

**ESTIMATE FOR THE PROPOSED CONSTRUCTION OF ROW BUNGALOW  
IN C.T.S. NO. 760/1, AT ADGAON SHIVAR, NASHIK.  
FOR MR SANTOSH YASHWANT BORADE.**

SR	ITEM	QUANTITY	UNIT	RATE	AMOUNT
1	Excavation for foundation, Ducts etc. In earth and soft/hard murum up to a depth of 2.00 Mtrs including back filling in trenches and in plinth in 200 mm layers and watering, consolidation etc The rate is to include carting and depositing surplus earth in owners premises	35.00	CUM	375.00	13125.00
2	Do- But in soft rock	5.00	CUM	350.00	1750.00
3	Do- But in hard rock by pneumatic breaker.	5.00	CUM	1500.00	7500.00
4	Providing plain cement concrete in 1:3:6 machine mixed and to be deposited in trenches and pits to give a fairly even and level surface including curing (stone to be graded 20mm downwards.)	4.75	CUM	4550.00	21612.50
5	Providing plain cement concrete 1:3:6 for flooring machine mixed and to be deposited in floor to give a fairly even and level surface including curing (stone to be graded 20mm downwards. Compaction by a wooden levelling tool.)	6.27	CUM	4600.00	28842.00
5	Providing and spreading 100mm thick two layers of stone metal graded 50mm downwards. Each layer to be spread separately watered and rolled with a ten tone power roller so as to compact it to 75mm thick layer	13.80	CUM	1750.00	24150.00
7	Providing and spreading murum (brought from outside source) in layers not exceeding 300mm watering, consolidation with 10 ton power roller / mechanical compactor, to receive a plate load test of 15 t/sqm (Note - use compactor where roller is not accessible)	25.00	CUM	725.00	18125.00
8	RCC work M-200 (1 1/2 : 3) mix The concrete shall be machine mixed & vibrated by needle or plate or skid vibrator The surface is to be left unfinished but true in line & level. Surfaces to receive plaster shall be hacked when green to form a key to plaster. Use of plastic/concrete cover				



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SR	ITEM	QUANTITY	UNIT	RATE	AMOUNT
	block is compulsory The design mix if required is to be done by contractor at his own cost, and it is to be got approved by Architects / Designer Work at any height as shown in Drgs Rates including Form work.				
	RCC Footings	6.00	CUM	8000.00	48000.00
	RCC Ground beams, plinth beams	5.00	CUM	9500.00	47500.00
	RCC Column pedestals	1.66	CUM	10000.00	16560.00
	RCC Floor beams, lintel beams, tie beams, brackets including grid beams	18.00	CUM	10000.00	180000.00
	RCC Column in super structure	8.00	CUM	10000.00	80000.00
	RCC Slab and cantilever slab, Waist Slab	15.00	CUM	10500.00	157500.00
	RCC Lintels / R.C.C Coping	2.00	CUM	9500.00	19000.00
	RCC Weather shed /Chajja- 75mm thick	3.00	CUM	9500.00	28500.00
	RCC regular pardi / Facial / Fins	2.00	CUM	9500.00	19000.00
	RCC Staircase steps	60.00	NOS	1000.00	60000.00
9	Providing and placing, in position MILD STEEL reinforcement of various diameters for R.C.C. Pile caps, footings, columns, steps, slabs, beams, canopies, lintel, chajja etc as per drawing and specifications including cutting bending, hooking bars, binding with wires or tack welding etc complete	0.15	M.T	74000.00	11100.00
10	Providing, Placing and fixing in position Tor Steel/ TMT Steel of grade FE-415 conforming to IS 1786 of Tata Tiscon/Sharada Ispat make with wires or tack welding etc complete (Steel to be measured & paid as per theoretical measurements, wastage considered is @ 3.00 %)	6.50	M.T	73000.00	474500.00
11	Providing and constructing uncoursed rubble masonry of trap /granite stone in cement mortar (1:6) in foundation plinth, retaining wall etc including dewatering, striking out joints of exposed faces, curing, scaffolding. Providing headers as per specification etc complete	2.00	CUM	3200.00	6400.00
	Providing sunk pointing to exposed U.C.R. Masonry in C.M. 1:4 including scaffolding curing etc complete	10.00	SQM	90.00	900.00
	Providing and constructing 230mm thick first class burnt brick masonry in				



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ITEM	QUANTITY	UNIT	RATE	AMOUNT
13 cement mortar (1:5) in foundation and plinth including scaffolding, striking joints, racking out joints, watering, curing etc complete. (Note: Rate should be include of Brick work done at all levels)	5.00	CUM	5200.00	26000.00
14 First class brick work 230 mm thick with well burnt bricks of approved quality in 1:6 cement mortar using screened and clean sand including racking out joints to form a key to plaster (at any height)	40.00	CUM	6500.00	260000.00
15 Providing & making 115mm thick first class brick masonry in cement mortar 1:4 using screened and clean sand including 100 mm thick RCC runners at every one meter height & racking out joints as a key to plaster (Reinforcement will be measured and paid separately)	95.00	SQM	850.00	80750.00
16 Providing & applying Neeru finished cement plaster in 1:4 cement mortar including all edges and grooves Neeru will be from Katni lime work at any height (Note: Provide chicken wiremesh of approved gauge as directed in detailed specifications of Neeru plaster Work at any height.	900.00	SQM	370.00	333000.00
17 Providing & applying sand faced cement plaster 20mm thick in two coats to external walls, columns, canopies, chajjas, padadies etc including all edges, bands, drip moulds, grooves The first coat shall be 12 mm thick in 1:4	456.00	sqm	400.00	182400.00
18 Providing & applying cement finished cement plaster 20mm thick in 1:4 cement including scaffolding, curing & waterproofing compound as per standard specifications all complete as directed	10.00	sqm	350.00	3500.00
19 Providing & applying Royal Touch paint of approved shade in two coats over two coats of cement primer and two coats of putty work. Walls to be scraped clean and made plain with putty work before applying paint as above including scaffolding etc complete.	50.00	SQM	250.00	12500.00
20 Providing & applying three coats of white or colour wash after preparation of surface including scaffolding etc complete	15.00	sqm	25.00	375.00
21 Providing and applying two coats of Waterproof cement paint of supersnowcem or of any other approved make and				



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SR	ITEM	QUANTITY	UNIT	RATE	AMOUNT
	colour to plaster surface including scaffolding, preparing the surface curing etc complete as directed	10.00	sqm	55.00	550.00
22	Providing and applying exterior grade weather coat APEX paint of approved Make including filling the cracks with crack filler and preparing surface with two coats of paint of approved shade as directed	456.00	SQM	125.00	57000.00
23	Providing one coat of cement primer and two coats of oil bound distemper after preparation of the surface and putty work (Asian or Shalimar or Berger make & shade to be approved by Clients/Architect)	450.00	sqm	125.00	56250.00
24	Providing and applying oil paint of approved quality and shade in two coats over two coats of cement primer and two coats of putty work Walls to be scraped clean and made plain with putty work before applying oil paint as above	400.00	SQM	145.00	58000.00
25	Providing and fixing in position Teak wood doors a) First quality Burma teak wood frame 150mm x 75mm with 16mm rod at the base for keeping the frame in shape. b) 6 Nos 25 x 6 x 230 mm M S flats for hold fasts anchored in 100 mm x 230mm x 230mm cement concrete block in brick work. 25 x 6 x 150 mm M S flat to be fixed to R.C C columns with split bolts 100mm long. c) 32mm th. water proof flush ISI grade shutters finished with approved Veener finish on both sides e) S S Brush finish fittings of Golden / Magnum Co. make. [Rate should be including all fixtures and fittings]	12.00	SQM	7500.00	90000.00
25	Providing and fixing in position doors as under... a) Providing & fixing Granite door frame of size 150x40mm in 2 pieces properly fixed to wall with cement paste araldite Outer side of frame should be moulded. Granite to be hand polished to obtain smooth finish [All according to detailed drawing]				



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SR	ITEM	QUANTITY	UNIT	RATE	AMOUNT
	b) 32mm th water proof flush ISI grade shutters finished with approved laminate 150mm thick on both sides fixtures and fittings]	5.50	SQM	5500.00	30250.00
27	Providing & fixing T.W. folding door all according to detailed drawing as under... a) Shutter to be in T.W. glazed panels. b) First quality Burma teak wood frame 150mm x 75mm with 16mm rod at the base for keeping the frame in shape. c) 6 Nos. 25 x 6 x 230mm M.S flats for hold fasts anchored in 100 mm x 230mm x 230mm cement concrete block in brick work. 25 x 6 x 150mm M.S flat to be fixed to R.C.C columns with split bolts 100mm long. d) 25mm th. T.W. Panels with glazing brass oxidised approved ]	6.00	SQM	10000.00	60000.00
28	Providing and fixing folding door all according to detailed drawing as under a) 60mm x 40mm M.S tube frame b) Shutter out of 40mm x 40mm M.S tube. c) Partly panelled with M.S. 16 G sheet & partly with 5mm thick plain or Bajan glass. d) One tower bolts 300mm long at top per shutter, one 150mm long tower bolt at bottom/shutter, one 200mm long aldrop, door stopper (all fitting should be of iron oxidised) e) One coat of anti corrosive & two coats of approved oil paint to entire door	3.00	SQM	5000.00	15000.00
29	Supplying and fixing in position aluminium extruded section three track sliding windows colour anodised as per drawing, outer frame made from section of overall size 92 x 45mm bottom section with/without drains track section weighing 0.901 kg / rmt & top & side sections weighing 0.838 kg/rmt with shutters of section made of 19x40mm size having average weight of 0.6 kg/rmt (or as required size with change in proportionate weight) with 5.5mm selected quality plain sheet glass fixed with nylon encased ]				

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SR	ITEM	QUANTITY	UNIT	RATE	AMOUNT
	stainless rollers necessary locks and handles etc. complete with one mosquito net shutter				
30	Providing and fixing M S grill (wt 10kg/sq mtr) according to design including scraping all surfaces clean & applying one coat of anticorrosive and two coats of approved enamel paint to all surface	9 00	sqm	2500 00	22500 00
30A	Providing and fixing S S Railing according to design including scraping all surfaces clean, & applying one coat of anticorrosive and two coats of approved enamel paint to all surface	9 00	SQM	2200 00	19800 00
34	Providing and fixing Ceramic tiles of 300 X 300 mm for flooring/dado in 1:4 cement mortar back coating for leveling and tile to be fixed with neat cement paste in line and level including filling the tile joints with white cement slurry cleaning the surfaces etc. complete.	30 00	Rmt	2000 00	60000 00
35	Providing & laying Vitrified tile 600x600mm flooring on 20mm thick cement mortar 20mm th. Cement mortar bedding cement floated including polishing etc.	16 00	SQM	650 00	10400 00
35	Providing and fixing vitrified tiles for dado on cement mortar bedding 20mm thick 1:4 including filling the joints with matching tile mate joint filler	127 00	SQM	1000 00	127000 00
36	Providing and fixing vitrified tiles for dado on cement mortar bedding 20mm thick 1:4 including filling the joints with matching tile mate joint filler	55 00	SQM	1100 00	60500 00
37	Providing skirting of 75 mm high machine cut machine polished Granite stone to walls including 15mm thick back coat of cement plaster 1:4		RMT	400 00	
		60 00	RMT	300 00	18000 00
38	-DO- but Vitrified tile skirting		RMT	250 00	
39	-Do- but for Kotah Stone skirting				
40	Providing and fixing window sills of machine cut machine polished Marble stone 750mm wide with moulding on C.M 1:4 as per drawings	4 00	SQM	1900 00	7600 00
41	Providing and fixing coloured glazed tiles 200mm x 200mm of approved quality first quality for flooring and dado in neat cement on a back coat of cement plaster 1:4	5 00	SQM	500 00	2500 00
42	Providing & laying water proof treatment on terrace (India water proffing or alike) with Brick Bats laid in required slope to drain the water for				



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SR	ITEM	QUANTITY	UNIT	RATE	AMOUNT
	any span after the cleaning the base surface, applying a coat of cement slurry & mixed with approved water proffing compound & mixed with bricks bats on bottom layer & laying the with approved water proffing compound, filling upto half depth of brick bats, curing this layer for 3 days, applying cement slurry over this layer, pointing of brick bats with c m 1 3 & with approved water proofing compound and finally top finishing with average 20 mm thick layer of same mortar inclu. finishing the surface smooth with cement slurry mixed with approved water proofing compound, marking the finished surface with false squares of 300x 300mm making the junctions at parapets rounded & tapered towards top for required height with drip mould at the junction of plaster and curing etc Covering 7 years of guarantee on court fee stamp paper of Rs 100 including ponding test etc complete	42.00	SQM	950.00	39900.00
43	Providing and laying china Mosaic paving on 20mm thick cement mortar 1:2 bedding cement floated including flashing at the junction of walls and slab and washing the entire surface with dilute acid.		SQM	800.00	
44	Providing brick masonry steps in C M 1:6 all according to detailed drawing as under:- a) Excavation for foundation upto 0.60mtrs depth b) 75mm thick P.C.C. 1:4:8 in foundation c) Machine cut machine polished Kota stone 25mm thick for treads and risers d) Burnt Brick masonry in C M 1:6 in foundation & steps. e) Sand faced plaster in cement mortar 1:4 to sides & risers and two coats of cement paint to plastered surface	6.00	RMT	1500.00	9000.00
	Providing 750mm wide and 3 mtrs long Kitchen platform according to detailed drawing as under a) 25mm th machine cut black granite for sides & top over base of 25mm b) kota stone Shelves supported by machine cut machine polished two pieces of 25 mm thick kota stones. c) 200 x 100mm first quality CERAMIC tile to the rear side upto 7'-0" height of				



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SR	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	platform including back coat of plaster				
	c) Neeru finished cement plaster in 1:4 with oil bound distemper to the rear side wall of platform				
	d) Providing and fixing steel sink with all necessary accessories				
	e) G.I. "B" class pipe for outlet & waste coupling				
49	Providing & casting R.C.C. Underground tank	1.00	NOS	25000.00	25000.00
50	Providing & casting R.C.C. Overhead tank	3500.00	Ltr	10.00	35000.00
51	Providing septic tank for 25 users according to detailed drawing including excavation, bed concrete 1:3:6 brick masonry in cement mortar 1:6, waterproof cement plaster to the internal faces of walls & the bottom slab, light duty C.I. manhole covers, disconnecting chamber, 150mm dia S.W. inlet and outlet, T connections, RCC slab cover as shown on drawing & A.C. vent pipe with cowl, Filter bed, and collection chamber as per drawings	3500.00	ltr	11.00	38500.00
52	Providing 1.80 x 1.80 x 1.80 M soak pit including excavation, hoony comb brick work for central pillar, 100mm dia down take A.C. pipe, filling of brick bats cover of tar coated double bamboo matting fixed to tar coated timber frame.	1.00	NO	35000.00	35000.00
		1.00	NO	5000.00	5000.00
<b>COST OF CIVIL WORK (A) TOTAL RS.</b>				<b>3045339.50</b>	

**SUMMARY :-**

(A) COST OF CIVIL WORK... 3045339.50  
 (B) COST OF PLUMBING WORK 91360.19

**TOTAL 3136699.69**



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