	Rate	unit	Amount
44	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accesoriees as required as per the direction of Engineer-in-charge.	533.00 Sqm	1108.00	Sqm	590564.00
45	Providing and fixing ridges or hips 60 cm overall with 0.60mm thick prepainted steel sheets in roofing with hot dipped metalic zinc coated sheets with top coat of regular modified polyster organic coating of 20 microns over 5 microns primer coating + back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts & and bitumen washers complete with all accessories as required as per the direction of Engineer in Charges.	640.00 Rmt	391.30	Rmt	250432.00
46	Steel work welded in built up sections, trusses and framed work, including cutting,hoisting, fixing in position and applying a priming coat of red lead paint includingcarriage of material in all leads and lifts: common rafters and the like.				
	(a) In beams, joists, channels angles, tees, flats with connecting plates or angle cleats in main and cross beams, hip and jack rafters, purlins connection.	163.25 QTL	9050.00	Qtl	1477413.00
	(b) In gratings, framed guards, bars, ladders, railings, brackets and similar works	34.92 QTL	9000.00	Qtl	314280.00
47	6 mm cement plaster two ceiling in cement mortar 1 : 3 (1 cement : 3 sand) including carriage of material in all leads and lifts.	1,720.00 Sqm.	190.00	Sqm	326800.00
48	15 mm cement plaster in single coat on fair side of brick/concrete/stone walls for interior plastering upto all heights including arises, Internal rounded angles, chamfers and / or rounded angles not exceeding 80 mm in girth and finished even and smooth in cement mortar 1:5 (1 cement : 5 sand) including carriage of material in all leads and lifts.	218.10 Sqm	255.00	sqm	55616.00

SNo	Discription	Quantity	Rate unit	Amount
49	20 mm cement plaster in single coat on rough side of brick / stone masonry for interior plastering upto all heights including arises, nternal rounded angles, champhers and / or rounded angles not exceeding 80 mm in girths and finished even and smooth in cement mortar 1:4 (1 cement : 4 sand) including carriage of material in all leads and lifts.	380.00 3137.25 Sqm	sqm	1192155.00
50	Painting un-decorated ceiling and / or sloping roofs surfaces(two coats) with acrlic paint to give an even shade including thoroughly brooming the surface to remove all dirt, dust, mortar dirt and other foreign matter texture paint	127.64 1720.00 Sqm	sqm	219541.00
51	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete.	127.64 2092.00 Sqm	sqm	267023.00
52	Applying one coat of Acrylic primer (Spectrum or equivalent of Superior quality) on new concrete/masonry/plastred surfaces after and including preparing the surface by thoroughly brushing the surface free from mortar droppings and other foreign matters, sand papering the surface smooth complete.	2092.00 Sqm	23.50 sqm	49162.00
53	Applying one coat of AcrylicWashable emulsion Spectrum quartz king or equivalent finish for interior painting with brushes plain smooth finish composed of acrylic polymere in emulsion inorganic/special pigment siliceous aggregate anti fungicides anti-rusting & foaming in two coat i/c necessary putty to give smooth even surface, sand papered smooth complete.	127.64 2092.00 Sqm	sqm	267023.00
54	Finishing Outer surface of Wall with flakes of Heritage tiles of approved shade and mixtures duly polished complete in all respect.	210.00 Sqm	1000.00 sqm	210000.00
55	Finishing internal surface of Wall with flakes of Heritage tiles of approved shade and mixtures duly polished complete in all respect.	19.80	850.00 sqm	16830.00

SNo	Discription	Quantity	Rate unit	Amount
		Sqm		
56	Applying priming coat over new wood and wood based surfaces after and including preparing the surface by throughly cleaning oil grease dirt and other foreign matter sand papering and knotting. readymixed paint brushing wood primer pink including carriage of material in all leads and lifts.	Sqm 1370.68 Sqm	52 Sqm	71275.00
57	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matter, sand papering and stopping:with enamel paint other than white.	127.30 685.34 Sqm	Sqm	87244.00
58	Painting two coats (excluding priming coat) on steel or metal surfaceswith enamel paint to give an even shade including cleaning the surface of all dirt,dust and other foreign matter, sand papering and stopping:(a) With white enamel paint or other than white.	121.30 388.00 Sqm	Sqm	47064.00
59	Providing under layer for plinth protection of 75 mm thick (unconsolidated) bed of dry bricks/stone aggregate 40 mm nominal size well rammed and consolidated and grouted with fine sand including preparation of ground including carriage of material in all leads and lifts.	548.30 37.45 Sqm	Sqm	20534.00
60	Providing plinth protection 50 mm thick in cement concrete 1:3:6 (1cement: 3sand:6 graded stone aggregate 20 mm nominal size) including finishing the top surface of concrete smooth including carriage of material in all leads and lifts.	37.45 Sqm	650.00 Sqm	24343.00
			Total:- Rs.	**44982278.00**
				44982278.00

SNo	Discription	Quantity	Rate unit	Amount

GENRAL ABSTRACT OF COST

Estimate for Construction of The Amba Prasad Rotary Charitable EYE HOSPITAL (Near MC Parking Chatrokhari) at Sundernagar,TEHSIL SUNDERNAGAR DISTT. MANDI (CIVIL WORK)

SNo	Discription	Quantity	Rate unit	Amount
1	Construction of OF The Amba Prasad Rotary Charitable EYE Hospital BUILDING AT SUNDERNAGAR DISTT. MANDI (CIVIL WORK)	As per Annexure A attached		44982278.00
2	Providing internal WS and SI	12.5% of Item No.1		5622784.00
3	Providing internal electrical Installation.	12.5% of Item No.1		5622784.00
4	Add for cost for Rain Water harvesting Tank			500000.00
	Total 1 to 4 = (B)	**TOTAL**		**56727846.00**
5	Add for Approach road & Site Developments	L S		2500000.00
6	Add for Arboriculture and gardening	L S		250000.00
	Total B+ 5 & 6 = (C)	**TOTAL**		**59477846.00**
7	Add 3% Contingencies Charges			1784335.00
8	Add 7% Premium on the item C above on the Schedule rates of HPPWD 2020 till date			4163449.00
	Total C + 7 & 8 = (D)			**65425630.00**
9	Add 18% GST on itme no D above			11776613.00
		GRAND TOTAL		**77202243.00**

SAY (Rs 7.72 Cr) Seven Crore & Seventy Two Lacs only

Naresh Kumar Verma,
Architect

M/s Vaidhan & Associates
Authorised Signatory

DETAIL OF MEASUREMENTS

Estimate for Construction of The Amba Prasad Rotary Charitable EYE HOSPITAL (Near MC Parking Chatrokhari) at Sundernagar,TEHSIL SUNDERNAGAR DISTT. MANDI (CIVIL WORK)

S No.	Description	No.	L	B	H	Qty.
1	**Cutting of Plot as per drawing -Earth Work**					
	Basement-IV	1	25.00	6.00	3.50	525.00 CUM
	Basement-III	1	25.00	6.00	3.50	525.00 CUM
	Basement-II	1	25.00	6.00	3.50	525.00 CUM
					AV	**1575.00** CUM
2	**Excavation in foundation trenches at all Floor Level**					
	Column at Nalah Level to Basement- IV Level	5	3.50	3.50	1.50	91.88 CUM
		1	6.00	3.70	1.50	33.30 CUM
		1	24.40	3.60	1.50	131.76 CUM
		1	3.00	3.40	1.50	15.30 CUM
		1	7.60	3.00	1.50	34.20 CUM
	Basement Floor- III Level					
		1	19.80	3.00	1.50	89.10 CUM
		1	6.00	3.00	1.50	27.00 CUM
	Basement Floor- II Level					
		1	25.00	3.60	1.50	135.00 CUM
		1	3.00	3.60	1.50	16.20 CUM
		1	7.50	3.60	1.50	40.50 CUM
	Basement Floor- I Level					
		1	9.00	3.60	1.50	48.60 CUM
		1	2.00	3.60	1.50	10.80 CUM
	Ground Floor					
		1	5.50	6.00	1.50	49.50 CUM
					Total	**723.14** CUM
3	**SAND FILLING UNDER FLOOR**					
	Basement-IV					
		1	200.00	1.00	0.10	20.00 CUM
	Basement-III					
		1	100.80	1.00	0.10	10.08 CUM
	Basement-II					
		1	126.00	1.00	0.10	12.60 CUM
	Basement-I					
		1	25.00	1.00	0.10	2.50 CUM
					Total	**45.18** CUM
4	**PROVIDING FORM WORK**					
a	**Foundation footing, Bases of Columns**					
	Column at Nalah Level to Basement- IV Level-5x4	20	3.50		0.20	14.00 Sqm.
	1x4	4	6.00		0.65	15.60 Sqm.
		4	24.40		0.65	63.44 Sqm.
		4	3.00		0.65	7.80 Sqm.
		4	7.60		0.65	19.76 Sqm.
	Basement Floor- III Level					

S No.	Description	No.	L	B	H	Qty.
		4	19.80		0.65	51.48 Sqm.
		4	6.00		0.65	15.60 Sqm.
	Basement Floor- II Level					
		4	25.00		0.65	65.00 Sqm.
		4	3.00		0.65	7.80 Sqm.
		4	7.50		0.65	19.50 Sqm.
	Basement Floor- I Level					
		4	9.00		0.65	23.40 Sqm.
		4	2.00		0.65	5.20 Sqm.
	Ground Floor					
		4	5.50		0.65	14.30 Sqm.
					Total	**322.88 Sqm.**
b	**FLAT SURFACES SUCH AS SOFFITS & RCC SLABS**					
	Basement Floor-III Level					
	RCC Slab					
		1	250.00	1.00		250.00 Sqm.
	Basement Floor-II Level					
	RCC Slab					
		1	360.00	1.00		360.00 Sqm.
	Basement Floor-I Level					
	RCC Slab					
		1	410.00	1.00		410.00 Sqm.
	Ground/ Road Level Plan					
	RCC Slab					
		1	390.00	1.00		390.00 Sqm.
	First Floor Level					
	RCC Slab					
		1	310.00	1.00		310.00 Sqm.
					Total	**1720.00 Sqm.**
c	**VERTICAL SURFACES SUCH AS RCC WALLS**					
	Basement Floor-IV Level					
	RCC Walls					
	1x2	2	30.00	3.00		180.00 Sqm.
	Basement Floor-III Level					
	RCC Walls					
	1x2	2	25.00	3.00		150.00 Sqm.
	Basement Floor-II Level					
	RCC Walls					
	1x2	2	30.00	3.00		180.00 Sqm.
	Basement-I Level					
	RCC Walls					
	1x2	2	30.00	3.00		180.00 Sqm.
					Total	**690.00 Sqm**
d	**COLUMNS, PILLERS & VERTICAL POSTS**					
	Above Pedstal:-					
	From Nalah Level to Basement-IV Level					
	Column 2(0.40+0.60)=2.00	18	2.00		3.00	108.00 Sqm.
	Basement-IV to Basement-III Level					
	Column 2(0.40+0.60)=2.00	18	2.00		3.00	108.00 Sqm.
	Basement-III to Basement-II Level					

S No.	Description	No.	L	B	H	Qty.
	Column 2(0.40+0.60)=2.00		25	2.00	3.00	150.00 Sqm.
	Basement-II to Basement-I Level					
	Column 2(0.40+0.60)=2.00		32	2.00	3.00	192.00 Sqm.
	Basement-I to Ground/ Road Level					
	Column 2(0.40+0.60)=2.00		34	2.00	3.00	204.00 Sqm.
	Ground Floor to First Floor					
	Column 2(0.40+0.60)=2.00		34	2.00	3.00	204.00 Sqm.
	First Floor to Terrace Level Floor					
	Column 2(0.40+0.60)=2.00		26	2.00	3.00	156.00 Sqm.
					Total	**1122.00 Sqm.**
e	**STAIRCASE at all Floors**					
	Basement-III to Basement-II Level		25	0.45	1.50	16.88 Sqm.
	Basement-II to Basement-I Level		25	0.45	1.50	16.88 Sqm.
	Basement-I to Ground/ Road Level		25	0.45	1.50	16.88 Sqm.
	Ground Floor to First Floor		25	0.45	1.50	16.88 Sqm.
	First Floor to Terrace Level Floor		25	0.45	1.50	16.88 Sqm.
	Lift Well		8	2.00	2.00	32.00 Sqm.
					Total	**116.40 Sqm.**

S No.	Description	No.	L	B	H	Qty.
f	**RCC BEAMS, GIRDERS**					
	Tie Beam between foundation of Basement-IV and Floor Level at Basement-IV					
	Tie Beams					
	Horizontal Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		1	21.00	1.20	25.20 Sqm.
			1	16.80	1.20	20.16 Sqm.
			2	4.20	1.20	10.08 Sqm.
	Vertical Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		1	3.00	1.20	3.60 Sqm.
			1	6.00	1.20	7.20 Sqm.
			1	9.00	1.20	10.80 Sqm.
			2	12.00	1.20	28.80 Sqm.
			1	6.00	1.20	7.20 Sqm.
	Plinth Beams- At Basement -IV Floor Level					
	Horizontal Beams (300x450 mm) Size 0.90=0.90 mt.(two side)		1	21.00	0.90	18.90 Sqm.
			1	16.80	0.90	15.12 Sqm.
			2	4.20	0.90	7.56 Sqm.
	Vertical Beams (300x450 mm) Size 0.90=0.90 mt.(two side)		1	3.00	0.90	2.70 Sqm.
			1	6.00	0.90	5.40 Sqm.
			1	9.00	0.90	8.10 Sqm.
			2	12.00	0.90	21.60 Sqm.
			1	6.00	0.90	5.40 Sqm.
	Slab Beams- At Basement -III Floor Level					
	Horizontal Beams (300x450 mm) Size 0.30+0.90=1.20 mt.(two side)		1	21.00	1.20	25.20 Sqm.
			1	16.80	1.20	20.16 Sqm.
			2	4.20	1.20	10.08 Sqm.
	Vertical Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		1	3.00	1.20	3.60 Sqm.
			1	6.00	1.20	7.20 Sqm.
			1	9.00	1.20	10.80 Sqm.
			2	12.00	1.20	28.80 Sqm.
			1	6.00	1.20	7.20 Sqm.
	Plinth Beams- At Basement -III Floor Level					
	Horizontal Beams (300x450 mm) Size 0.90=0.90 mt.(two side)		1	16.80	0.90	15.12 Sqm.
	Vertical Beams (300x450 mm) Size 0.90=0.90 mt.(two side)		5	6.00	0.90	27.00 Sqm.
	Slab Beams- At Basement -II Floor Level					
	Horizontal Beams (300x450 mm) Size 0.30+0.90=1.20 mt.(two side)		1	21.00	1.20	25.20 Sqm.
			1	16.80	1.20	20.16 Sqm.
			1	16.80	1.20	20.16 Sqm.

S No.	Description	No.	L	B	H	Qty.
			2	4.20	1.20	10.08 Sqm.
	Vertical Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		1	3.00	1.20	3.60 Sqm.
			1	6.00	1.20	7.20 Sqm.
			1	9.00	1.20	10.80 Sqm.
			2	12.00	1.20	28.80 Sqm.
			1	6.00	1.20	7.20 Sqm.
			5	6.00	1.20	36.00 Sqm.
	Plinth Beams- At Basement -II Floor Level					
	Horizontal Beams (300x450 mm) Size 0.90=0.90 mt.(two side)		1	21.00	0.90	18.90 Sqm.
	Vertical Beams (300x450 mm) Size 0.90=0.90 mt.(two side)		6	6.00	0.90	32.40 Sqm.
	Slab Beams- At Basement -I Floor Level					
	Horizontal Beams (300x450 mm) Size 0.30+0.90=1.20 mt.(two side)		1	21.00	1.20	25.20 Sqm.
			1	16.80	1.20	20.16 Sqm.
			1	16.80	1.20	20.16 Sqm.
			1	21.00	1.20	25.20 Sqm.
			2	4.20	1.20	10.08 Sqm.
	Vertical Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		1	3.00	1.20	3.60 Sqm.
			1	6.00	1.20	7.20 Sqm.
			1	9.00	1.20	10.80 Sqm.
			2	12.00	1.20	28.80 Sqm.
			1	6.00	1.20	7.20 Sqm.
			6	6.00	1.20	43.20 Sqm.
			5	6.00	1.20	36.00 Sqm.
	Slab Beams- At Ground Floor Level					
	Horizontal Beams (300x450 mm) Size 0.30+0.90=1.20 mt.(two side)		1	21.00	1.20	25.20 Sqm.
			1	16.80	1.20	20.16 Sqm.
			1	16.80	1.20	20.16 Sqm.
			1	21.00	1.20	25.20 Sqm.
			2	4.20	1.20	10.08 Sqm.
	Vertical Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		1	3.00	1.20	3.60 Sqm.
			1	6.00	1.20	7.20 Sqm.
			1	9.00	1.20	10.80 Sqm.
			2	12.00	1.20	28.80 Sqm.
			1	6.00	1.20	7.20 Sqm.
			6	6.00	1.20	43.20 Sqm.
			5	6.00	1.20	36.00 Sqm.
	Slab Beams- At First & Roof Level					
	Horizontal Beams (300x450 mm) Size 0.30+0.90=1.20 mt.(two side)		2	21.00	1.20	50.40 Sqm.
			2	16.80	1.20	40.32 Sqm.
			2	16.80	1.20	40.32 Sqm.
			2	21.00	1.20	50.40 Sqm.

S No.	Description	No.	L	B	H	Qty.
			4	4.20	1.20	20.16 Sqm.
	Vertical Beams (300x450 mm) Size.0.30+0.90=1.20 mt.(two side)		2	3.00	1.20	7.20 Sqm.
			2	6.00	1.20	14.40 Sqm.
			2	9.00	1.20	21.60 Sqm.
			4	12.00	1.20	57.60 Sqm.
			2	6.00	1.20	14.40 Sqm.
			12	6.00	1.20	86.40 Sqm.
			10	6.00	1.20	72.00 Sqm.
					Total	**1523.88** Sqm.
g	**Edges of slab**					
	All Floors		6	60.00		360.00 Rmt.
					Total	**360.00 Rmt.**
5	**PCC 1:4:8 IN PLINTH**					
	Basement Floor-IV Level					
			1	200.00	1.00 0.10	20.00 CUM
	Basement Floor-III Level					
			1	16.80	6.00 0.10	10.08 CUM
	Basement Floor-II Level					
			1	21.00	6.00 0.10	12.60 CUM
					Total	**42.68 CUM**
6	**PCC 1:5:10 IN FOUNDATION**					
	Column at Nalah Level to Basement- IV		5	3.50	3.50 0.10	6.13 CUM
			1	6.00	3.70 0.10	2.22 CUM
			1	24.40	3.60 0.10	8.78 CUM
			1	3.00	3.40 0.10	1.02 CUM
			1	7.60	3.00 0.10	2.28 CUM
	Basement Floor- III Level					
			1	19.80	3.00 0.10	5.94 CUM
			1	6.00	3.00 0.10	1.80 CUM
	Basement Floor- II Level					
			1	25.00	3.60 0.10	9.00 CUM
			1	3.00	3.60 0.10	1.08 CUM
			1	7.50	3.60 0.10	2.70 CUM
	Basement Floor- I Level					
			1	9.00	3.60 0.10	3.24 CUM
			1	2.00	3.60 0.10	0.72 CUM
	Ground Floor					
			1	5.50	6.00 0.10	3.30 CUM
					Total	**48.21 CUM**

S No.	Description	No.	L	B	H	Qty.
7	**RCC WORK M-25 Grade**					
a	**In Foundation footing etc.**					
	Column footing	5	3.50	3.50	0.250	15.31 CUM
	Trapezium portion					
	h/3=0.10 A1 + A2 =2.87 Sq.rt of A1x A2= 0.61	5	3.50	3.50	0.610	71.93 CUM
	Column at Nalah Level to Basement- IV	18	0.40	0.60	5.00	21.60 CUM
		1	6.00	3.70	0.75	16.65 CUM
		1	24.40	3.60	0.75	65.88 CUM
		1	3.00	3.40	0.75	7.65 CUM
		1	7.60	3.00	0.75	17.10 CUM
	Basement Floor- III Level					
		1	19.80	3.00	0.75	44.55 CUM
		1	6.00	3.00	0.75	13.50 CUM
	Basement Floor- II Level					
		1	25.00	3.60	0.75	67.50 CUM
		1	3.00	3.60	0.75	8.10 CUM
		1	7.50	3.60	0.75	20.25 CUM
	Basement Floor- I Level					
		1	9.00	3.60	0.75	24.30 CUM
		1	2.00	3.60	0.75	5.40 CUM
	Ground Floor					
		1	5.50	6.00	0.75	24.75 CUM
					Total	**337.23 CUM**
b	**RCC Retaining Walls**					
	Basement- IV to Basement -III Level					
		1	25.20	3.50	0.30	26.46 CUM
	Basement Floor- III to Basement- II Level					
		1	19.80	3.50	0.30	20.79 CUM
	Basement Floor- II to Basement- I Level					
		1	25.00	3.50	0.30	26.25 CUM
	Basement Floor- I to Ground Floor Level					
		1	29.50	3.50	0.30	30.98 CUM
					Total	**104.48 CUM**

S No.	Description	No.	L	B	H	Qty.
c	**Suspended RCC Floor Slab etc**					
	Basement Floor-III Level					
	RCC Slab					
		1	250.00	1.00	0.15	37.50 CUM
	Basement Floor-II Level					
	RCC Slab					
		1	360.00	1.00	0.15	54.00 CUM
	Basement Floor-I Level					
	RCC Slab					
		1	410.00	1.00	0.15	61.50 CUM
	Ground/ Road Level Plan					
	RCC Slab					
		1	410.00	1.00	0.15	61.50 CUM
	First Floor Level					
	RCC Slab					
		1	390.00	1.00	0.15	58.50 CUM
	Roof Level Slab					
	RCC Slab	1	310.00	1.00	0.15	46.50 CUM
					Total	**319.50 CUM**
	Tie Beams					
	Horizontal Beams (300x450 mm)	1	21.00	0.40	0.45	3.78 CUM
		1	16.80	0.40	0.45	3.02 CUM
		2	4.20	0.40	0.45	1.51 CUM
	Vertical Beams (300x450 mm)	1	3.00	0.40	0.45	0.54 CUM
		1	6.00	0.40	0.45	1.08 CUM
		1	9.00	0.40	0.45	1.62 CUM
		2	12.00	0.40	0.45	4.32 CUM
		1	6.00	0.40	0.45	1.08 CUM
	Plinth Beams- at Basement -IV Floor					
	Horizontal Beams (300x450 mm)	1	21.00	0.30	0.45	2.84 CUM
		1	16.80	0.30	0.45	2.27 CUM
		2	4.20	0.30	0.45	1.13 CUM
	Vertical Beams (300x450 mm)	1	3.00	0.30	0.45	0.41 CUM
		1	6.00	0.30	0.45	0.81 CUM
		1	9.00	0.30	0.45	1.22 CUM
		2	12.00	0.30	0.45	3.24 CUM
		1	6.00	0.30	0.45	0.81 CUM
	Slab Beams- at Basement -III Floor					
	Horizontal Beams (300x450 mm)	1	21.00	0.30	0.45	2.84 CUM
		1	16.80	0.30	0.45	2.27 CUM
		2	4.20	0.30	0.45	1.13 CUM
	Vertical Beams (300x450 mm)	1	3.00	0.30	0.45	0.41 CUM
		1	6.00	0.30	0.45	0.81 CUM
		1	9.00	0.30	0.45	1.22 CUM
		2	12.00	0.30	0.45	3.24 CUM
		1	6.00	0.30	0.45	0.81 CUM
	Plinth Beams- at Basement -III Floor					
	Horizontal Beams (300x450 mm)	1	16.80	0.30	0.45	2.27 CUM
	Vertical Beams (300x450 mm)	5	6.00	0.30	0.45	4.05 CUM
	Slab Beams- at Basement -II Floor					
	Horizontal Beams (300x450 mm)	1	21.00	0.30	0.45	2.84 CUM
		1	16.80	0.30	0.45	2.27 CUM
		1	16.80	0.30	0.45	2.27 CUM
		2	4.20	0.30	0.45	1.13 CUM
	Vertical Beams (300x450 mm)	1	3.00	0.30	0.45	0.41 CUM
		1	6.00	0.30	0.45	0.81 CUM
		1	9.00	0.30	0.45	1.22 CUM

S No.	Description	No.	L	B	H	Qty.
		2	12.00	0.30	0.45	3.24 CUM
		1	6.00	0.30	0.45	0.81 CUM
		5	6.00	0.30	0.45	4.05 CUM
	Plinth Beams- at Basement -II Floor					
	Horizontal Beams (300x450 mm)	1	21.00	0.30	0.45	2.84 CUM
	Vertical Beams (300x450 mm)	6	6.00	0.30	0.45	4.86 CUM
	Slab Beams- at Basement -I Floor					
	Horizontal Beams (300x450 mm)	1	21.00	0.30	0.45	2.84 CUM
		1	16.80	0.30	0.45	2.27 CUM
		1	16.80	0.30	0.45	2.27 CUM
		1	21.00	0.30	0.45	2.84 CUM
		2	4.20	0.30	0.45	1.13 CUM
	Vertical Beams (300x450 mm)	1	3.00	0.30	0.45	0.41 CUM
		1	6.00	0.30	0.45	0.81 CUM
		1	9.00	0.30	0.45	1.22 CUM
		2	12.00	0.30	0.45	3.24 CUM
		1	6.00	0.30	0.45	0.81 CUM
		6	6.00	0.30	0.45	4.86 CUM
		5	6.00	0.30	0.45	4.05 CUM
	Slab Beams- at Ground Floor Level					
	Horizontal Beams (300x450 mm)	1	21.00	0.30	0.45	2.84 CUM
		1	16.80	0.30	0.45	2.27 CUM
		1	16.80	0.30	0.45	2.27 CUM
		1	21.00	0.30	0.45	2.84 CUM
		2	4.20	0.30	0.45	1.13 CUM
	Vertical Beams (300x450 mm)	1	3.00	0.30	0.45	0.41 CUM
		1	6.00	0.30	0.45	0.81 CUM
		1	9.00	0.30	0.45	1.22 CUM
		2	12.00	0.30	0.45	3.24 CUM
		1	6.00	0.30	0.45	0.81 CUM
		6	6.00	0.30	0.45	4.86 CUM
		5	6.00	0.30	0.45	4.05 CUM
	Slab Beams- at First & Roof Level					
	Horizontal Beams (300x450 mm)	2	21.00	0.30	0.45	5.67 CUM
		2	16.80	0.30	0.45	4.54 CUM
		2	16.80	0.30	0.45	4.54 CUM
		2	21.00	0.30	0.45	5.67 CUM
		4	4.20	0.30	0.45	2.27 CUM
	Vertical Beams (300x450 mm)	2	3.00	0.30	0.45	0.81 CUM
		2	6.00	0.30	0.45	1.62 CUM
		2	9.00	0.30	0.45	2.43 CUM
		4	12.00	0.30	0.45	6.48 CUM
		2	6.00	0.30	0.45	1.62 CUM
		12	6.00	0.30	0.45	9.72 CUM
		10	6.00	0.30	0.45	27.00 CUM
					Total	**201.35 CUM**
d	**Column Pillar Posts etc.**					
	Above Pedstal:-					
	From Nalah Level to Basement-IV					
	Column	18	5.00	0.40	0.60	21.60 CUM
	Basement-IV to Basement-III Level					
	Column	18	4.00	0.40	0.60	17.28 CUM
	Basement-III to Basement-II Level					
	Column	25	4.00	0.40	0.60	24.00 CUM
	Basement-II to Basement-I Level					
	Column	32	4.00	0.40	0.60	30.72 CUM
	Basement-I to Ground/ Road Level					
	Column	34	3.00	0.40	0.60	24.48 CUM
	Ground Floor to First Floor					
	Column	34	3.00	0.40	0.60	24.48 CUM

S No.	Description	No.	L	B	H	Qty.
	First Floor to Terrace Level Floor					
	Column	26	3.00	0.40	0.60	18.72 CUM
					Total	**161.28 CUM**
e	**Stair cases etc.**					
	Basement-III to Basement-II Level	25	0.45	0.15	1.50	2.53 CUM
	Basement-II to Basement-I Level	25	0.45	0.15	1.50	2.53 CUM
	Basement-I to Ground/ Road Level	25	0.45	0.15	1.50	2.53 CUM
	Ground Floor to First Floor	25	0.45	0.15	1.50	2.53 CUM
	First Floor to Terrace Level Floor	25	0.45	0.15	1.50	2.53 CUM
	Lift Well	8	2.00	0.15	2.00	4.80 CUM
					Total	**17.45 CUM**
8	**Tor steel reinforcement**					
	Qty same as per item No.7a	337.23	Cum @ 100 Kg/ Cum			**33723.00** Kgs
	Qty same as per item No.7b	104.48	Cum @ 150 Kg/ Cum			**15672.00** Kgs
	Qty same as per item No.7c	201.35	Cum @ 150 Kg/ Cum			**30202.50** Kgs
	Qty same as per item No.7d	161.28	Cum @ 150 Kg/ Cum			**24192.00** Kgs
	Qty same as per item No.7e	17.45	Cum @ 120 Kg/ Cum			**2094.00** Kgs
						105883.50 Kgs
9	**Brick masonry in cement mortar in Foundation and plinth**					
	STEP 1					
	Walls 11.5 cm thick AT GF Level					
	WALL OF TOILET	1	3.40	0.460	0.15	0.23 CUM
	Walls 11.5 cm thick AT FF Level					
	WALL OF ENT. PORCH	2	2.15	0.460	0.15	0.30 CUM
	WALL OF TOILET	1	3.40	0.460	0.15	0.23 CUM
	STEP 2					
	Walls 11.5 cm thick AT GF Level					
	WALL OF TOILET	1	3.40	0.345	0.15	0.18 CUM
	Walls 11.5 cm thick AT FF Level					
	WALL OF ENT. PORCH	2	2.15	0.345	0.15	0.22 CUM
	WALL OF TOILET	1	3.20	0.345	0.15	0.17 CUM
	STEP 3					
	Walls 11.5 cm thick AT GF Level					
	WALL OF TOILET	1	3.40	0.23	0.60	0.47 CUM
	Walls 11.5 cm thick AT FF Level					
	WALL OF ENT. PORCH	2	2.15	0.23	0.60	0.59 CUM
	WALL OF TOILET	1	3.20	0.23	0.60	0.44 CUM
					Total	**2.83 CUM**
10	**BRICK MASONARY IN SUPER STRUCTURE**					
	Basement -IV Floor Level					
	Outer Walls	1	33.00	0.23	3.00	22.77 CUM
	Basement -III Floor Level					
	Outer Walls	1	33.00	0.23	3.00	22.77 CUM
		1	12.00	0.23	3.00	8.28 CUM
	Basement -II Floor Level					
	Outer Walls	1	39.00	0.23	3.00	26.91 CUM
		1	30.00	0.23	3.00	20.70 CUM
	Basement -I Floor Level					
		1	42.00	0.23	3.00	28.98 CUM
	Outer Walls	1	36.00	0.23	3.00	24.84 CUM
	Ground Floor Level					
	Outer Walls	1	70.00	0.23	3.00	48.30 CUM
		1	18.00	0.23	3.00	12.42 CUM
	First Floor Level					

S No.	Description		No.	L	B	H	Qty.
	Outer Walls		1	60.00	0.23	3.00	41.40 CUM
			1	12.00	0.23	3.00	8.28 CUM
						Total	**265.65 CUM**
	Deductions						
	Windows	W	12	2.40	0.23	2.00	**13.25 CUM**
	Windows	W1	20	2.55	0.23	2.00	**23.46 CUM**
	Windows	W2	20	3.00	0.23	2.00	**27.60 CUM**
	Windows	W3	20	2.00	0.23	2.00	**18.40 CUM**
	Windows	W4	14	2.20	0.23	2.00	**14.17 CUM**
	Windows	W5	10	1.00	0.23	1.50	**3.45 CUM**
						Total Deduction	**100.33 CUM**
	Net QTY after deduction		**265.65**	**(-)**	**100.33**		**165.32 CUM**
11	**HALF BRICK MASONARY 1:4**						
	Basement -IV Floor Level						
	Inner Walls		1	48.00		3.50	168.00 Sqm.
	Basement -III Floor Level						
	Inner Walls		1	30.00		3.50	105.00 Sqm.
			1	36.00		3.50	126.00 Sqm.
	Basement -II Floor Level						
	Inner Walls		1	48.00		3.50	168.00 Sqm.
			1	54.00		3.50	189.00 Sqm.
	Basement -I Floor Level						
			1	48.00		3.50	168.00 Sqm.
	Inner Walls		1	54.00		3.50	189.00 Sqm.
	Ground Floor Level						
	Inner Walls		1	40.00		3.50	140.00 Sqm.
			1	48.00		3.50	168.00 Sqm.
	First Floor Level						
	Inner Walls		1	30.00		3.50	105.00 Sqm.
			1	42.00		3.50	147.00 Sqm.
						Total	**1673.00 Sqm.**
	Deductions						
	Door	D	30	1.00		2.50	75.00 Sqm.
	Door	D1	25	1.50		2.50	93.75 Sqm.
	Door	D2	20	0.80		2.50	40.00 Sqm.
						Total Deduction	**208.75 Sqm.**
	Net QTY after deduction		**1673.00**	**(-)**	**208.75**		**1464.25 Sqm.**
12	**Stone filling behind Retaining walls**						
	Basement- IV to Basement -III Level						
			1	25.20	3.50	0.60	52.92 CUM
	Basement Floor- III to Basement- II Level						
			1	19.80	3.50	0.60	41.58 CUM
	Basement Floor- II to Basement- I Level						
			1	25.00	3.50	0.60	52.50 CUM
	Basement Floor- I to Ground Floor Level						
			1	29.50	3.50	0.60	61.95 CUM
						Total	**208.95 CUM**
13	**Providing Wood work**						
	Door	D	30x2	60	2.50		150.00
			30x2	60	1.00		60.00
	Door	D1	25x2	50	1.50		75.00
			25x2	50	2.50		125.00
	Door	D2	25X1	25	0.90		22.50
			25X2	50	2.10		105.00
	Windows	W	12X3	36	2.40		86.40

S No.	Description			No.	L	B	H	Qty.
			12X4	48	2.00			96.00
	Windows	W1	20X3	60	2.55			153.00
			20X4	80	2.00			160.00
	Windows	W2	20X3	60	3.00			180.00
			20X4	80	2.00			160.00
	Windows	W3	20X3	60	2.00			120.00
			20X4	80	2.00			160.00
	Windows	W4	14X3	42	2.20			92.40
			14X4	56	2.00			112.00
	Windows	W5	10X3	30	1.00			30.00
			10X4	40	1.50			60.00
							Total Length	1947.30
	Qty. of wood			1	1947.30	0.08	0.115	**16.80 CUM**
14	**P/F 40mm thick flush door shutters**							
	Door	D		30	1.00		2.1	63.00 **Sqm.**
	Door	D2		25	0.90		2.1	47.25 **Sqm.**
								110.25 Sqm.
15	**P/F glazed window shutters**							
	Door	D1		25	2.40		2.50	150.00 **Sqm.**
	Windows	W		12	2.55		2.00	61.20 **Sqm.**
	Windows	W1		20	3.00		2.00	120.00 **Sqm.**
	Windows	W2		20	2.00		2.00	80.00 **Sqm.**
	Windows	W3		20	2.20		2.00	88.00 **Sqm.**
	Windows	W4		14	1.80		2.00	50.40 **Sqm.**
	Windows	W5		10	1.00		1.50	15.00 **Sqm.**
								564.60 Sqm.
							Taking 60% for openable	**338.76 Sqm.**
16	**Supplying and fixing glass panes**						Taking 40% for fixed shutters	**225.84 Sqm.**
17	**Wire guage Shutters**						Qty as per openable shutters	338.76 **Sqm.**
							Total	**338.76 Sqm.**
18	**Hold fast**							
	Door			80	x	6		480 Nos
	Windows			96	x	8		768 Nos
								1248 Nos
19	P/F Sliding Door bolts							
	Door			80	x	1		80 Nos
								80 Nos
20	P/F Aluminium tower bolts							
a	250x10mm							
	Door			80	x	2		160 Nos
								160 Nos
b	**200x10**							
	Door	D1		80	x	4		320 Nos
	Windows	W		96	x	12		1152 Nos
								1472 Nos

S No.	Description		No.	L		B	H	Qty.
21	**P/F brass Handles**							
a	**125mm**							
	Door			80	x	2		160 Nos
								160 Nos
b	**100mm**							
	Door	D		80	x	2		160 Nos
	Door	D1		2	x	2		4 Nos
	Door	D2		3	x	2		6 Nos
	Windows	D W1		4	x	2		8 Nos
	Windows	W		96	x	6		576 Nos
	Windows	W1		4	x	6		24 Nos
	Windows	W2		22	x	6		132 Nos
	Service Window			1	x	2		2 Nos
								912 Nos
22	Providing and fixing 100mm bright finished Aluminium floor door stopper with twin rubber.							
	Door			120	x	1		120 Nos
23	Providing and fixing oxidized Aluminium hooks and eyes including carriage of material in all leads and lifts 250mm							
	QTY AS PER ITEM OF HANDLE							**912 Nos**
24	P/F bright finished brass hydraulic door spring mm including carriage of material in all leads &lifts.							
	Door			120	x	1		120 Nos
25	**Providing and fixing grills of required pattern in wooden /steel /pressed steel**							
	Windows	W		12	2.55		2.00	61.20 **Sqm.**
	Windows	W1		20	3.00		2.00	120.00 **Sqm.**
	Windows	W2		20	2.00		2.00	80.00 **Sqm.**
	Windows	W3		20	2.20		2.00	88.00 **Sqm.**
	Windows	W4		14	1.80		2.00	50.40 **Sqm.**
	Windows	W5		10	1.00		1.50	15.00 **Sqm.**
								414.60 Sqm.
			414.60	x18kg/Sqm				**7462.80 Kg**
26	Providing and fixing 12.5 mm thick Eco tiles 600mmx1200mm size fixed exposed in the T grid as per reqired pattern in ceiling and as per the direction of Engineer in charge.							
	Main Areas			1	750.00	1.00		750.00 **Sqm.**
							TOTAL	**750.00 Sqm.**
27	Providing and fixing 12 mm thick gypsum board ceiling as per reqired pattern in ceiling and as per the direction of Engineer in charge excludin the cost of frame work.							
	Main Areas			1	300.00	1.00		300.00 **Sqm.**
							TOTAL	**300.00 Sqm.**

S No.	Description	No.	L	B	H	Qty.
28	Providing and fixing anodized aluminium works for doors, windows, ventilators and partitions with extraded built up standard tubular and other sections of approved make to IS-1868(minimum anodic coating of shade AC 15) fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/paneling, C.P. brass/strainless steel screws, all complete as per architectural drawing and the directions of Engineer-in-charge. (a)For doors windows & ventilatorss and glazed partition frames.					
	Main Ent. Door		1	6.00	2.50	15.00 Sqm.
					TOTAL	**15.00 Sqm.**
	Taking 18.65 kg per sqm					**279.75 Kg**
29	(b)For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprence gaskets required(fittings & glazing/peneling shall be paid for seperately)					
	Door Dw		1	2.00	2.5	5.00 Sqm.
	Windows D W		2	1.37	1.75	4.80 **Sqm.**
	Windows W3		2	4.74	2.70	25.60 **Sqm.**
					TOTAL	**35.40 Sqm.**
	Taking 11.50kg per sqm					**407.10 Kg**

S No.	Description	No.	L	B	H	Qty.
30	Providing and fixing glazing in aluminium door, window ventilator shutters and partition etc. with PVC/ neoprone gasket etc. complete as per the Architectural drawing and the direction of Engineer-in-charge(cost of aluminium snap beading shall be paid in basic item).a)with glass panes jof 4mm thickness(weight not less than 10.00 kg /Sqm.					
	Staircase Gazining	2	3.00		25	150.00 Sqm.
					TOTAL	**150.00 Sqm.**
	Taking 80% for glazing					**120.00 Sqm.**
31	Providing and fixing 75mm x60mm moulded hand rails in straight length complete 1st class indian teak wood					
	Stair case hand rail	5	12.00			**60.00 Rmt.**
32	Providing and fixing Vitrefied tiles 10mm thick (any size and any colour i/c cutting the tiles where ever required) in600x600mm flooring treads of steps etc.with 12mm thick cement mortar 1:3 (1cement :3 sand) and jointed with white cement slurry including carriage of material in all leads and lifts.					
	Area	1	1000.00	1.00		1000.00 **Sqm.**
						1000.00 Sqm.
33	Providing and fixing 10mm thick Anti skid water proof stain and impect resistent approved shade and colour inheavy duty tiles Nitco or equivalent 400x400mmx10mm manufactured of flooring, treads of steps and landings laid over 12mm thick cement mortar 1:3 (1 cement : 3 sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete.					
	Toilets & Stores/ IT Rooms	1	250.00	1.00		250.00 **Sqm.**
					TOTAL	**250.00 Sqm.**
34	Cement concrete flooring 1:2:4 (1cement : 2 sand:4 graded stone aggregate 20 mm nominal size)laid in one layer finished with a floating coat of neat Cement.					
	Visiting Doctor's Room	6	4.00	4.20		100.80 **Sqm.**
					TOTAL	**100.80 Sqm.**
35	25 mm thickprelaminated wooden tile flooring laid over R.C.C/C.C. slab (to be paid separately) (thinly coated with thin layer of hot bitumen blown type) @ 2.45 kg per sq m including fixing of wooden planks in position over wooden plugs fixed in c.c./R.c.c. floor including planning and levelling complete.					
	Visiting Doctor's Room	6	4.00	4.20		100.80 **Sqm.**
					TOTAL	**100.80 Sqm.**

S No.	Description	No.	L	B	H	Qty.
36	Providing and laying Endura/Duro vetrified tiles (300x300mmx10mm) in grey/coloured or of approved shade in flooring, treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete.					
	Open Balcony/ Areas		1	350.00	1.00	350.00 **Sqm.**
					TOTAL	**350.00 Sqm.**
37	Providing and laying ceramic tile 5.5mm thick FLOORING					
	TOILET IN GF		1	3.40	1.50	5.10 **Sqm.**
	TOILET IN FF		1	3.20	1.50	4.80 **Sqm.**
						9.90 Sqm.
38	Granite stone flooring					
	STAIRCASE Lobby		5	3.00	1.5	22.50 **Sqm.**
	RISER		125	1.50	0.30	56.25 **Sqm.**
	TREADS		125	1.50	0.15	28.13 **Sqm.**
	LANDING		5	1.50	3.00	22.50 **Sqm.**
						129.38 Sqm.
39	Providing and fixing glazed tiles 6 mm thick (any size and any colour i/c cutting the tiles where ever required) in skirting riser of steps and dado 12mm thick cement mortar 1:3 (1cement :3 sand) and jointed with white cement slurry including carriage of material in all leads and lifts					
	All Toilets		40	8.00	(+) 1.00	**320.00**
						320.00
	Total QTY		320.00	x	2.05	**656.00 Sqm.**
						656.00 Sqm.
40	Providing and fixing C I rain water pipe.		12	x	21.00	**252.00 Rmt.**
41	Providing and fixing clamps for fixing of CI rain water pipes.		12	x	8	**96 Nos**
42	P/F on wall faceCI accessories for rain water pipe.					
	Plain bend 100mm diameter		12			**12 Nos**
	Plain Shoe 100mm diameter		12			**12 Nos**

S No.	Description	No.	L	B	H	Qty.
43	Providing and fixing M.S.fan clamp type-I of 16mm dia M.S.bar bent to shape					
		20	x		1	**20 Nos**
		30	x		1	**30 Nos**
		90	x		1	**90 Nos**
						140 Nos
44	PREPAINTED SHEET ROOFING					
	ROOF OVER Roof Slab					
	Flat area					
	Flat Area					**410.00 Sqm.**
						410.00 Sqm.
	Add 30% for sloping area					**123.00 Sqm.**
						533.00 Sqm.
45	PREPAINTED PGI RIDGE	20	32.00			**640.00 RMT**
46	Steel work welded in built up section.					
a	In trusses and purlins	Qty as per roof @ 25 kg per sqm				
		533.00	x	25		**133.25 QTL**
	Ceiling	Qty as per ceiling @ 15 kg per sqm				
		200.00	x	15		**30.00 QTL**
						163.25 QTL
b	**MS Railing**					
	Balconies/ Verandah	5	10.00		1.00	**50.00 Sqm.**
	Terraces	2	35.00		1.20	**84.00 Sqm.**
	Staircase	5	12.00		1.00	**60.00 Sqm.**
						194.00 Sqm.
		194.00	Sqm @ 18 Kg/Sqm.			**34.92 Qtl**
47	**6mm cement plastering**					
	Qty as per item of Form work flat surface					**1720.00 Sqm.**

S No.	Description		No.	L	B	H	Qty.
48	**Plastering on Outer walls**						
	Basement -IV Floor Level						
	Outer Walls			2	33.00	3.00	198.00 Sqm.
	Basement -III Floor Level						
	Outer Walls			2	33.00	3.00	198.00 Sqm.
				2	12.00	3.00	72.00 Sqm.
	Basement -II Floor Level						
	Outer Walls			2	39.00	3.00	234.00 Sqm.
				2	30.00	3.00	180.00 Sqm.
	Basement -I Floor Level						
				2	42.00	3.00	252.00 Sqm.
	Outer Walls			2	36.00	3.00	216.00 Sqm.
	Ground Floor Level						
	Outer Walls			2	70.00	3.00	420.00 Sqm.
				2	18.00	3.00	108.00 Sqm.
	First Floor Level						
	Outer Walls			2	60.00	3.00	360.00 Sqm.
				2	12.00	3.00	72.00 Sqm.
						Total	**2310.00 Sqm.**
	Deductions						
	Windows	W		12	2.40	2.00	57.60 Sqm.
	Windows	W1		20	2.55	2.00	102.00 Sqm.
	Windows	W2		20	3.00	2.00	120.00 Sqm.
	Windows	W3		20	2.00	2.00	80.00 Sqm.
	Windows	W4		14	2.20	2.00	61.60 Sqm.
	Windows	W5		10	1.00	1.50	15.00 Sqm.
							436.20 Sqm.
	Taking 50%						**218.10 Sqm**
	Net qty			436.20	(-)	**218.10**	**218.10 Sqm.**
						Total	**2092.00 Sqm.**
49	**Cement plastering on brick masonary.INTERNAL12 mm**						
	Basement -IV Floor Level						
	Inner Walls			2	48.00	3.50	336.00 Sqm.
	Basement -III Floor Level						
	Inner Walls			2	30.00	3.50	210.00 Sqm.
				2	36.00	3.50	252.00 Sqm.
	Basement -II Floor Level						
	Inner Walls			2	48.00	3.50	336.00 Sqm.
				2	54.00	3.50	378.00 Sqm.
	Basement -I Floor Level						
				2	48.00	3.50	336.00 Sqm.
	Inner Walls			2	54.00	3.50	378.00 Sqm.
	Ground Floor Level						
	Inner Walls			2	40.00	3.50	280.00 Sqm.
				2	48.00	3.50	336.00 Sqm.
	First Floor Level						
	Inner Walls			2	30.00	3.50	210.00 Sqm.
				2	42.00	3.50	294.00 Sqm.
						Total	**3346.00 Sqm.**
	Deductions						
	Door	D		30	1.00	2.50	75.00 Sqm.
	Door	D1		25	1.50	2.50	93.75 Sqm.
	Door	D2		20	0.80	2.50	40.00 Sqm.
						Total Deduction	**208.75 Sqm.**
	Net QTY after deduction		**3346.00**	**(-)**	**208.75**		**3137.25 Sqm.**

S No.	Description	No.	L	B	H	Qty.
50	Painting un-decorated ceiling and / or sloping roofs surfaces(two coats) with acrlic paint to give an even shade including thoroughly brooming the surface to remove all dirt, dust, mortar dirt and other foreign matter texture paint					
	Qty as per item of ceiling					1720.00 **Sqm.**
51	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equarlied on undecorated wall surfaces (two coats) to give an even shade and final finish after throughly cleaning the surface to remove all dirt, dust and other foreign matter etc including sand paper smooth complete.					
	Qty as per item of plastering outer					**2092.00 Sqm.**
52	Applying one coat of Acrylic primer (Spectrum or equivalent of Superior quality) on new concrete/masonry/plastred surfaces after and including preparing the surface by thoroughly brushing the surface free from mortar droppings and other foreign matters, sand papering the surface smooth complete					
	Qty as per item of plastering outer					**2092.00 Sqm.**
53	Applying one coat of AcrylicWashable emulsion Spectrum quartz king or equivalent finish for interior painting with brushes plain smooth finish composed of acrylic polymere in emulsion inorganic/special pigment siliceous aggregate anti fungicides anti-rusting & foaming in two coat i/c necessary putty to give smooth even surface, sand papered smooth complete.					
	Qty as per item of plastering outer					**2092.00 Sqm.**
54	Finishing Outer surface of Wall with flakes of Heritage tiles of approved shade and mixtures duly polished complete in all respect.	1	30.000		7.00	**210.00 Sqm.**
55	Finishing internal surface of Wall with flakes of Heritage tiles of approved shade and mixtures duly polished complete in all respect.	1	6.00		3.30	**19.80 Sqm.**

S No.	Description	No.	L	B	H	Qty.
56	Applying priming coat					
	Inner surface of door/windows					
	Qty of Door Shutters	**110.25 Sqm.**		x	2.60	**286.65 Sqm.**
	Qty of Window Shutters	**338.76 Sqm.**		x	1.60	**542.02 Sqm.**
	Qty of Wire guage Shutters	**338.76 Sqm.**		x	1.60	**542.02 Sqm.**
					Total	**1370.68 Sqm.**
57	Painting two coats on wood					
	Inner surface of door/windows					
	Qty of Door Shutters	**110.25 Sqm.**		x	1.30	**143.33 Sqm.**
	Qty of Window Shutters	**338.76 Sqm.**		x	0.80	**271.01 Sqm.**
	Qty of Wire guage Shutters	**338.76 Sqm.**		x	0.80	**271.01 Sqm.**
					Total	**685.34 Sqm.**
58	Painting on steel work					
	As per steel work RAILING					**194.00 Sqm.**
	Grills	**194.00 Sqm.**		x	1.00	**194.00 Sqm.**
						388.00 Sqm.
59	Under layer FOR PLINTH PROTECTION					
	LOWER LVL	1	22.8		0.45	**10.26 Sqm.**
	LOWER LVL	2	5.45		0.45	**4.91 Sqm.**
	UPPER LVL	1	33.60		0.45	**15.12 Sqm.**
	UPPER LVL	2	7.96		0.45	**7.16 Sqm.**
						37.45 Sqm.
60	Providing Plinth protection 1:3:6					
	LOWER LVL	1	22.8		0.45	**10.26 Sqm.**
	LOWER LVL	2	5.45		0.45	**4.91 Sqm.**
	UPPER LVL	1	33.60		0.45	**15.12 Sqm.**
	UPPER LVL	2	7.96		0.45	**7.16 Sqm.**
						37.45 Sqm.

Naresh Kumar Verma,
Architect

M/s Vastukar & Associates
Authorised Signatory