

	<b>ASHWINI ARCHITECTS AND CONSTRUCTIONS</b>				
	<b>BANGLORE, 560092</b>			<b>9945287918</b>	
	<b>April 15, 2022</b>				
	<b>ABSTRACT ESTIMATE</b>				
	<b>PROPOSED CONSTRUCTION OF BUILDING FOR MR. VENKATESH AND ABI AT DODDABALOUR.</b>				
<b>Sl. No.</b>	<b>SPECIFICATIONS</b>	<b>QTY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>I</b>	<b>CIVIL WORKS - Masonry and structural works</b>				
	<b>A. EARTH WORK EXCAVATION</b>				
1	Earthwork in excavation in all kinds of soil excepting ordinary and hard rock for foundation, column footings, water tank., etc to required depths as called for ( upto maximum of 5 feet from existing ground level ) including adequate shoring and strutting sides to protect the sides, bailing out or pumping to keep the excavation clear of water. Back filling by the sides of foundation and in plinth of thickness 8" layers including watering and consolidating and disposing surplus earth within the boundaries of the site. As directed rate shall include loading, unloading spreading where required and all incidental work. complete	8950.00	Sft	16.00	143,200.00
2	Refilling and consolidating of earth in layers not more than 12" thick.	5370.00	Sft	20.00	107,400.00
	<b>B. PLAIN &amp; REINFORCED CEMENT CONCRETE</b>				
3	Providing and laying PCC 1:4:8 ( 1 cement: 4 coarse sand: 8 crushed graded 'stone aggregate 40 mm nominal size ) 'under column footings, raft slab, in wall foundation, sub base of flooring and similar locations, laid, consolidated finished fair and cured including form work etc., complete	1710.00	Cft	160.00	273,600.00
4	Providing cement concrete pavement around & in approaches with 1:3:6 PCC using 20mm & down graded jelly (the thickness shall be 100 mm ) laid consolidated, cured and top finished with 1:4 cm antiskid finish with required slopes.	411.00	Cft	250.00	102,750.00
5	Providing and laying reinforced cement concrete 1 : 1 1/2 : 3 using 20mm and downgraded aggregates in following locations laid consolidated and cured including necessary centring and shuttering but excluding reinforcement steel. sloped roof & sloped chejja with water proof compound.				
	a) In RCC footing	1500.00	Cft	320.00	480,000.00
					-
	b) In RCC Columns				-
		600.00	Cft	360.00	216,000.00
	c) In lintel				-
		155.00	Cft	360.00	55,800.00
	c) In beams				-
		4200.00	Cft	380.00	1,596,000.00
	d) In roof slabs				-
		4200.00	Cft	350.00	1,470,000.00
	e) In stair case				-
		550.00	Cft	350.00	192,500.00
					-
	f) In Plinth beams	4200.00	Cft	280.00	1,176,000.00
					-
6	R.C.C (1:2:4) in RCC Chejjas,lofts,shelves cills 'cills and coping slab including finishing of 'exposed surfaces in CM ( 1:4 ) with drip moulds as directed 2" thick.	50.00	Cft	380.00	19,000.00
7	Providing, fabricating and erecting in position various diameters of MS and Tor steel reinforcements (as per structural drawings) The Rate shall include the cost of binding wire,handling,cutting, bending and erecting in position all lead and lift charges etc., (measurements shall be for actual used quantity only).	25.50	MT	90000.00	2,295,000.00
	<b>C.MASONRY:</b>				

8	Providing and constructing Porotherm block of size 400x200x200 mm (Density of approx. 694 - 783 kg/m <sup>3</sup> ) of Compressive strength >35 kg/cm <sup>2</sup> . Size conforming to ISS 2185-1979 Part I with necessary scaffolding and curing etc., complete for Basement, superstructure at all levels complete with all lead and lifts as per design drawing and direction of Architect/Client.	7600.00	Sft	80.00	608,000.00
9	Providing and constructing Porotherm block of size 400x200x150 mm (Density of approx. 694 - 783 kg/m <sup>3</sup> ) of Compressive strength >35 kg/cm <sup>2</sup> . Size conforming to ISS 2185-1979 Part I with necessary scaffolding and curing etc., complete for Basement, superstructure at all levels complete with all lead and lifts as per design drawing and direction of Architect/Client.	1680.00	Sft	70.00	117,600.00
					-
11	Providing and constructing SSM masonry in cm1:6 with hard stone in foundation and plinth, through stone at every 6' apart including levelling the top surface with cement concrete 1:3:6 at plinth level, curing etc., complete.	2466.00	Cft	200.00	493,200.00
<b>II</b>	<b>CIVIL WORKS - Finishing Works</b>				-
	<b>D.DOORS AND WINDOWS</b>				-
12	Providing fabricating and fixing Teak wood Door using well seasoned 1st class teak wood frame of size 5' x 2.5' fully panelled with 8' x 1.5' top & bottom rails 6' x 1.5' lock rail and 4' x 1.5' styles and intermediate members with suitable design beadings moulds per drawing and approved by Architect and infills are 1' thick 1st class Teak wood panels. All the joints shall be with wooden plugs and adhesive. The rate shall be inclusive of fixing the door shutter in proper position but excluding the cost of hardware (Basic rate for Teak wood Rs - 4000/- percft)	176.00	Sft	650.00	114,400.00
	Hardware and Iron mongery for the above	176.00	Sft	150.00	26,400.00
14	Providing and fixing of 32 mm thick BWP solid core type Flushdoors with 4mm thick Veneer on one side & laminate finish on other side covered in 20mm x 35mm teakwood lipping around hinged to salwood of 6" x 2.5" clear section attached to wall/concrete with 3 nos of hold fasts on either side. Brass Fittings include one door stopper, 3No. of hinges of 5" length, 2 nos ornamental door handles of 6" length, two nos tower bolts of 6" length, one Mortice lock of Godrej make with ornamental handles of approved makes & selected by Owner/Architect, complete all as per design drawing & details including melamine polishing the shutter, frame and teak wood beading as directed by Architect/Client.	66.00	Sft	500.00	33,000.00
	Hardware and Iron mongery for the above	66.00	Sft	150.00	9,900.00
15	Providing and fixing sliding doors using standard UPVC sections available in the market for frame and shutters with 5mm thick toughend glass with all accessories including locking arrangement with mosquito mesh shutter all gaps of outer frame shall be sealed with sealant properly all works etc complete	432.00	Sft	350.00	151,200.00
16	Providing and fixing sliding windows and ventilators using standard UPVC sections available in the market for frame and shutters with 5mm thick toughend glass with all accessories including locking arrangement with mosquito mesh shutter all gaps of outer frame shall be sealed with sealant properly all works etc complete	860.00	Sft	350.00	301,000.00
17	Providing and fixing Ms grills using MS flats and bars for windows, ventilators etc, fixed with screws to the joineries including necessary cutting, welding, fabricating, etc and applying one coat of primer as directed. (approx, weight 1.80 kg/sft).	72.00	Sft	95.00	6,840.00
					-
	<b>E. FLOORING &amp; DADOING</b>				-

19	Providing and laying 20mm thick granite slabs for staircases, landings treads and in passages of approved quality granite slab for over 20mm thick 'cement mortar bed in cm (1:4) and finishing joints in cement grouting with matching colour oxide etc., including edge polishing lead, lifts and covering with POP,etc., all complete.(Basic cost of tile Rs. 120.00)	115.00	Sft	350.00	40,250.00
20	As above in staircase riser and skirting	135.00	Sft	380.00	51,300.00
21	Providing and laying red oxide floor finish over 75mm thick 'concrete bed in (1:2:4) and finishing in cement mortar ratio (1:4) with matching colour oxide etc., including lead, lifts and covering with POP,etc., all complete.	3346.00	Sft	150.00	501,900.00
22	Providing and laying 10mm thick approved quality Vitrified (anti skid) tile floor in balconies and utilities over 20mm thick 'cement mortar bed in cm (1:4) and finishing joints in white cement with matching colour oxide etc., including lead, lifts and covering with POP,etc., all complete.(Basic cost of tile Rs. 110)	1955.00	Sft	300.00	586,500.00
23	Providing and fixing first quality H & R JOHNSON \ SOMANI or equivalent make colour glazed tiles 300mm x 600mm size and fixed to wall dado over 1:3 cement mortar plaster. The corners shall be neatly finished with tiles having chamfered edges all as directed. Rate shall include pointing the joints with white cement , color color oxide, curing etc., complete.(Basic cost of tile Rs.45.00)	1010.00	Sft	120.00	121,200.00
24	Providing and fixing in position 20mm x 20mm size ITALIA Glass Mosaic Tiles of Grade I quality standard Blue color and design as approved by the client for the floor and walls of the pool including required adhesives and chemicals and grouting. tiles make OF ITALIA with adhesive and Epoxy Grout make shall be Ultragreen(INCLUDING RECEIVING TANK)	970.00	Sft	160.00	155,200.00
	<b>F.PLASTERING AND FINISHES</b>				-
27	Preparing and plastering the internal surfaces of ceiling and other RCC members with cement mortar 1:4 12mm thick including lime rendering (neeru finish) scaffolding curing etc. complete	6336.00	Sft	60.00	380,160.00
28	Preparing and plastering the internal surfaces of masonry walls with cement mortar 1:6 20mm thick including lime rendering, rendering, scaffolding, curing etc. complete	10332.00	Sft	65.00	671,580.00
29	<b>DOUBLE PLASTERING.</b>		Sft		-
	Preparing and double plastering the external surfaces of walls and other RCC works with all levels with cement mortar 1:5 15mm thick first layer of rough plaster , using water proofing compound as per the manufacturers specification and second layer sponge finish plastering of cement mortar 1:5 with 12mm using water proofing compound as per the manufacturers specification finished including scaffolding, curing etc. complete.	11222.00	Sft	85.00	953,870.00
31	Preparing and applying to the walls, ceiling and other RCC surfaces two coats of premium acrylic emulsion paint of Asian make and shade over a two coat of primer at all levels including wall putty of asian make , including scaffolding, etc., complete	1668.00	Sft	40.00	66,720.00
32	Providing & applying two coats of Protex Ultima quality paint ( of Asian Paints make or equivalent ) approved colour & shade over one coat of water replant Primer including curing with necessary scaffolding & cleaning of paint,stains etc..Surface to be washed with water and all cracks to be opens and filled with crack filler of a approved brand .complete as per Architect instruction	11222.00	Sft	48.00	538,656.00
33	Providing and applying to the woodwork and steel work two coats of approved quality and shade premium synthetic enamel paint of "Asian" make over a coat of primer at all level including putty, scaffolding, etc., complete.	72.00	Sft	65.00	4,680.00
					-

34	Providing and applying to the wood work melamine polish as specified and directed	176.00	Sft	120.00	21,120.00
					-
	<b>G.MISCELLANEOUS</b>				-
38	Providing and Constructing RCC overhead water tank with 1:2:4 PCC for bottom, sides and top slabs with necessary RCC supports reinforcements as per structural detail and plastering around in and outside with 1:4 cm mixed with water proof compound as per manufacturers specifications and top provided with one 600mm x 600mm CI frame and two coats of bitumen paint over a coat of steel primer. Providing inlet and outlet pipes and over flow pipes, curing etc., Supports from roof to accomodate solar (including the cost of steel, fabrication charges, and binding wire)	3000.00	Lts	12.00	36,000.00
39	Providing and Constructing masonry underground sump tank with 150mm thick 1 : 4 : 8 PCC for foundation with 230 thick first quality table mould brick walls in 1:4 cm and top provided with RCC 1:2:4 roof slab with reinforcements as per detail.The Inside of the Tank shall be surface finished in 1:3 CM with Expanded GI mesh and waterproofing compound over a layer of 8 mm Steel reinforcement placed at 6" c/c for walls and floor and finished smooth including curing etc., The rate shall include earthwork excavations and side filling. The Top of tank shall be provided with one 600mm x 600mm rectangular Air tight Heavy Duty CI cover, inlet and outlet pipes, etc., complete (including the cost of steel, fabrication charges, and binding wire)	10000.00	Lts	15.00	150,000.00
41	Providing and constructing washing platform using 2 line dressed granite slab mounted on masonry walls necessary plasting etc	2.00	Nos	5000.00	10,000.00
					-
43	Providing and Laying in position Cinder filling for sunken slabs in Toilets finished with 2" th PCC 1:3:6 and finished with water proof plaster over one coat of Water proofing membrane of approved make etc., all complete.	80.00	Cft	180.00	14,400.00
44	Providing and injecting in chemical emulsion for pre-constructural anti termite treatment and creating a chemical barrier under and around the column pits bottom of foundation top surface of plinth filling, junction of walls, and floor along the external perimeter of building expansion joints surrounding of pipes and conduits etc., complete by using aldrin 0.5% Heptachlor 0.5% or Chlorodane 1% emulsifiable concentrate all as per specification and as directed.	5695.00	Sft	5.00	28,475.00
45	Providing and fixing 20mm thick jet black prepolished granite slab platform for kitchen with bull nosing as shown in the drawing including pointing the joints with matching color oxide etc., as directed.	70.00	Smt	1200.00	84,000.00
46	Providing and laying weather proof course over terrace with one coat of waterproof membrane of approved make with brick bat coba laid to slope with waterproof plaster and finished with clay weather proof tile laid in Cm 1:4. The joints in clay shall be pointed with Non Shrink Cement grout etc., all complete.	1158.00	Sft	120.00	138,960.00
					-
47	Providing and fixing M.S ladder using 25mm x 25mm x 6mm M.S angle frame and 20mm square 'C' class pipe for the steps 15" wide suitable fixed with Anchors etc., complete and 2 coats of synthetic enamel paint over a coat of Red oxide primer.	1.00	Nos	10000.00	10,000.00
					-
48	Providing and fixing MS hand rail for staircase as per design and detail.	30.00	Rft	2500.00	75,000.00
					-
50	SS glass railings	250.00	Sft	350.00	87,500.00
	<b>Total value of Civil Works</b>				14,716,261.00
	<b>ELECTRICAL WORKS (8%)</b>				1,177,300.88
	<b>PLUMBING AND SANITARY WORKS (8%)</b>				1,177,300.88

	<b>GRAND TOTAL</b>				<b>₹ 17,070,862.76</b>
<b>NOTE:</b>	<b>Basic Cost of material</b>				
	Cement-₹400/-				
	Steel-₹84000/-				
	200mm blocks -				
	150mm blocks				
	100mm blocks				
	3'0" wide 20mm granite slab -				
	Ceramic tiles				
	wall tiles -				
	Vitrified tiles				
	Teak wood				
	Vitrified tiles(Antiskid) -				