

Er. Vinod Asutkar
Consulting Civil Engineer
Kalamb / Yavatmal.

Date 22.03.2014

DETAIL ITEMWISE ESTIMATE.

The itemwise estimate for the Proposed Residential Building on G.P plot No.....
Pr[perty No.27 /1 ; Ward No.2; Grampanchayat Pardi (Sawlapur) ; Mouja Pardi (Sawlapur)
Tq. Kalamb Dist. Yavatmal Belonging to **Shri Pramod Panjabrao Nagpure.**

Estimate is drafted as per detailed drawing and Abstract Sheet & Measurement Sheet
attached herewith and Rates are adapted from P.W.D.Yavatmal circle C.S.R.2013-14.

The Detailed Estimate is worked out to be **Rs. 450150.00**
(in words : Rs. Four lac Fifty thousand One hundred Fifty only.)

Encl.

1. General Abstract : 1
2. Abstract Sheet. : 3
3. Measurement Sheet. : 4
4. Copy of Detailed Building Drawing.: 1

ENGINEER

Vinod Asutkar
22.3.14

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Consulting Civil Engineer
Kalamb Yavatmal
Regd. No. Yt.MCL. No. 09-93

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Consulting Civil Engineer; Kalamb.
Kalamb / yavatmal.

Name of Work : Construction of Residential Building on G.P plot No.....
Property No.27 /1 ; Ward No.2 Grampanchayat Pardi (Sawlapur) ;
Mouja Pardi (Sawlapur);Tq. Kalamb Dist.Yavatmal
Belonging to **Shri Pramod Panjabrao Nagpure.**

GENERAL ABSTRACT

1) Cost of Construction	Abstracted .	RS.	391440.00
2) Add 4 % for Electrification		RS.	15657.00
3) Add 4 % for Sanitary Provisions.		Rs.	15657.00
4) Add 4 % for Water Supply.		RS.	15657.00
5) Add 3 % for Supervision & Q.C.		RS.	11743.00

Total Rs. **450154.00**

Say Rs. 450150/-

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Regd. No. YTL/MCL. No. 09-93

ITEM NO	ITEM OF WORK	ABSTRACT 1	QTY	RATE	UNIT	AMOUNT
1	Excavation for foundation in earth, soils of all types, sand, gravel, and soft murum, including removing the excavated material upto a distance of 50m beyond the building area and stacking or spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, running watering including shoring and strutting as necessary complete. (C.S.R. NO.1/Page No.001.)		33.43	115.00	Per Cum	3844.00
2	Providing and laying in situ, cement concrete in 1:4:8 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water plywood/steel formwork, compacting, finishing uneven and honeycombed surface curing etc. complete The cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) (C.S.R. NO.2/Page No.08.)		3.92	2490.00	Per Cum	9761.00
3	Providing and constructing U.C.R. Masonry in C.M. 1:6 including bailing of water racking the joints curing etc. comple. (C.S.R. NO.1./Page No22.)		22.31	2250.00	Per Cum	50197.5
4	providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in super structure including striking joints, racking out joints watering and scaffolding complete. (C.S.R. NO.4/Page No.29)		18.59	4200.00	Per Cum	78078
5	Filling in plinth and floor with contractors approved material / Sand or murum in 15 cm to 20 cm layers including watering and compaction complete. (C.S.R. NO.8/Page No.3)		21.20	340.00	Per Cum	7208.00
6	Providing and casting in situ cement concrete M-20 of trap / quartzite / granite / gneiss metal for R.C.C., slab and landing as per detailed design and drawings including steel centering plywood/ steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening them if special finish is to be provided with fan hook box or 2mm thick M.S. sheet rectangular size 180mm x 100mm with required depth with holes or notches as required, bottom and top lids of 1.6mm thick M.S. sheet fixed with 3.5mm dia. Round headed screws together with 12mm dia.M.S. bar bent ti shape with hooked ends for fan and painting to exposed surface and curing etc. complete. (Excluding reinforcement) The cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be gunny bag, plastic, tarpaulin etc. (Wooden centering C.S.R It.No.11 / Pg No.15)Slab		4.64	6000.00	Per Cum	27840.00

7	Providing and casting in situ cement concrete M-20 of trap / quartzite / granite / gneiss metal for R.C.C., chajja as per detailed design and drawings including steel centering, plywood / steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 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 etc. complete. Including use of plastisizer wherever necessary as directed by Engineer-in-charge (cost of plastisizer is included in ITEM) (Excluding reinforcement) The cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) (C.S.R. NO.12/Pg.No.15.)	0.71	6050.00	Per Cum	4296.00
8	Providing internal cement plaster 20 mm thick in a single coat in cement mortar 1:5 without neeru finish to concrete or brick surface in all positions including scaffolding and curing complete. Providing groove at joint of B.B. Masonry and concrete members complete. (C.S.R. NO.7/Page No.34)	139.57	210.00	Per Sqm	29310.00
9	Providing sand faced plaster for external portion in cement mortar using Kharsalia/Kasaba or similar type of sand, in all positions including base coat of 15 mm. thick in C.M. 1:4 using water proofing compound at 1kg per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in C.M. 1:4 finishing the surface by taking out grains, making grooves and curing for fourteen days scaffolding etc. complete. (C.S.R. NO.11/Page No.34)	101.76	330.00	Per Sqm.	33581.00
10	Providing and fixing single leaf panelled doors C.C.T.W. 60mm x 100mm. Frame without ventilator. Shutter 35mm thick as per detailed drawing consisting C.C.T.W. vertical styles and top rail 100mm x 35mm. & lock & bottom rail 200mm x 35mm & panel with 12mm. Thick particle board laminated on both sides (coloured) (Conforming I.S. 3097) including IRON OXIDISED fixtures & fastening & T.W. Beading at junctions of panel inserted including three coats of oil of oil painting complete. (old C.S.R. NO.68/Page No.96)	13.05	5370.00	Per Sqm	70079.00
11	Providing and fixing in position mild steel /HYSD Bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, and columns, canopies, staircases, chajjas, lintels, copings, fins, arches etc. as per detailed design and drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. (C.S.R. NO.18/Page No.18.)	517.26	62.00	Per Kg.	32070.12

ABSTRACT SHEET NO.3

12	Providing and laying Ceramic Tile of size 60 cm x 60 cm and 10 mm thick of approved colour and pattern for flooring in required position set on bed of C.M. 1:6 including neat cement float, filling joints with neat cement slurry, curing etc. complete. (C.S.R. NO.24/Page No.53.)	31.98	880.00	Per Sqm	28142.00
13	Providing and applying washable oil bound distemper of approved colour and shade to old and new surface in two coat including scaffolding preparing the surface (Excluding the primer coat) complete. (C.S.R. NO.20/Page No.45)	101.76	32.00	Per Sqm	3256.00
14	Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete. (Sample and brand is to be got approved from Ex. Engineer before use) (C.S.R. NO.23/Page No.61)	101.76	47.00	Per Sqm	4783.00
15	Providing and fixing mild steel grill work for windows ventilators, etc. 20 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete. (C.S.R. NO.1/Page No.102)	4.86	1850.00	Per Sqm	8991.00

Total Abstracted Ammount

391436.62

Say Rs.391440 /-

ENGINEER

(Signature)
22/3/14
Fr. Vinod Asutkar
Consulting Civil Engineer
Kalamh Yavatmal
Regd. No. YU.MCL. No. 09-93

ITEM OF WORK		STATEMENT SHEET NO.1					
Sl. NO.	DESCRIPTION OF WORK	NO	L	B	D	QTY	Unit
1	Excavation for foundation in earth, soils of all types, sand, gravel, and soft murum, including removing the excavated material upto a distance of 50m beyond the building area and stacking or spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling ramming watering including shoring and strutting as necessary complete. (C.S.R. NO.1/Page No.001.)						
	Excavation for Long walls	L1	2	8.21	0.75	1.35	16.620
	Excavation for Short walls	S1	3	4.05	0.75	1.35	12.300
	Excavation for steps out side	S1	1	3.13	0.75	1.35	3.160
			2	1.50	0.75	0.60	1.350
						Total Net Qty=	33.43
2	Providing and laying in situ, cement concrete in 1:4:8 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water plywood/steel formwork, compacting, finishing uneven and honeycombed surface curing etc. complete The cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.) (C.S.R. NO.2/Page No.08.)						
	L1	2	7.91	0.75	0.15	1.78	Cum
	S1	3	4.35	0.75	0.15	1.46	Cum
	S1	1	3.13	0.75	0.15	0.35	
	For Steps	2	1.50	0.75	0.15	0.33	
						Total Net Qt	3.92
3	Providing & constructing U.C.R.Masonry for foundation & plinth in C.M. 1:6 including bailing of water, racking out joints curing etc complete. (C.S.R. No.1/ Page No.22.)						
	L1	2	7.91	0.45	1.35	9.61	
	S1	3	4.35	0.45	1.35	7.92	
	S1	1	3.43	0.45	1.35	2.08	
	steps	2	1.50	1.00	0.90	2.70	
						Total Net Qt	22.31
4	providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in super structure including striking joints, racking out joints watering and scaffolding complete. (C.S.R. NO.4/Page No.29)						
	L1	2	7.69	0.23	3.00	10.61	
	S1	3	4.57	0.23	3.00	9.46	
	S1	1	3.65	0.23	3.00	2.51	
						Total Qty=	22.58
	Deduction for Opening						
	D	2	0.90	0.23	2.10	0.86	(-)
	D1	2	0.75	0.23	2.10	0.72	(-)
	A	2	0.90	0.23	2.10	0.86	(-)
	W1	4	0.90	0.23	1.20	0.99	(-)
	W2	1	1.50	0.23	1.20	0.41	(-)
	V	2	0.45	0.23	0.60	0.12	(-)
						Net Qty=	18.59

5	Filling in plinth and floor with contractors approved material / Sand or murum in 15 cm to 20 cm layers including watering and compaction complete. (C.S.R. NO.8/Page No.3) In Plinth below flooring							
	Hall	1	4.35	2.90	0.90	11.350		
	Kitchen	1	2.67	2.20	0.90	7.690		
	Passage & Sanitary Unit	1	0.75	3.20	0.90	2.160		
							Total Qty=	21.20
6	Providing and casting in situ cement concrete M-20 slab and landing as per detailed design and drawings including steel centering plywood/ steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening them if special finish is to be provided with fan hook box or 2mm thick M.S. sheet rectangular size 180mm x 100mm with required depth with holes or notches as required, bottom and top lids of 1.6mm thick M.S. sheet fixed with 3.5mm dia. Round headed screws together with							Cum.
	Contd. Item. No.13..... 12mm dia.M.S. bar bent ti shape with hooked ends for fan and painting to exposed surface and curing etc. complete. (Excluding reinforcement) The cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be gunny bag, plastic, tarpaulin etc.(Wooden centering will not be allowed.) (C.S.R. It. No 11/Pg.No.15) Slab	1	5.03	7.69	0.12	4.640		
							Total Net Qty=	4.64
7	Providing and casting in situ cement concrete M-20 of trap / quartzite / granite / gneiss metal for R.C.C., chajja as per detailed design and drawings including steel centering, plywood / steel formwork, steel props, compaction, finishing uneven and honeycombed surface with C.M. 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 etc. complete. Including use of plastisizer wherever necessary as directed by Engineer-in-charge (cost of plastisizer is included in ITEM) (Excluding reinforcement) The cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.(Wooden centering will not be allowed.) (C.S.R. NO.12/Pg.No.15.)							
	W1 & A	5	1.20	0.83	0.075	0.370		
	W2 & D	2	1.80	0.83	0.075	0.220		
	Lintel	3	1.20	0.23	0.150	0.120		
							Total Qty=	0.71
8	Providing internal cement plaster 20 mm thick in a single coat in cement mortar 1:5 without neeru finish to concrete or brick surface in all positions including scaffolding and curing complete. Providing groove at joint of B.B. Masonry and concrete members complete. (C.S.R. NO.7/Page No.34)							Cum.
	Hall	1	4.57	3.35		15.30		
		2	4.57	3.00		27.42		Sqm.
		2	3.35	3.00		20.10		Sqm.
	Kitchen	1	3.12	3.65		11.38		
		2	3.12	3.00		18.72		Sqm.
		2	3.65	3.00		21.90		Sqm.
	Sanitary Unit	1	1.20	3.65		4.38		
		2	1.20	3.00		7.20		

MEASUREMENT SHEET NO.3

9	Providing sand faced plaster for external portion in cement mortar using Kharsalia/Kasaba or similar type of sand, in all positions including base coat of 15 mm. thick in C.M. 1:4 using water proofing compound at 1kg per cement bag, curing the same for not less than 3 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in C.M. 1:4 finishing the surface by taking out grains, making grooves and curing for fourteen days scaffolding etc. complete. (C.S.R. NO.11/Page No.34)	2	7.69						
		2	2.03			4.00	61.520		
						4.00	40.240		
						Total Qty=	101.76	Sqm.	
	Deductions left for chhajja plastering.								
						Deduction Qty=	0.00	Sqm.	
						Net Qty=	101.76	Sqm.	
10	Providing and fixing single leaf panelled doors C.C.T.W. 60mm x 100mm. Frame without ventilator. Shutter 35mm thick as per detailed drawing consisting C.C.T.W. vertical styles and top rail 100mm x 35mm. & lock & bottom rail 200mm x 35mm & panel with 12mm. Thick particle board laminated on both sides (coloured) (Conforming I.S. 3097) including IRON OXIDISED fixtures & festening & T.W. Beading at junctions of panel inserted including three coats of oil of oil painting C.S.R. NO.68/Page No.96)	D	2	0.90		2.10	3.780		
		D1	2	0.75		2.10	3.150		
		W1	4	0.90		1.20	4.320		
		W21	1	1.50		1.20	1.800		
						Total Qty=	13.05	Sqm.	
11	Providing and fixing in position mild steel / HYSD bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams and columns, canopies, staircases, newly, chajjas, lintels, pardies, coping, fins, arches etc. as per detailed design and drawings and schedules including cutting bending, hooking the bars, binding with wires or tack welding and supporting as required completed. (C.S.R. NO.18/Page No.18.)								
	8) Chajja & Loft		0.710	Cum @	75		53.26		
	7) Slab M-20		4.640	Cum @	100		464.00		
					Total =		517.26	Kg.	
12	Providing and laying gray cement base marble mosaic tiles 25cm x 25 cm and 20 mm thick of approved colour and pattern with white and coloured marble chips upto maximum size 6 mm for flooring in required position set on bed of C.M. 1:6 including neat cement float, filling joints with neat cement slurry, curing polishing and rubbing complete. (C.S.R. NO.24/Page No.53.)								
	Hall	1	4.57	3.35			15.30	Sqm.	
	Kitchen & Sanitary Unit	1	4.57	3.65			16.68		
						Total Net Qty=	31.980	Sqm.	

MEASUREMENT SHEET NO. 4

- 13 Providing and applying washable oil bound distemper of approved colour and shade to old and new surface in two coat including scaffolding preparing the surface (Excluding the primer coat) complete.

(C.S.R. NO.20/Page No.45)

Qty same as Item No.10

Net Qty=	101.76	Sqm.
	101.76	Sqm.

- 14 Providing and applying three coats of water proof cement paint of approved manufacture and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete. (Sample and brand is to be got approved from Ex. Engineer before use)

(C.S.R. NO.23/Page No.61)

Qty Same as Item No.10

Net Qty=	101.76	Sqm.
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- 15 Providing and fixing mild steel grill work for windows ventilators, etc. 25 kg/sqm as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete.

(C.S.R. NO.1/Page No.102)

W1	4	0.78	1.08	3.370	Sqm.
W2	1	1.38	1.08	1.490	Sqm.
Net Qty				4.860	Sqm.

ENGINEER r

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