

## NAME OF WORK : ESTIMATE FOR CONST. OF RESIDENTIAL BUILDING FOR SHRI. SHIVRAJ &amp; NAGESH SHETKAR ON SURVEY NO 305/A, PLOT NO 89(PART), AT UDGIR DIST.

## LATUR

## ESTIMATE GF, FF,SF only

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
1	<b>Excavation</b> for foundation in earth, soils of all types sand, gravel and <b>soft murum</b> ,Including removing the excavated material upto a distance of 50 M beyond the building area 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 up to 1.50 metre ) Spec No.Bd.A.1 Page No 259 DSR NO.1 PAGE NO.10	1	43.58	0.50	0.40	8.72	10.46	cum	132	1,380.61
	18 columns	18	2.00	1.50	0.40	21.60	25.92	cum	132	3,421.44
2	<b>Excavation</b> for foundation in <b>hard murum</b> Including removing the excavated material upto a distance of 50 M. beyond the building area stacking and spreading as directed, dewatering,preparing the bed for the foundation and necessary back filling ,ramming,watering Including shoring ,strutting complete. ( Lift up To 1.50 Metre ) Spec No.Bd.A.2 Page No 259 DSR NO.3 PAGE NO.10	1	43.58	0.50	0.50	10.90	13.07	cum	153	2,000.32
	18 columns	18	2.00	1.50	0.50	27.00	32.40	cum	153	4,957.20
3	Providing and laying in situ, <b>cement concrete M-10/</b> 1:3:6 of trap/ granite/ quartzite/ gneiss metal for <b>foundation and bedding</b> including dewatering, formwork, compacting, roughening them if special finish is to be provided, finishing if required, and curring etc. complete. Spec. No. : Bd.E.1 Page No. 287 DSR NO.24 PAGE NO.15	1	43.58	0.50	0.10	2.18	2.61	cum	3,430	8,968.76
	18 columns	18	1.50	0.80	0.15	3.24	3.89	cum	3,430	13,335.84
4	Providing and laying in situ, <b>cement concrete M-15/</b> 1:2:4 of trap/ granite/ quartzite/ gneiss metal for <b>foundation and bedding</b> including dewatering, compacting and curring etc. complete. Spec. No. : Bd.E.1 Page No. 287 DSR NO.23 PAGE NO.15	1	43.58	0.23	0.10	1.00	1.25	cum	4,370	5,475.28
	18 columns	18	0.90	0.45	0.10	0.73	0.87	cum	4,370	3,822.88

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
5	Providing and laying in situ, <b>cement concrete M-20</b> of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete work in <b>foundation &amp; above</b> like raft, grillages, strip foundation and footings of reinforced cement concrete <b>columns</b> and steel stanchion including bailing out water, formwork, compaction, and finishing, curing etc. complete. (Excluding steel reinforcement and structural steel ) Spec. No. : Bd.F.3 Page No. 298 DSR NO.34 PAGE NO.18	10	7.59	0.23	0.40	6.98	9.08	cum	4,850	44,026.55
	18 columns	18	0.90	0.45	0.15	1.09	1.42	cum	4,850	6,894.52
	18 columns	18	14.00	0.50	0.23	28.98	37.67	cum	4,850	182,718.90
6	Providing and Casting in situ, <b>cement concrete M-20</b> of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete <b>beams and lintels</b> as per detailed designs and drawing or as directed including centering formwork, compaction and finishing the formed surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement ) Spec. No. : Bd.F.6 Page No. 300 DSR NO.37 PAGE NO.19	4	43.58	0.23	0.30	24.06	31.27	cum	6,750	211,092.80
7	Providing and Casting in situ, <b>cement concrete M-20</b> of trap/ granite/ quartzite/ gneiss metal for reinforced cement concrete <b>slabs</b> and landings as per detailed designs and drawing or as directed including centering formwork, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement ) Spec. No. : Bd.F.8 Page No. 302 DSR NO.39 PAGE NO.19	3	18.04	9.40	0.10	50.87	50.87	cum	6,400	325,585.92
		3	9.02	3.99	0.10	10.80	10.80	cum	6,400	69,100.42
8	Providing and fixing in position ..... <b>bar reinforcement</b> of various diameters for reinforced cement concrete pile caps, footing, foundations, slabs, beams, columns, canopies, stair case, newels, chajjas, lintels, pardis, copings, fins, arches etc.as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. Spec. No. : Bd.F.17 Page No. 306 DSR NO. 49 PAGE NO.21	LS				12.24	12.24	MT	54,700	669,624.82

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
9	Providing second class <b>Burnt Brick masonry</b> with conventional / Indian Standard type bricks in cement mortar 1:6 in foundation and plinth of inner walls / in plinth of external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete. Spec. No. : Bd.G.1 Page No. 313 DSR NO.56 PAGE NO.23	3	43.58	0.23	3.00	90.21	81.19	cum	4,750	385,650.32
10	<b>Filling in plinth</b> and floors with contractor's soil, sand or murum in 15 cm. to 20 cm. layers including watering and compaction etc.complete. Spec No.Bd.A.11 Page No 263 DSR NO.14 PAGE NO.12	1	18.04	9.40	0.90	152.62	183.14	cum	275	50,364.07
11	Providing <b>soling</b> using 80 mm. size trap metal in 15 cm. layer including filling voids with sand/ grit ramming, watering complete. Spec No. : As directed by Engineer in charge DSR NO.16 PAGE NO.13	1	9.02	3.99	0.90	32.39	38.87	cum	275	10,688.97
11	Providing <b>soling</b> using 80 mm. size trap metal in 15 cm. layer including filling voids with sand/ grit ramming, watering complete. Spec No. : As directed by Engineer in charge DSR NO.16 PAGE NO.13	1	18.04	4.75	0.20	17.14	20.57	cum	480	9,871.49
12	Providing and fixing country teak <b>wood frame</b> of required size as per drawing for second class doors and windows, ventilators, fan light, cup boards and clear storey windows including chamfering/ rounding, rebating and mild steel hold fast of size 300 X 40 X 5 mm. fixed with screw by drilling holes to wooden frames including cutting recesses into frame to accommodate outside strip of frame grill and finishing with oil painting complete. Spec. No.: Bd.T.2 Page No. 478 DSR NO.236 PAGE NO.60	1	43.01			43.01	47.31	sqm	1,800	85,166.53
13	Providing and Fixing <b>granite cladding</b> verticals jambs, sill of door& windows with machine cut approved quality granite stone 20 to 25mm thick with 1:4 white cement mortar including cement float filling joint with neat cement slurry racking groove moulding cutting mirror polishing curing cleaning using the carpet for holding the granite stone in proper position and covering with plaster of paris to avoid damages cleaning the same on completion of work etc complete including all leads and units directed by Engineer in charges (Prior approval of sample and brand by Executive Engineer is necessary before use )DSR NO.148 PAGE NO.43	1	43.01			43.01	47.31	sqm	1,800	85,166.53

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
14	Providing and fixing <b>mild steel grill work</b> for windows, ventilators etc. - - as per drawing including fixtures, necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete. Spec. No. :Bd.U. 1 Page No. 537 DSR NO.346 PAGE NO.87 <b>20kg/sqm</b>	1	43.01			43.01	25.81	sqm	2,130	54,971.13
15	Providing and fixing in position powder coated to the approved shade <b>aluminium sliding windows</b> of two tracks mitred and mechanically assembled at corners with frame size of 62 X 45 mm. (Bottom frame with gutter section, bottom frame 0.90 Kg/m and top and side frames 0.838 Kg/m ) shutters with sections of 18 mm. X 40 mm. (Wt. 0.56 Kg/m) and interlocking sections 18 mm. X 40 mm. (Wt. 0.625 Kg/m) including 4 mm. thick plain sheet glass, glazing clips, rubber / PVC gasket, roller bearing encased in nylon casing and self locking catch fitted in vertical section with all other accessories etc. complete. DSR NO.324 PAGE NO.82	1	21.51			21.51	25.81	sqm	4,350	112,264.97
16	Providing <b>internal cement plaster</b> 6 mm. thick in a single coat in cement mortar 1:3 without neeru finish to concrete surface in all positions including scaffolding and curing complete. Spec. :Bd.L . Page No. 367 DSR NO.87 PAGE NO.31	4	80.24		3.00	962.88	1,348.03	sqm	175	235,905.60
17	Providing <b>sand faced plaster externally</b> in cement mortar using khasalia/ kasaba or similer type of 15 mm. thick in cement mortar 1:4 using waterproofing compound at 1 Kg. 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 10 mm. thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc. complete.for compound Wall. ( Only for Building works not for compound wall) Spec. :Bd.L .7 Page No. 367 DSR NO.96 PAGE NO.32	4	40.93		3.00	491.16	589.39	sqm	265	156,188.88

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
18	Providing and fixing 30 cm. wide 22 gauge <b>chicken mesh over joints</b> of reinforced concrete member and brick/ stone masonry of approved quality including necessary nailing, drilling and lapping etc. complete. DSR NO.435 PAGE NO.110	4	80.24		3.00	962.88	240.72	sqm	63	15,165.36
19	Providing and fixing coloured <b>vitirified tiles</b> of approved first quality colour and size of 2'x2' for Dado and skirting in required position pattern / design laid on cement mortor ( 1:4) including filling joints with neat cement slurry mixed with pigment to match the colour with tiles ,curing rubbing and polishing complete as directed by engineer in charge. (Prior approval of sample and brand by Executive Engineer is necessary before use )DSR NO.142 PAGF NO.41	3	18.04	9.90		535.79	455.42	sqm	1,575	717,286.19
20	Providing and fixing in required position <b>skirting or dado</b> of vitrified tiles 25 mm. to 30 mm. thick and 30 cm. wide on 1:4 cement plaster including cement float, filling joints with neat cement slurry, curing, rubbing, polishing and cleaning complete. Spec. No. Bd.M. 5 Page No. 381 DSR NO.122 PAGE NO.36	3	9.00	3.99		107.73	91.57	sqm	1,575	144,223.54
		3	40.93	0.15		18.42	2.76	sqm	1,890	5,221.64
21	Providing and fixing <b>ceramic tiles</b> of approved quality and size 7 mm. thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/ coloured cement slurry, cleaning, curing complete. Spec. No. :As directed by Engineer in charge DSR NO.139 PAGE NO.41	4	5.48	1.00		21.92	3.29	sqm	1,230	4,044.24
22	Providing and fixing <b>mild steel grill railing</b> - - with teak wood hand rail of size 75 mm. X 60 mm. and sill of 75 mm. X 25 mm. and newel posts for stair cases, including fabricating, fixtures, erecting painting the grill work with one coat of anti corrosive paint and two coats of oil painting with approved colour and polishing the sill, hand rail and the newel post with french polish. <b>30kg/sqm</b> Spec. No. :Bd.U. 2 Page No. 537 DSR NO.347 PAGE NO.87	4	6.00	1.00		24.00	26.40	sqm	3,185	84,084.00

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
23	Providing and installing high density polyethylene <b>water storage tanks</b> moulded to seamless perfection from FDA approved grades of polyethylene in approved shape and size with specified capacity in specified position complete. (Prior approval of sample and brand by Executive Engineer is necessary before use ) Spec. No. : As directed by Engineer in charge ( SINTEX TANK ONLY )DSR NO.363 PAGE NO. 91						7,000.00	lit	12	84,000.00
24	Providing and fixing on walls/ ceiling / floors, 15 to 60 mm. diameter medium grade (type) having embossed as ISI Mark <b>galvanised iron pipes</b> with screwed, sockets, joints and necessary galvanised iron fittings such as sockets, back nuts, elbows, bends, tees, reducers, enlargers, plugs, clamps etc. including necessary drilling holes in walls, slabs etc. and remaking good the demolished portion to restore the same in original condition neatly and applying anti corrosive primer oil paint and two coats of oil painting , testing complete. (Prior approval of sample and brand by Executive Engineer is necessary before use ) Spec. No. :Bd.V.5 Page No. 551 DSR NO.351 PAGE NO. 88						135.00	rm	300	40,500.00
25	Providing and fixing - - diameter wheeled <b>stop tap</b> of brass including necessary sockets union nut complete.(conforming I.S: 781) (Prior approval of sample and brand by Executive Engineer is necessary before use ) Spec. No. :Bd.V.9 Page No. 555 DSR NO.355 PAGE NO. 90						8.00	no.	450	3,600.00
26	Providing and applying <b>priming coat</b> on concrete/ masonry/ asbestos cement/ plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign material and sand papering as required. Spec. No. :As directed by Engineer in charge DSR NO.183 PAGE NO.49						1,348.03	sqm	60	80,881.92

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
27	Providing and applying washable <b>oil-bound distemper or luster paint</b> of approved colour and shade to old and new surface in three coats including scaffolding preparing the surfaces (excluding the primer coat) etc.complete. Spec. No. :Bd.P.5 Page No. 413 DSR NO.198 PAGE NO.52 DSR NO. PAGE NO.					1,348.03		sqm	110	148,283.52
28	Providing and applying three coats of <b>water proof cement paint</b> of approved manufacture and approved colour to the plastered surfaces including scaffolding if necessary, cleaning and preparing the surface watering for two days complete. Spec. No. :Bd.O. 8 Page No. 406 DSR NO.180 PAGE NO.49					589.39		sqm	150	88,408.80
29	Providing and fixing country teak wood double leaf 2nd class fully <b>panelled door shutters</b> without ventilator / fanlight as per detailed drawing including size of style, top rail, frieze rail 95 mm. X 40 mm. thick with lock and bottom rail 195 mm. X 40 mm. thick with panel of 35 mm. thickness including iron oxidised fixtures and fastenings, finishing the wood work with one coat of primer (excluding door frame ) complete. ( for span of 1400mm X 2800 mm ) Spec. No. : Bd.T. 4 Page No. 479,480 DSR NO.246 PAGE NO.62	10	2.01	1.20		24.12	28.94	sqm	5,103	147,701.23
30	Providing and laying in position unplasticized polyvinyl chloride (UPVC) ultra violet stabilised 110 mm. outer diameter for <b>soil / waste pipe</b> confirming to I.S. 4985 to withstand pressure of 2.5 Kg/cm2 including necessary fitting such as P.V.C. bends with door tee with door single junction, with door double junction with door P.V.C. clamps, nails rubber ring and making all connections water tight with solvent element and testing, boring holes in masonry / concrete and redoing the same in cement mortar 1:4 curing etc. complete.DSR NO.400 PAGE NO.102	10	1.90	0.90		17.10	20.52 27.00	sqm rm	5,103 390	104,713.56 10,530.00

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
31	Providing and fixing coloured glazed earthenware <b>Wash Hand Basin</b> of 63 cm. X 45 cm. size including single cold water pillar tap/ brackets, rubber plugs and brass chain, stop tap and necessary P.V.C. pipe connections including P.V.C. waste pipe and bottled trap upto the outside face of the wall. Spec. No. Bd.V. 30 Page No. 565 DSR NO.389 PAGE NO.100					4.00		no.	5,320	21,280.00
32	Providing and fixing Orissa Pattern type white glazed earthenware 580 X 440 mm. <b>water closet</b> Pan including trap cast iron soil and vent pipes upto the outside face of the wall, 1:2 lime concrete/ 1:5:10 cement concrete bedding. 10 litres PVC low level flushing cistern ceith fitting, inlet pipe with stop tap/ brackets for fixing the cistern, 32 mm. diameter P.V.C. flush pipe with fitting and cistern 20 mm. diameter P.V.C. overflow pipe with mosquito proof coupling and pull painting of the cistern and pipes and cutting and making good walls and floors. (Prior approval of sample and brand alike parryware/ Jagwar/ Nitco/Crabtree by Executive Engineer is necessary before use ) Spec. No. : Bd.V.20 Page No. 559 DSR NO.366 PAGE NO.93					4.00		no.	4,900	19,600.00
33	Providing and fixing- 150mm dia- cast iron <b>Nahani Trap</b> including grating, bend and piece of cast iron pipe upto the outside face of the wall complete.(with 45 cm. arm) Spec. No. Bd.V. 32 Page No. 567 DSR NO.393 PAGE NO.101					8.00		no.	770	6,160.00
34	Providing and fixing 15 cm. X 10 cm. salt glazed stone ware <b>gully trap</b> in cement concrete 1:4:8 outside the building including cast iron grating in the sink, connecting glazed stoneware pipe, brick masonry chamber with cast iron grating for the gully trap, and shahabad stone covering fixed with cement mortar. Spec. No. Bd.V. 38 Page No. 572 DSR NO.403 PAGE NO.103					8.00		no.	847	6,776.00
35	Providing, and fixing chromium plated <b>towel rod</b> 16 mm. diameter and 75 cm. in length including all accessories complete. Spec. No. : As directed by Engineer in charge DSR NO.414 PAGE NO.105					8.00		no.	128	1,024.00



ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
36	Providing and constructing Brick Masonry in cement mortar 1:6 for <b>Inspection Chamber</b> Size 90x45- including 1:4:8 cement concrete foundation, 1:2:4 cement concrete channels half round S.W.G. pipes, with plastering brick masonry inside and outside with cement mortar 1:4 and inside neat cement finish including 75 mm. thick R.C.C. cover etc. complete depth upto 1.20m. Spec. No. Bd.V. 43 Page No. 574 DSR NO.406 PAGE NO.103					8.00		no.	3,570	28,560.00
37	providing <b>water proof bedding</b> to floors of bath, W.C with average 15 cm thick including cleaning the surface, applying cement slurry, admix with water proofing compound at the rate of 1 Kg. per bag of cement laying brick bats in one layer sandwiched between two layers of 20 mm. thick in cement mortar 1:4 proportion including final smooth cement finishing coat mixed with jute at the rate of 1 Kg. per bag, water proofing compound as per requirement with redoing etc. complete including 30 cm. height of wall in cement mortar 1:4 with water proofing treatment. 7 year guarantee on court fee stamp paper of Rs. 100/- including ponding test etc. complet. Spec. No. As directed by Engineer in charge DSR NO.71 PAGE NO.27					10.39		sqm	2,465	25,626.35
38	Providing and fixing mosquito proof and <b>fly proof mesh</b> to windows, ventilators with malaysian wood frame and nuwud wood size 0.05 X 0.05 including fixing of mesh of single 0.025 X 0.025 including fixed for windows, ventilators including painting, labour charges, materials etc. complete. DSR NO.441 PAGE NO. 110					28.94		sqm	826	23,907.74
39	Providing and fixing 100mm. diameter chromium plated brass <b>showers</b> rose to 15 mm. diameter supply pipe including necessary bend and socket complete. (Prior approval of sample and brand by Executive Engineer is necessary before use ) Spec. No. :Bd.V.12 Page No. 556 DSR NO.358 PAGE NO.91					4.00		no.	350	1,400.00

ITEM No	DESCRIPTION	No.	L	B	D	Qty	Fin. QTY	UNIT	RATE	AMOUNT
40	Providing, and fixing Asbestos Cement slotted <b>Cowl Dome</b> 100 mm. diameter in soil pipe etc. with neat cement etc. complete. Spec. No. : As directed by Engineer in charge DSR NO.416 PAGE NO.105					2.00		no.	69	137.20
41	Providing, and fixing Aluminium / chromium plated <b>wall peg</b> 45 cm. long with 4 Nos. hooks fixed on a wall etc. complete. Spec. No. : As directed by Engineer in charge DSR NO.415 PAGE NO.105					4.00		no.	52	207.20

C.O.	<b>TOTAL RS</b>	<b>4,551,967.25</b>
B.F.	<b>TOTAL RS</b>	<b>4,551,967.25</b>
Add for extra lead & lifts	3.00%	<b>136,559.02</b>
Add for curent rates	15.00%	<b>682,795.09</b>
Add for electrical works	3.00%	136,559.02
Add for Archi. & supervision works	3.00%	136,559.02
Add for contingent items	6.00%	273,118.04
<b>Gross TOTAL Rs.</b>		<b>5,917,557.43</b>

In Words Rs. Fifty nine lakhs Seventeen thousand Five hundred Fifty seven and Paise Forty three only

Bup area 180.30 sqm  
 Bup area rate/sqm **32,821**



For S. M. Parchure & Associates  
  
 Proprietor

Estimate prepared and signed by S.M.Parchure Chartered Engineer No.LM-21420, Latur Date 12-Sept-2016

Note:- Subject to actual modifications done by owner at site per his requirements etc