

**APPROXIMATE ESTIMATE FOR PROPOSED BLOCK-1OR A(B+S+5) & BLOCK-2 OR B (B+S+5) STORIED RESIDENTIAL APPARTMENT BUILDING FOR MAMATA ROUT,SURJYAKANTA MISHRA& MR.ABHAYA KUMAR PANDA(GPA HOLDER) OVER GA PLOT NO:No.550 ,550/3604,&550/2323 Khata No:- 474/3488,474/1942&474/509 AT MOUZA- PATIA ,BHUBANESWAR**

**SECTION-I**

**FOUNDATION , PLINTH BEAM, COLUMN ,ROOF BEAM SLAB ,BRICK WORK&PLASTER**

Sl. No.	DESCRIPTION	Qty.	Unit	Rate in Rs.	Amount in Rs.
1	Earth work in excavation of foundation trenches as shown in drawing in all sorts of soil (Including filled up soil, or morrum mixed with gravels) preparation of bed, trimming the sides of trenches, leveling, dressing and ramming the bottom including necessary shoring, dewatering complete.	165.00	nos	8500.00	1402500.00
2	Supplying &filling with sweat river sand in plinth brought from outside in layer not exceeding 600mm in depth &consolidating each layer by ramming &watering.	250.00	Cum.	475.00	118750.00
3	Providing and laying cement concrete with graded stone aggregate of 40mm nominal size to column pilecap foundation & tie beam, sub floor, etc. including cost of curing, centering and shuttering and conveyance of all labour and materials etc. complete in all respects.				
	P.C.C. (1:4:8).	40.00	Cum.	4200.00	168000.00
4	Brick masonry work in cement mortar (1:6) in full brick thick walls using K.B. Bricks having minimum crushing strength of 75 Kg/cm <sup>2</sup> after immersing the bricks for 24 hours in water before use in foundation and plinth with all necessary projections, cutting, moulding, corbelling, chamfering, watering and curing etc. including cost, conveyance, royalties and taxes of all materials and cost of labour, T&P required for the work etc. complete.				
	Full brick thick brick work in c.m. (1:6) in plinth.	25.00	Cum.	4400.00	110000.00

**Er. NAGENDRA KUMAR PARIDA**  
**STRUCTURAL ENGINEER**  
 Reg. No-RTP/DTP (ST-ER)-456/2021

**Ar. Suraj Kiran Patra**  
 Regd. No.: CA/2010/48309

for Sainath Earthmovers (P) Ltd.

**Abhaya Kumar Panda**  
 Managing Director

5 (a)	Providing R.C.C. in proportion 1:1.5:3 by volume 1 cement : 1.5 crusher broken down graded granite chips of 20mm size : 3 coarse sand including hoisting and laying concrete by suitable means, including curing for 3 weeks including cost and conveyance, royalties and taxes of all materials and labour required for the work etc. complete in all respect but including cost of reinforced steel and centering &				
(i)	Foundation	280.00	Cum.	7,000.00	1960000.00
(ii)	Plinth beam	160.00	Cum.	7,000.00	1120000.00
(iii)	Grade beam and slab	35.00	Cum.	7,000.00	245000.00
(iv)	Retaining wall	35.00	Cum.	7,000.00	245000.00
(v)	R.C.C Column				
	BASEMENT FLOOR	20.00	Cum.	7,000.00	140000.00
	STILT FLOOR	20.00	Cum.	7,000.00	140000.00
	FIRST FLOOR	20.00	Cum.	7,100.00	142000.00
	SECOND FLOOR	20.00	Cum.	7,200.00	144000.00
	THIRD FLOOR	20.00	Cum.	7,300.00	146000.00
	FOURTH FLOOR	20.00	Cum.	7,400.00	148000.00
	FIFTH FLOOR	20.00	Cum.	7,400.00	148000.00
	TERRACE FLOOR	8.00	Cum.	7,500.00	60000.00
(vi)	Roof Beam,Slab&Lintel Chajja				
	BASEMENT FLOOR	160.00	Cum.	7,000.00	1120000.00
	STILT FLOOR	160.00	Cum.	7,000.00	1120000.00
	FIRST FLOOR	160.00	Cum.	7,000.00	1120000.00
	SECOND FLOOR	160.00	Cum.	7,100.00	1136000.00
	THIRD FLOOR	160.00	Cum.	7,200.00	1152000.00
	FOURTH FLOOR	160.00	Cum.	7,300.00	1168000.00
	FIFTH FLOOR	160.00	Cum.	7,400.00	1184000.00
	TERRACE FLOOR	50.00	Cum.	7,500.00	375000.00
(vii)	Staircase	18.00	Cum.	7,000.00	126000.00
(viii)	Lift	8.00	Cum.	7,000.00	56000.00
(ix)	Head Room	8.00	Cum.	7,000.00	56000.00
(x)	Water Tank	10.00	Cum.	7,000.00	70000.00
					<b>13321000.00</b>

  
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 Managing Director



6	Providing, straightening, bending, binding and placing in position Thermo-Mechanically treated (TMT) Bars manufactured by SAIL / TISCO / RINL (SAIL TMT 415 / TISCON TMT 42 / REBARS 415) conforming to IS: 1786 for reinforced cement concrete work including distribution bars, stirrups, binders etc. including initial straightening, removal of loose rust (If necessary cutting to requisite length, hooking, bending and binding to correct shape placing in proper position and binding with 20 gauge black annealed wire at every intersection complete as per drawing and direction (Payment to be made on actual quantities of reinforcement used in the work as per drawing and direction, weight calculated as per standard tables with three places of decimal and no extra for wastage, unnecessary overlaps, spacer, chairs or rolling margin shall be paid for, weight of binding wire shall not be measured but its cost being included in the rate of reinforcement).				
(i)	Foundation	130.00	Qntl.	5,500.00	715000.00
(ii)	Plinth beam	54.00	Qntl.	5,500.00	297000.00
(iii)	Column	28.00	Qntl.	5,500.00	154000.00
	BASEMENT FLOOR	28.00	Qntl.	5,500.00	154000.00
	STILT FLOOR	28.00	Qntl.	5,500.00	154000.00
	FIRST FLOOR	28.00	Qntl.	5,500.00	154000.00
	SECOND FLOOR	28.00	Qntl.	5,500.00	154000.00
	THIRD FLOOR	28.00	Qntl.	5,500.00	154000.00
	FOURTH FLOOR	28.00	Qntl.	5,500.00	154000.00
	TERRACE FLOOR	12.00	Qntl.	5,500.00	66000.00
					<b>2002000.00</b>
(iv)	Roof Beam & Slab	75.00	Qntl.	5,500.00	412500.00
	STILT FLOOR	75.00	Qntl.	5,500.00	412500.00
	FIRST FLOOR	75.00	Qntl.	5,500.00	412500.00
	SECOND FLOOR	75.00	Qntl.	5,500.00	412500.00
	THIRD FLOOR	75.00	Qntl.	5,500.00	412500.00
	FOURTH FLOOR	75.00	Qntl.	5,500.00	412500.00
	FIFTH FLOOR	75.00	Qntl.	5,500.00	412500.00
	TERRACE FLOOR	25.00	Qntl.	5,500.00	137500.00
(v)	Staircase	22.00	Qntl.	5,500.00	121000.00
(vi)	Lift	18.00	Qntl.	5,500.00	99000.00
(vii)	Head Room	12.00	Qntl.	5,500.00	66000.00
(viii)	Water Tank	18.00	Qntl.	5,500.00	99000.00
					<b>29,97,500.00</b>


  
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For Sainath Earthmovers (P) Ltd.

  
 Managing Director

7	Providing brick masonry work of Full Brick thick including parapet corbelling/cornice (design brick masonry) work & Half Brick thick including two numbers of 6mm M.S. steel bar in every 4 <sup>th</sup> layer using K.B. Bricks having minimum crushing strength of 75 Kg/cm <sup>2</sup> with necessary scaffolding, watering and curing and cutting of brick into required shape & size etc. at all level including cost of conveyance, royalties and taxes of all materials & cost of labour, T&P required for the work etc., complete.				
	Full Brick thick in C. M. (1:6).				
(I)	BASEMENT FLOOR	49.00	Cum.	4500.00	220500
(II)	STILT FLOOR	49.00	Cum.	4500.00	220500
(III)	FIRST FLOOR	180.00	Cum.	4500.00	810000
(IV)	SECOND FLOOR	180.00	Cum.	4500.00	810000
(V)	THIRD FLOOR	180.00	Cum.	4500.00	810000
(VI)	FOURTH FLOOR	180.00	Cum.	4500.00	810000
(VII)	FIFTH FLOOR	180.00	Cum.	4500.00	810000
(VIII)	TERRACE FLOOR	130.00	Cum.	4500.00	585000
(XI)	HEAD ROOM	24.00	Cum.	4500.00	108000
					<b>4963500</b>
	Half Brick thick in C. M. (1:4).				
(I)	BASEMENT FLOOR	25.00	Sq.mt	250.00	6250
(II)	STILT FLOOR	25.00	Sq.mt	250.00	6250
(III)	FIRST FLOOR	170.00	Sq.mt	250.00	42500
(IV)	SECOND FLOOR	170.00	Sq.mt	250.00	42500
(V)	THIRD FLOOR	170.00	Sq.mt	250.00	42500
(VI)	FOURTH FLOOR	170.00	Sq.mt	250.00	42500
(VII)	FIFTH FLOOR	170.00	Sq.mt	250.00	42500
(VIII)	TERRACE FLOOR	80.00	Sq.mt	250.00	20000
(XI)	HEAD ROOM	25.00	Sq.mt	250.00	6250
					<b>245000</b>
8	Providing and laying plaster to walls, columns, bands, fins etc., with sand cement mortar including racking out joints roughening the concrete surface rounding off or chamfering & filling of the protruded surface of the bricks where necessary as per direction including working in narrow width with cost of all labour, materials, scaffolding, curing for 2 weeks etc. complete in all floors in all respects as required for the completion of the work.				

  
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 Reg. No.: CA/2010/48309

  
**Abhaya Kumar Panda**  
 Managing Director



	16mm thick cement plaster in the proportion (1:6) to all levels to INTERNAL surface of the				
(I)	BASEMENT FLOOR	60.00	SqMt.	170.00	10200.00
(II)	STILT FLOOR	60.00	SqMt.	170.00	10200.00
(III)	FIRST FLOOR	360.00	SqMt.	187.00	67320.00
(IV)	SECOND FLOOR	360.00	SqMt.	206.00	74160.00
(V)	THIRD FLOOR	360.00	SqMt.	227.00	81720.00
(VI)	FOURTH FLOOR	360.00	SqMt.	250.00	90000.00
(VII)	FIFTH FLOOR	360.00	SqMt.	250.00	90000.00
(VIII)	TERRACE FLOOR	150.00	SqMt.	300.00	45000.00
					458400.00
9	Providing and laying plaster to walls, columns, bands, fins etc., with sand cement mortar including racking out joints roughening the concrete surface rounding off or chamfering & filling of the protruded surface of the bricks where necessary as per direction including working in narrow width with cost of all labour, materials scaffolding etc. complete in all floors in all respects as required for the completion of the work.				
	25mm thick cement plaster in the proportion (1:6) to EXTERNAL surface of the walls, columns, beams shelves/ chajjas etc.	2000.00	SqMt.	270.00	540000.00
	<b>TOTAL (A)</b>				<b>26326650.00</b>
<b>SECTION-II</b>					
<b>INTERNAL FINISHING WORK</b>					
1	Laying of P.C.C (1:3:6) below vetrified flooring using C.B. H.G. Metal of 25mm down from approved quarry of approved Quality including laying, compacting placing, watering for curing etc. complete in all respect as per the direction of the Engineer-in-charge.	180.00	Cum	3,500.00	630000.00
2	Providing and lying of 25mm thick 1:3:6 cement concrete soft base over which a layer of 20mm thick minimum 1:5 cement mortar and slurry finish (IPS) flooring for electrical room as per the direction of the Architect.	125.00	SqMt.	1,250.00	156250.00
3	Providing Fixing and lying of 600X600mm Vitrified tiles with 2mm spacer by cement mortar 1:5 along with grout filling to joints as per the pattern and instruction of the Architect-in-charge. (Basic cost of Tile Rs. 65.00 per Sq.Ft.)	2500.00	SqMt.	715.00	1787500.00

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For Sainath Earthmovers (P) Ltd.  
Managing Director

4	Supplying, fixing and laying ceramic glazed tiles in all toilet dado at all heights of 200mm x 300mm size of approved make shade and design to wall surface conforming to drawings and designs set in cement mortar of proportion (1:3) to proper line and plumb including cutting to required size and shape and fixing at corners splays and chambers etc. and the joints are to be properly finished with white cement and curing complete with cost of all labour, materials, taxes, T&P, conveyance etc. as	420.00	SqMt.	450.00	189000.00
5	Providing Fixing and lying of 20mm thick granite slab for staircase trade and midlanding and other areas with edges polished fixed by cement mortar and as per the direction of the Architect-	45.00	SqMt.	180.00	8100.00
6	Providing & fixing 32mm Flush Door shutter as per detailed design & drawing with 32X6mm teak wood leaping all around the edges, one stainless steel cylindrical lock 150mm long S.S. Tower Bolt, one door stopper or one magnetic door catcher fixed by S.S. Screws. Door to be painted with good quality enamel paint over a coat of wood primer hung to sal wood chaucath by three numbers S.S. Hinges 5" long each,	179.00	Sqm.	2100.00	375900.00
7	Providing & fixing three track aluminum with 80 micron powder coated sliding window with 5.5mm clear glass fixed by high quality EPDM gasket, tapper clip, fixed to wall minimum 2.5" S.S. Screw and PVC Bullet complete, as per the direction of the engineer in charge.	192.00	SqMt.	2,500.00	4,80,000.00
8	Supplying and Fixing of stainless steel railing for Staircase of 316 Grade with 50mm top rail, 20mm intermediate support and 32 mm dia horizontal pipes fixed to floor with chemical fastener, screws, caps, polishing, buffing all complete and as per the direction of the Architect.	120.00	Rmt.	180.00	21600.00
9	Providing & Fixing main Door as approved by the Architect.	46.00	Sqm.	6500.00	299000.00
<b>TOTAL (B)</b>				<b>Rs.</b>	<b>39,47,350.00</b>

*[Signature]*  
**Er. NAGENDRA KUMAR PARIDA**  
**STRUCTURAL ENGINEER**  
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*[Signature]*  
**Mr. Suraj Kiran Patra**  
 Regd. No.: CA/2010/48309

**For Sainath Earthmovers (P) Ltd.**  
*[Signature]*  
**Managing Director**



**SECTION-III**

**EXTERNAL FINISHING WORK**

1	Weather coat of approved shade & make over one coat of cement wash on exterior surface after repairing all cracks and lumps with cement paste including the labour, Scaffolding, T&P, complete in all respect as per the direction of Engineer-in -charge.	1400.00	SqMt.	210.00	294000.00
2	Providing vitrified copping 6mm thk and 550mm to 600mm tile over the top of parapet wall,duct,staircase headroom etc with(1:6)cement mortar chemical.	53.00	SqMt.	690.00	36570.00
3	2.5 cm thk. minimum Grading concrete [1:2:4] on roof slab by using 6mm size grade black hard granite [crusher broken ] chips including hoisting & laying. materials, labour, tax, T&P, including carriage conveyance, water proofing chemical complete as per the direction of Engineer-in-charge.	450.00	SqMt.	220.00	99000.00
<b>Road ways, Path ways and Pavements</b>					
1	Providing Fixing and lying of 75mm thick Interlocking cement tiles for pavings laid on mechanically well compacted sand sub-base joints filled with fine sand again compacted for levelled surface and as per the direction of the Architect-in-charge. (Interlocking tile flooring for all Pathway of Red Colours)	1500.00	SqMt.	650.00	975000.00
2	Providing Fixing and lying of 16"X16", 20mm thick hydraulic pressed red and yellow cement tile (ultratech or eurocon) flooring fixed by 1:5 cement mortar and as per the direction of Architect.	1200.00	SqMt.	480.00	576000.00
<b>TOTAL (C)</b>				<b>Rs.</b>	<b>19,80,570.00</b>
<b>TOTAL (A+B+C)=D</b>				<b>Rs.</b>	<b>3,22,54,570.00</b>
<b>Borewell with Pump Set</b>					
1	Installation of 200 mm x 150 mm dia tubewell by water jet boring system with submersible pumping set 2HP capacity and other accessories such as electrical panel ,bracket,valves elbow etc	1.00	Nos.	125000.00	125000.00

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**For Sainath Earthmovers (P) Ltd.**

*Abhinav Kumar Singh*  
**Managing Director**

	<b>Septic Tank</b>			
2	Constructing septic tank of following sizes with 250 mm thick brick work in cement mortar (1:6) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (6:3:1) with stone aggregate with jhama brick flat soling, 15 mm thick (4:1) cement plaster to inside walls and 15 mm thick (4:1) cement plaster to bottom of the pit, providing necessary invert with cement concrete (4:2:1) with stone aggregate as per direction, neat cement finishing in entire internal surface, the top of the pit covered with R.C.C slab (4:2:1) with stone chips and necessary reinforcements and shuttering including 6 mm thick (4:1) cement plaster in all external and internal surface of the slab and manhole cover and frame fitted and fixed in the slab with necessary fittings, necessary earth work in excavation in all sorts of soils, filling the sides with earth and removing the all excess earth and spoil from site after work complete in all respects.	1.00	Nos.	2500000.00
				2500000
	<b>UNDERGROUND WATER Tank</b>			
3	Constructing UNDERGROUND WATER tank of following sizes with 250 mm thick brick work in cement mortar (1:6) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (6:3:1) with stone aggregate with jhama brick flat soling, 15 mm thick (4:1) cement plaster to inside walls and 15 mm thick (4:1) cement plaster to bottom of the pit, providing necessary invert with cement concrete (4:2:1) with stone aggregate as per direction, neat cement finishing in entire internal surface, the top of the pit covered with R.C.C slab (4:2:1) with stone chips and necessary reinforcements and shuttering including 6 mm thick (4:1) cement plaster in all external and internal surface of the slab and manhole cover and frame fitted and fixed in the slab with necessary fittings, necessary earth work in excavation in all sorts of soils, filling the sides with earth and removing the all excess earth and spoil from site after work complete in all respects.	1.00	Nos.	2500000.00
				2500000
	<b>TOTAL ( E )</b>			<b>Rs. 51,25,000.00</b>

  
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For Sainath Earthmovers (P) Ltd.

  
 Managing Director



GRAND TOTAL = D+E			Rs.	3,73,79,570.00
A) INCLUDING 7.5% PH WORK				17,05,426.50
B) ADD 8% ELECTRIFICATION CABLE NETWORK AND TRANSFORMOR				18,19,121.60
			Rs.	4,09,04,118.10
GRAND TOTAL				
		Say	Rs.	4,09,04,000/-
IN WORD (RUPEES FOUR CRORE NINE LAKH FOUR THOUSAND ONLY )				



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