

shivaji, dashgani

<b>ASSOCIATED ARCHITECTS &amp; ENGINEERS</b> 39, KARMAYOGI NAGAR, RAJMATA JIJAU MARG, NASHIK - 422 008.
<b>ESTIMATE FOR THE PROPOSED CONSTRUCTION OF BUNGALOW ON PLOT NO. 19, S. NOO. 230/1 TO 5/1 AT MAUJE PATHARDI SHIVAR, NASHIK FOR MRS. SWAPNA AMBRISH GUPTA..</b>

I.NO.	PARTICULARS	QTY.	UNIT	RATE	AMOUNT
1	Excavation for foundation in hard murum including removing the excavated materials upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 2.00 m)	85.00	CUM	350.00	29750.00
2	Providing and laying in situ, cement concrete in M 10 / 1:3:6 of trap/granite/quartzite/gneiss metal for foundation and bedding & flooring including bailing out water manually, formwork, compacting and curing. (Including cost of cement)	30.00	CUM	5500.00	165000.00
3	Providing and laying in situ cement concrete M-25 of trap/granite/quartzite/gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and <b>footings</b> of R.C.C. columns and steel stanchions including bailing out water manually, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement & Structural steel)	25.00	CUM	10000.00	250000.00
4	Providing and casting in situ cement concrete M-25 of trap granite/quartzite/gneiss metal for R.C.C. <b>Pedestals</b> as per detailed designs and drawing or as directed including compacting finishing the formed surface with CM 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing (Excluding reinforcement & Structural steel )	12.00	CUM	11000.00	132000.00
5	Providing and casting in situ cement concrete M 25 of trap granite/quartzite/gneiss metal for R.C.C. <b>columns</b> as per detailed designs and drawings or as directed including centering, formwork, of ply wood /steel compacting finishing the formed surface with CM 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing (Excluding reinforcement & Structural steel)	25.00	CUM	11800.00	295000.00

6	Providing & casting in situ cement concrete M-25 of trap/granite/quartzite/ gneiss metal for R.C.C. <b>ground beams and plinth beams</b> as per detailed designs & drawings or as directed including compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided & curing etc. complete. (Excluding reinforcement & Structural steel )	11.00	CUM	11000.00	121000.00
7	Providing and casting in situ cement concrete in M-25 of trap/granite/quartzite/gneiss metal for R.C.C. <b>beams and lintels</b> as per detailed designs and drawings or as directed including finishing the formed surface with CM 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing (Excluding reinforcement & Structural steel)	52.00	CUM	11800.00	613600.00
8	Providing and casting in situ cement concrete M-25 of trap/granite/quartzite/gneiss metal for R.C.C. <b>slabs and landings</b> .....cm.thick as per detailed designs and drawings including compacting finishing the formed surface with CM 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing. (Excluding reinforcement & Structural steel)	60.00	CUM	13500.00	810000.00
9	Providing and casting in situ cement concrete in M-25 of trap/granite/quartzite/gneiss metal for R.C.C. <b>pardi</b> of specified thick including compacting finishing the formed surface with CM 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening them if special finish is to be provided and curing. (Excluding reinforcement & Structural steel )	6.00	CUM	16500.00	99000.00
10	Providing & casting cement concrete M-25 of trap/granite/quartzite/ gneiss metal for R.C.C. <b>waist Slab &amp; steps</b> as per detailed designs & drawings or as directed including compaction finishing the formed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided & curing etc. complete. (Excluding formwork, reinforcement & Structural steel )	4.00	CUM	16500.00	66000.00
11	Providing & casting in situ cement concrete M-25 of trap/granite/quartzite/gneiss metal for R.C.C. <b>chajja</b> as per detailed design & drawings including compacting finishing the formed surface with cm 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided & curing ((Excluding reinforcement & Structural steel )	2.00	CUM	16500.00	33000.00

12	Providing and fixing in position mild steel/ HYSD 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, Trimix etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required completed. <b>Including cost of steel.</b>	25.00	M.T.	78000.00	1950000.00
13	Providing second class Burnt Brick masonry / Fly ash brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering Complete.	6.00	CUM	7900.00	47400.00
14	Filling in plinth and floors with approved excavated materials in 15 cm to 20 cm layers including watering and compaction with 10 to 12 Ton Power Roller maintaining optimum moisture and compacting up to 95 % of standard Proctor density etc. complete.	20.00	CUM	200.00	4000.00
15	Filling in plinth and floors with contractors soil sand or murum in 15 cm to 20cm. layers including watering and compaction with 10 to 12 Ton Power Roller maintaining optimum moisture and compacting up to 95 % of standard Proctor density etc. complete.	100.00	CUM	850.00	85000.00
16	Providing and laying stone metaling in two layers of 100mm thick compacted to 150mm thick as directed, binding with soft murum / screened stone cheaps, compacting the same with power roller or vibratory compactor to the satisfaction of Engineer In Charge , including the cost of bailing out water from foundation trenches, pits etc using engine and pump, and/or motor and pump of suitable capacity including hire charges for machinery, errction cost, cost of fuel and oil, power, labour etc complete.	25.00	CUM	1800.00	45000.00
17	Providing second class Burnt Bricks masonry/Fly ash Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding complete.	50.00	CUM	7900.00	395000.00

18	Providing second class Burnt Bricks masonry/Fly ash Brick masonry with conventional/I.S. type bricks in cement mortar 1:4 in half brick thick wall 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, racking out joints and watering complete. (Excluding cost of reinforcement).	55.00	SQM	950.00	52250.00
19	Providing internal cement plaster 10mm to 12 mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing complete.	500.00	SQM	575.00	287500.00
20	Providing sand faced plaster externally in cement mortar using Kharsalia/Kasaba or similar type of sand, in all positions including base coat of 15mm thick in C.M. 1:4 using waterproofing compound at 1kg.per cement bag curing the same for not less than 2 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.	700.00	SQM	750.00	525000.00
21	Providing and applying gypsum plaster ( with Gypsum material of Gypsum India / Mega Sign or equivalent make ) with finishing with gypsum material in 10 to 13 millimeter thickness to previously plastered surface / or on newly brick surface ( Excluding rough cast plaster ) in all position including preparing and Finishing the surface scaffolding etc.complete.	500.00	SQM	325.00	162500.00
22	Providing and fixing Vitrified Tiles of approved quality size 600 x 600mm for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing complete. Additional Item Spec.No. : As directed by Engineer in charge. (Basic Rate : Rs. 125/- SFT.)	400.00	SQM	2500.00	1000000.00
23	Providing and laying polished Italian Marble stone slabs 20 to 25 mm thick for Flooring/Skirting on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning complete. (Basic Rate : Rs. 300/- SFT)	50.00	Sqm	7000.00	350000.00


24	Providing and fixing Vitrified Tiles of approved quality and size for SKIRTING in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing complete. Additional Item Spec.No. : As directed by Engineer in charge. (Basic Rate : Rs. 125/- SFT.)	20.00	SQM	2700.00	54000.00
25	Providing and fixing Vitrified Tiles of approved quality and size for DADO in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing complete. Additional Item Spec.No. : As directed by Engineer in charge. (Basic Rate : Rs. 125/- SFT.)	75.00	SQM	3000.00	225000.00
26	Providing and fixing about 30cm width chicken mesh of 22 gauge over external joints of R.C.C. member and brick wall of approved quality including fixing of mesh necessary nailing, drilling, tying etc. complete as directed.	300.00	SQM	90.00	27000.00
27	Providing and fixing in position Alumin window with plain glass with Mosquito net shutters including all necessary bidding sections, nioprean gasket, rubber biddings, screws, cleats, clamps, fasteners, sealent, scaffolding, cleaning etc complete. as per drawing	50.00	SQM	5000.00	250000.00
28	-do- but aluminium Ventilators for toilets	5.00	SQM	3500.00	17500.00
29	Providing sills of polished Granite Stone 25 mm to 30 mm thick, on a bed of 1:4 cement mortar including cement float, filling joints with slurry, curing. Including champher, polishing and cleaning complete.	24.00	SQM	3800.00	91200.00
30	Providing and fixing MS Grill work weighing 20 Kg/sqm for Bird Nets as per drawing including fixtures, necessary welding and painting with one coat of anticorrosive paint and two coat of oil paint etc complete.	55.00	SQM	3000.00	165000.00
31	Providing and fixing in position Doors out of Frame with Plywood frame work in two pieces finished with approved laminate including bedding, leapping, polishing/painting etc. complete as required with waterproof flush shutter finished with ISI grade Laminate on both side including brass oxidised hinges, S.S. handels, aldrops, tower bolts etc. complete as directed by the Architects and as per design.	25.00	SQM	9500.00	237500.00

32	Providing and laying polished <b>Granite stone slabs 20 to 25 mm thick for treads and risers of steps</b> and staircases, and coping to parapet with rounded nosing for the treads on a bed of 1:4 cement mortar including cement float, filling joints with neat cement slurry, curing, polishing and cleaning complete. <b>(Basic Rate : Rs. 200/- Sft.)</b>	20.00	SQM	4800.00	96000.00
33	Providing and fixing <b>mild steel RAILING kg/sqm</b> including M.S. hand rail as per the drawings & design including all fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting etc. complete.	5.00	SQM	3500.00	17500.00
34	Providing and fixing <b>stainless steel railing including glass work</b> as per design and drawings and as directed by the Architects.	20.00	SQM	6000.00	120000.00
35	Providing and fixing in position <b>Toilet Doors out of Marble stone door frame</b> in two pieces including moulding, with fixing the same with cement slurry, araldite, hold fasts etc. as required with waterproof flush shutter finished with ISI grade Laminate on both side including brass oxidised hinges and S.S. handels, aldrops, tower bolts etc. complete as directed by the Architects and as per design.	4.00	SQM	7500.00	30000.00
36	Providing and fixing in position <b>Doors out of Granite stone door frame</b> in two pieces including moulding, with fixing the same with cement slurry, araldite, hold fasts etc. as required with waterproof flush shutter finished with ISI grade Laminate on both side including brass oxidised hinges and S.S. handels, aldrops, tower bolts etc. complete as directed by the Architects and as per design.	10.00	SQM	8000.00	80000.00
37	Providing R.C.C. underground water reservoirs. All according to detailed drawing.				
	a> Excavation upto hard strata.				
	b> M-25 R.C.C. 150mm thick slab for bottom of tank.				
	c> 200 Mm thick R.C.C. Pardi - M-25 Grade				
	d> 150mm th. R.C.C. roof slab M-25 concrete				
	e> China mosaic lining on 12mm th. water proof cement plaster from inside and reough shahabad waterproofing. to outside portion.				
	f> Providing & fixing 2'-0" x 1'-6" R.C.C. manhole frame and covers 2nos.				
	g> Sand faced plaster in C.M. 1:4 in two coats with water proofing compound to external face of wall.				
	h> 50mm dia GI.pipe B class for inlet.	8000.00	LTRS	16.00	128000.00

38	Providing R.C.C. Overhead Tank as per design	8000.00	LTRS	18.00	144000.00
39	Providing Septic TANK - 25 USERS	1.00	NO.	40000.00	40000.00
40	Providing and laying water proofing to terrace (India Type Water Proofing) with 115mm thk. brick bats. Brick bats to be laid to required gradient on cement mortar 1:4. The joints in brick bats to be filled with cement mortar in two layers. All as directed by Architects. ( measurements will be only for the width & the length between walls.) and covering 7 years guarantee on court fee stamp of Rs.100/- with ponding test including all lead, lift etc. complete.	110.00	SQM	1600.00	176000.00
41	Providing and laying china Mosaic paving on 20mm thick cement mortar 1:2 bedding cement floated including flashing at the junction of walls, slab, gutter & washing the entire surface with dilute acid after completion.(Measurement will be given for clear area between walls only without flushing).	110.00	SQM	1400.00	154000.00
42	Providing and applying pearl ( Luster) finish paint in two coats of approved colour and shade to existing surface including putty work , scaffolding preparing the surface to receive paint and applying acrylic wall putty etc. complete (Brand and shade is to be got approved from Architect.)	500.00	SQM	375.00	187500.00
43	Providing and applying two coats of polymer based external paint of standard manufacturer like Apex from Asian Paints, Excel from Nerolac paint of approved colour to the plastered surface including primer coat, scaffolding if necessary cleaning and preparing the surface etc complete.	700.00	SQM	240.00	168000.00
44	Providing 750mm wide and 2.0 mtrs.long Kitchen platform according to detailed drawing as under : a) 25mm th. machine cut black granite for sides & top over base of 25mm th. kotah stone. Shelves supported by machine cut machine polished two pieces of 25 mm. thick Marbhle stones. b) 600 x600mm first quality Vitrified tile to the rear side upto 7'-0" height of 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.	5.00	RMT	10500.00	52500.00
45	Providing and fixing 12mm thick Gypsum false ceiling including framing work, as per Mfg. Specifications and as per the detailed drawings and design and as directed by the Architects. (Make : Saint Gobain or USG Boral or Equivalent make)	150.00	SQM	1500.00	225000.00
46	Providing and fixing constructing Compound wall & Gate as per detailed drawings.	60.00	RMT	12000.00	720000.00
47	Cost of Internal Concealed Electrification	1.00	JOB	950000.00	950000.00
48	Cost of Plumbing and sanitation work	1.00	JOB	700000.00	700000.00
COST OF CIVIL WORK...				TOTAL RS.	12573700.00
SAY RS. 1,25,74,000/-					
NOTE : GST WILL BE PAID EXTRA AT ACTUALS.					

for ASSOCIATED ARCHITECTS &amp; ENGINEERS


  
(AR. PRASHANT NATHE)