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**PLAN AND ESTIMATE
FOR
THE CONSTRUCTION OF OFFICE
BUILDING OF
BEEJ GRAM
IN
JHARKHAND.**

Abstract of Cost for Construction of Beej Gram in Jharkhand.

S.No.	Description of Work	Qty.	Unit	Rate	Amt.
1	Site Clearance and layout with all complete as per specification and direction of E/I.				500.00
2	Earthwork in excavation in foundation trenches in ordinary soil (vide classification of soil item-A) and disposal of excavated earth as obtained to a distance upto 50M including all lifts, levelling, ramming the foundation trenches, removing roots of trees, shrubs, all complete as per approved design, building specification and direction of E/I.(S.O.R-5.1.1)	45.02	M ³	58.91	2652.13
3	Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150mm thick with all leads and lifts including cost of all materials, labour, royalty and taxes all complete as per building specification and direction of E/I. (Mode of measurement compacted volume).(S.O.R-5.1.10)	52.50	M ³	145.78	7653.45
4	Providing designation 75A one brick flat soiling joints filled with local sand including cost of watering taxes royalty all complete as per building specification and direction of E/I.(S.O.R-5.6.1)	151.62	M ²	133.41	20227.62
5	Providing PCC M-75 with nominal mix of (1.4:8) in foundation with approved quality of stone metal grade- III (50mm to 25mm size) clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.3.4)	15.10	M ³	2491.69	37624.52
6	Providing designation 75-B brick work in C.M. (1:6) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10mm thick mortar joints, cost of screening materials, raking out joints to 15mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.2.6)	31.25	M ³	2250.89	70340.31
7	Providing 25mm thick damp proof course with cement concrete M-150 with nominal mix of (1:2:4) with approved quality of stone chips of 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, and mixing cement concret in mixer and placing in position vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.3.16)	16.63	M ²	117.46	1953.36
8	Providing designation 75-B Brick work in C.M. (1:6) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10mm thick mortar joints, cost of screening materials, scaffolding, raking out joints to 15mm depth, curing, taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.2.14)	48.12	M ³	2308.69	111094.16

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9	Providing RCC M200 with nominal mix of (1: 1.5:3) in Band at lintels level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position vibrating, striking, curing (excluding cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I (S.O.R-5.3.7.1)	1.99	M ³	4265.11	8487.57
10	Providing RCC M-150 with nominal mix of (1:2:4) in lintel with approved quality of stone chips (20mm to 6mm size), graded and clean coarse sand of F.M. 2.5 to 3 including screening, centering, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement), taxes and royalty all complete as per building specification and direction of E/I (S.O.R-5.3.8)	0.64	M ³	4893.31	3131.72
11	Providing RCC M-150 with nominal mix of (1:2:4) in beam of all types with approved quality of stone chips (20mm to 6mm size), graded and clean coarse sand of F.M. 2.5 to 3 including screening, centering, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement), taxes and royalty all complete as per building specification and direction of E/I (S.O.R-5.3.10)	1.35	M ³	5448.68	7355.72
12	Providing av. 63mm thick RCC M-150 with nominal mix of (1:2:4) Chhajja with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of FM 2.5 to 3 including making drip coarse in concrete, screening, centering, shuttering and mixing cement concrete in mixer and placing in position, vibrating striking, 6mm cement plaster (1:4) in ceiling and sides of Chhajja with sand of F.M. 1.5 curing (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I (S.O.R-5.3.15)	3.98	M ²	616.67	2454.35
13	Providing RCC M-150 with nominal mix of (1:2:4) in stiffners with approved quality of stone chips (20mm to 6mm size), graded and clean coarse sand of F.M. 2.5 to 3 including screening, centering, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement), taxes and royalty all complete as per building specification and direction of E/I (S.O.R-5.3.12)	1.21	M ³	4706.46	5694.82
14	Providing RCC M-150 with nominal mix of (1:2:4) in roof slab with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 (but excluding the cost of reinforcement) including screening shuttering mixing cement concrete in mixer and placing in position vibrating striking, curing (excluding cost of reinforcement), taxes and royalty all complete as per building specification and direction E/I (S.O.R-5.3.9)	14.70	M ³	5004.65	73568.36
15	Filling in foundation trenches and plinth in layers not exceeding 150mm thick well watered, rammed, fully compacted and fine dressed with earth obtained after cutting within a lead of 50M and lift of 1.5M all complete as per building specification and direction of E/I. (Mode of measurement compacted volume) (S.O.R-5.1.8)	55.20	M ³	50.18	2769.94

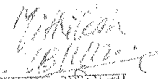
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16	Providing 19mm thick water proof cement plaster (1:3) with clean coarse sand of F.M. 1.5 with 5% cico or any other approved water proofing compound including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.7.15)	127.87	M ³	145.94	18661.35
17	Providing 12mm thick cement plaster (1:6) with clean coarse sand of F.M 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.7.3)	485.57	M ²	74.51	36179.82
18	Providing 6mm thick cement plaster (1:4) in ceiling with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.7.6)	106.09	M ²	76.63	8129.68
19	Providing two coats of snowcem of approved shade and make over a coat of cement primer on new surface including preparing the plastered surface smooth with sand paper, scaffolding, curing and taxes all complete as per building specification and direction of E/I.(S.O.R-5.8.24)	589.21	M ²	46.67	27498.43
20	Supplying, fitting and fixing rolling shutter of approved make, made of required size M.S. laths inter locked together through their entire length and jointed together at the ent by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing 27.5 cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters 80x1.25 mm M.S. laths wiht 1.25 mm thick top cover all complete as per building specification and direction of E/I.	5.76	M ²	2379.77	13707.48
21	Supplying, fitting and fixing top cover of rolling shutter of approved make, made of required size M.S. laths inter locked together through their entire length and jointed together at the ent by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing 27.5 cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters 80x1.25 mm M.S. laths wiht 1.25 mm thick top cover all complete as per building specification and direction of E/I.	2.40	M ²	511	1226.40
22	Providing and fixing fan hooks of 16mm dia. Bar 1M long bent to required size and shape, placed in position and fixed in R.C.C. slab/beam at the time of casting all complete as per building specification and drection of E/I.(DSR)	3.00	Nos.	97.18	291.54
23	Providing 35mm thick precast R.C.C. M-150 with nominal mix of (1:2:4) shelves with approved quality of stone chips of 12mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 with 1.5mm cement punning at top and side and 6mm cement plaster (1:4) at bottom including screening, curing and placing the slab in position (but excluding the cost of reinforcement) taxes and royalty all complete as per building specification and direction of E/I.(S.O.R-5.3.17)	2.16	M ²	287.47	620.94


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24	Supplying, fitting and fixing 20 guage G.C.I. sheet gate fitted on m.S. angle frame of size 60x60x6mm including cost of fabrication, providing necessary locking arrangement with haskal and domny dully fixed in P.C.C. (1:2:4) blocks of required size, applying a priming red lead paint over steel work, taxes all complete as per building specification and direction of E/I.(S.O.R-5.5.29)	6.48	M ²	2379.32	15417.99
25	Supplying, fitting & fixing M.S. GRILL made of 20 x 6 mm flat as per approved design and drawing properly fabricated with joints continuous fitted, welded and finished smooth, hoisting as per building specification and direction of E/I.(S.O.R-5.5.12)	54.00	K.G	57.60	3110.40
26	Providing two coats of synthetic enamel paint of approved shade and made over steel surface including cleaning the surface thoroughly, including cost of scaffolding and taxes all complete as per building specification and direction of E/I.(S.O.R-5.8.45)	40.87	M ²	59.68	2439.12
27	Supplying, fitting and fixing collapsible gate of approved size and make properly fabricated with vertical double channels 20x10x2mm at 100mm centres and braced with M.S. flat diagonals 20x3mm with top and bottom rails of T iron 40x40x6mm with 38mm dia steel pulleys complete with bolts, nuts locking arrangements, stoppers, handles, including applying a priming coat of red lead paint, carriage, hoisting and taxes all complete as per building specification and direction of E/I.(S.O.R-5.5.14)	8.72	M ²	2606.57	22729.29
28	Providing and laying 6 mm precast GLAZED CERAMIC TILES of approved quality in floor over 12mm cement mortar (1:3) and jointed with white cement slurry flush pointed with white cement including rubbing, polishing and cost of curing taxes, and royalty all complete as per building specification and direction of E/I.(DSR)	99.27	M ²	322.21	31985.79
29	Providing Tor steel reinforcement of 8mm dia Rods as per approved design and drawing including carriage of Rods (straight or in coils) to work site, cutting, bending and binding with annealed wire with cost of wire, removal of rust, placing the rods in position complete as per building specification and direction of E/I.(S.O.R-5.5.4)				
	a) 8mm dia	0.643	M.T	59281.90	38118.26
	b) 10mm dia	0.571	M.T	58126.90	33190.46
	c) 12mm to 16mm dia	0.219	M.T	56971.90	12476.85
	Add Carriage of Materials - 7.5%			Rs.	621291.80
	Add Electrification work - 7.5%			Rs.	46596.88
	Add Sanitary and Septic Tank work - 12%			Rs.	46596.88
	Add Cost of Painting writing & Sign Board & Photograph			Rs.	74555.02
				Rs.	2500.00
				Rs.	791540.58
				Say Rs.	7,91,500.00

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