

GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY						
ESTIMATE OF LIG BUILDING						
Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
01	Earth work in excavation in foundation trenches of drains , in all shorts of soil(including mixed soil but excluding laterite or sandstone) including, spreading or stacking the spoils within a lead of 75m. As leveling. Dressing and ramming the bottom, bailing out water as required. a) Depth of excavation not exceeding 1500mm	237.36	m ³	120.47	m ³	28594.7592
02	Earth work & filling in foundation trenches or plinth with good earth. In layears not exceeding 150mm. Including watering and ramming etc. layears by layear complete. (Payment to be made on basis of masurement of finised quentity of work) a) With earth obtained from excavation of foundation	47.47	m ³	78.31	m ³	3717.3757
03	Filling in foundation or plinth by silver in layears not exceding 150mm as direct and consoildating same by through saturation with water ramming complete including the cost of supply of sand.	57.00	m ³	568.72	m ³	32417.04
04	Single brick Flat Soiling of picked jhama bricks including ramming and dresing bed to proper level and filling joints with local sand	319.43	m ³	365.00	m ³	116591.95
05	Ordinary cement concrete (mix 1:2:4) with graded stone chips(20 mm nimal size) excluding suttring and reinforcement, if any, in ground floor as per relevent IS codes. A) With local hard hard black stone variety chips(crusher broken)	29.14	m ³	5131.00	m ³	149517.34

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
06	Ordinary cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) including shuttring and reinforcement, if any, in ground floor as per relevent IS code. A) Pakur variety	237.39	m ³	6754.60	m ³	1603474.494
07	Hire and labour charge for chuttring with centering and necessary staging upto 4mtr. Using approved stout props and thick hard wood planks of approved thickness with required bracking for concrete slab, beams, columns, lintels curvrd or straight including fitting, fixing and striking out after completion of work. (upto roof of ground floor) when the height of particular floor is more than 4m the equivalent floor height shall be taken as 4m and extra for work beyond the initial 4m. height shall be allowed under 12 for every 4m. or part thero.) steel shuttring or 9 to 12 mm thick approved quality ply board shuttring in any concrete work	839.00	m ³	392.00	m ³	328888.00

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
08	Reinforcement for reinforced concrete work in all sorts of structures includings distributions bars, stirrups, binders etc. initial starightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shaps, placing in proper position and binding with 16gauge black annealed wire at every intersection, complete as per drawing and direction. a) For works in foundation, basement and upto roof of ground floor/upto 4m. i) Tor steel/ Mild steel	62.8	m ³	68359.00	m ³	4292945.20
09	Brick work 1st classbricks in cement mortar(1:6) a) In foundation and plinth	13.39	m ³	5562.00	m ³	74475.18
10	125mm thick brick work with 1st class bricks in cement mortar in ground floor	390.56	m ³	765.00	m ³	298778.4
11	Plaster(to wall, floor, celling etc.) with end and cement mortar including rounding off or chamfering concerns as directd and ranking out joints including throating, nosing and drip course, scaffolding/stagging where necessary (ground floor) i) With 1:6 cement mortar a) 20mm thick plaster	0.00	m ³	170.00	m ³	0
	ii) with 1:4 cement mortar b) 15mm thick plaster	384	m ³	168	m ³	64512
	iii) with 1:3 cement mortar c) 10mm thick plaster	2512.40	m ³	143.00	m ³	359273.2
12	Neat cement punning about 1.5mm thick in wall dado, window, sills, floor,drain etc.	35.23	m ³	38.00	m ³	1338.74

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
13	(a)M.S. or W.I. Ornamental grill of approved design joints continuously welded with M.S. W.I. Flats and bars of windows, railing etc. Fitted and fixed with necessary screws and lugs in ground floor.(Add extra @1% for each add floor upto 4th floor and 1.25% for each add floor above 4th floor) ii) Grill weighing above 16kg/sq.mtr.	1837.00	kg	8857.00	kg	16270309
14	Collapsible gate with 40mm X40mm X 6mm Tee as top and bottom guide rail, 20mm X 10mm vartical channels 10mm apart in fully properly rivetted and washeard including 38mm steel rollers including concrete and including cutting necessary holes, chasing etc. in walls, floor etc. and making good damages complete in ground floor.	6.55	m ²	4016.00	m ²	26304.8
15	Wood work in door and window frame fitted and fixed in position complete including a protective cost of painting at the contact surface of the frame exclusive cost of concrete, Iron but hinges and M.S. clamps. A) 1st class Best Indian teak	2.49	m ³	151131.00	m ³	376316.19
16	Panal shutters of door and window, as per design (each panal consisting of single plank without joint) , including fitting and fixing the same in position but exclusive th ecost of hinge and other fittings. In ground floor i) 50mm thick shutters with 25mm thick panal of size 30 to 45 cm. b) Ordinateak wood	81.08	m ²	6173	m ²	500506.84

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
17	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screw etc. by cement concrete (1:2:4) as per direction, (cost of concrete will be paid separately) a) 40mm X 6mm, 200mm length	144	nos	6179.00	/piece	889776
	b) 40mm X 6mm, 125mm length	144.00	nos	22.2	/piece	3196.8
18	Supplying, fitting and fixing hinge cleat in position excluding the cost of hinges and other fittings. A) With 50mm Iron butt Hinge i) Local sal	36.00	nos	31.00	/piece	1116
	b) with 75mm Iron butt Hinge i) Local sal	72.00	nos	38.00	/piece	2736
19	Iron butt hinges of approved quality fitted and fixed with steel screw, with ISI mark i) 75mm X 40mm X 1.12mm	108	nos	31	/piece	3348
	ii) 100mm X 50mm X 1.25mm	144	nos	48	/piece	6912
20	Anodised aluminium barrel/tower/socket bolt (full covered) of approved quality manufactured from extruded section conforming to I.S. i) 75mm long X 10mm dia bolt.	36	nos	55	/piece	1980
	ii) 100mm long X 10mm dia bolt	72	nos	61	/piece	4392
21	Anodised aluminium Aldrop/sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete. i) 250mm x 16mm dia bolt	72	nos	270	/piece	19440
22	Anodised aluminium D type handle of approved quality fitted and fixed complete. a) With continuous plate base iv) 125mm grip x 10mm dia rod	112	nos	108	/piece	12096

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
23	Cement washing including cleaning and smoothening surface thoroughly (cement to be used @ 15kg/100sq.m. of surface for one coat and @ 25kg/100sq.m of surface for two coats) External surface(Ground Floor) a) Two coats (on new works only)	769.72	M ²	14.87	/M ²	11445.7364
24	Rendering the surface of wall and ceiling with white cement based wall putty of approved make and brand(1.5 mmthk.)	1385	M ²	122	M ²	168970
25	Applying Interior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly,complete as per manufacturer's specification and as per direction of the EIC. B) Two Coats ii) solvent based interior grade Acrylic Primer in ground floor	1385	M ²	53.03	/M ²	73446.55
26	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer): (Two coats)	2770	M ²	76	/M ²	210520

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
	ii) Luxury Quality Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. B)Two coats In ground floor	385	M ²	48.99	/M ²	18861.15
27	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC to be applied over acrylic perimeter as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. (Two Coat) In Ground Floor	385	M ²	108	/M ²	41580
28	a) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothing surface by sand papering etc.	124	M ²	41	/M ²	5084
28	b) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surface by sand preparing etc.	34.43	M ²	31	/M ²	1067.33

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
29	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand preparing etc. including using of approved putty etc. on the surface, if necessary (a) On timber or plastered surface: With super gloss(hi - gloss) ii) Two coats (white in shade)	0	M ²	86	M ²	0
30	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion(1:2) including smooth finishing and roundind off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m. all complete including all materials and labour. In ground floor 3mm thick topping (High polishing grindind on this item is not premitted with ordinary cement). Using grey cement iii) 35mm thick	381.68	M ²	363	M ²	138549.84

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
31	Supply, fitting and fixing Marble Slab/tile of 15 to 18 mm thickness in floor, lobby, stair, landing & joined with white cement slurry@ 2kg/sq.m with necessary pigments including grinding and Granite polishing as per direction of Engineering-in Charge in Ground Floor. (White cement and Pigment to be supply by the Agency) (b) With Chawk Dungri. ii) Area of each tile exceding 0.3sq.m but not exceeding 0.6sq.m.	311.2	M ²	2127	/M ²	661922.4
32	Supplying, fitting & fixing 1st quality Ceramic tiles in wall and floors to match with the existing work & 4 nos. of key stones (10 mm) fixed with araldite at the back of each tile ?& finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Morter (1:3) 15mm thoick & 2mm thick cemernt slurry at back side of tiles using cement @ 2.91kg/sq.m & joint filling using white cement slurry @ 0.2kg/sq.m 9a) Areas of each tile upto 0.09sq.m (i) Coloured decorative	1006	M ²	841	M ²	846046

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
	(A) FLOOR With Sand Cement Mortar (1:4) 20mm thick cement slurry at back side of tiles using cement @ 2.91kg/sq.m & joint filling using white cement slurry @ 0.2kg/sq.m (i) Coloured decorative	29	M ²	830	M ²	24070
33	Supplying fitting and fixing in position approved P.V.C. door frame(matt finish) made of extruded P.V.C. multichamber hollow section having dimension 60mmx50mmx2mm(0.2mm), horizontal section will be joined with vertical section by galvanised steel screws after inserting two number steel brackets as reinforced making suitable space for placing hinges, One steel tube 40mmx20mmx1.2mm will be inserted on one full vertical side of the frame(hinge side)_ as reinforcement,	22.68	M	282	/M2	6395.76
	the frame will then be fixed in the opening with the help of P.V.C expands fastner wooden gutties and galvanised steel screws including cost of all materials and labour, hire charges of tools and appliances, carriage of all materials, taxes and all other incidental charges complete.					

Item No.	Description of item	Quantity	Unit	Rate Rs. P.	Unit of Rate	Amount Rs. P.
34	PVC Door Shutter - 30mm thick: Supply, fitting & fixing PVC door shutter of approved quality & shade in position, the style & rail of PVC door shutter will be made of rigid PVC multicavity hollow chamber of 59mmx30mm section with 2mm(±0.2mm) wall thickness will be placed in middle, reinforced by solid polymer bar of 200mm long at both ends and screws from both sides as lock rail. The section frame will then be fitted in by PVC panels of size 100mmx25mm with wall thickness 1.2mm (±0.2mm) and 2nos. of 6mm dia bright rod will be inserted horizontally with both side check and nut system and stretches where fixing of hinges/ hasp bolt/ tower bolt/ door ring are required to be strong enough to with stand wear and tear. The rate is inclusive of cost of all materials taxes	0	M ²	2149	/M ²	0
	and all other incidental charges complete, The rate is exclusive of cost of hinges, hasp bolt, tower bolt, door ring etc.					
35	Supply fitting, fixing cast iron down pipes conforming to IS:3989-1970 AND IS:1729-1964 in position with necessary clamps, nails including joining with joining materials complete.(Payment will be made on centre line measurement of the total pipe line including specials. Payment for specials will however be paid separately (ii) 100mm dia. (Internal)	80	m	669	/m	53520
	TOTAL					27734432.08

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