

**Bill of Quantity**

Name of Work :	Construction Of Office Building Of Drainage Sub Division, Mahudha					
Item No.	Item of work	Unit	Qty	Rate	In Words	Amount (Rs.)
1	Excavation for foundation in all sorts of soil including yellow sandy gravelly soils ,soft & hard murrum etc. in dry condition including depositing the excavated stuff in uniform layers in banks or as and where directed etc. complete for lead upto 500 m and all lift. (BY MACHINERY) (Excluding Dewatering)	Cum	270.00	102.40	Rs. One Hundred Two & Forty Paise Only	27648.00
2	Providing & Placing in position reinforcement bars including cutting, bending, welding joints where necessary, hooking etc. complete as per drawing for all lead and lifts. (b) TMT (Fe 500 D)	Qtl	85.70	7194.00	Rs. Seven Thousand One Hundred Ninety Four Only	616525.80
3	Providing & Laying in position "NOMINAL MIX" cement concrete using cement, sand and crushed aggregate by mass and machine mix for C.C./R.C.C work incl. necessary formworks centering, scaffolding, compaction by vibrator, curing as directed with all lead & lift etc complete Without Dewatering and excluding cost of steel reinforcement.(A) For Foundation concrete / General purpose.					
	(c) C. C. Nominal Mix, M-15 and MSA-20 mm	Cum	169.00	3935.00	Rs. Three Thousand Nine Hundred Thirty Five Only	665015.00
	(f) C. C. Nominal Mix, M-20 and MSA-20 mm	Cum	95.00	4296.00	Rs. Four Thousand Two Hundred Ninety Six Only	408120.00
4	Providing and laying burnt brick masonry for super structure with ordinary portland cement mortar 1:5 proportion including providing scaffolding racking out joints curing etc. complete for all leads and lifts.	Cum	67.00	5371.10	Rs. Five Thousand Three Hundred Seventy One & Ten Paise Only	359863.70
5	Providing and laying burnt brick masonry in foundation ordinary portland cement mortar 1:5 proportion including, curing etc. complete for all leads and lifts. (Conventional Bricks)	Cum	56.000	5040.10	Rs. Five Thousand Forty & Ten Paise Only	282245.60
6	Sand Filling in foundation and plinth with murrum or selected soil in layers of 20 cm thickness including watering, ramming and consolidation etc. Complete	Cum	996.00	282.02	Rs. Two Hundred Eighty Two & Two Paise Only	280891.92
7	Providing cement plaster in thickness and proportion as under including, smooth finishing, curing, scaffolding etc. complete for all leads and lifts. Cement mortar 1:3 proportion.( b ) 12 mm thick.	Sqmt	725.00	193.20	Rs. One Hundred Ninety Three & Twenty Paise Only	140070.00
8	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete	Sqmt	214.00	335.65	Rs. Three Hundred Thirty Five & Sixty Five Paise Only	71829.10
9	Providing and Fixing Urinal of Approved Quality including connection with trap and with integral longitudinal flush pipe (A) Squating plate pattern white earthenware 550mmx300mm	Each	3.00	1541.44	Rs. One Thousand Five Hundred Forty One & Forty Four Paise Only	4624.32
10	Providing and fixing wash down water closet European type W.C. pan with integral "P" or "S" trap including jointing the trap with soil pipe in cement mortar 1 : 1 (1 cement : 1 find sand) (seat and cover to be measured and paid for separately) (A) Vitreous china pattern - I (i) in white colour .	Each	3.00	1303.71	Rs. One Thousand Three Hundred Three & Seventy One Paise Only	3911.13
11	Providing and fixing plastic seat and cover for wash down water closet with C.P. brass hinges and rubber buffers.(B) Black plastic seat and cover pattern - I (i) in white colour.	Each	3.00	291.33	Rs. Two Hundred Ninety One & Thirty Three Paise Only	873.99
12	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	Each	3.0	558.36	Rs. Five Hundred Fifty Eight & Thirty Six Paise Only	1675.08
13	Providing and fixing 12.5 litres low level flushing cistern with a pair of C.I. or mild brackets,complete with fittings such as lead valve less syphon, 15 mm nominal size brass ball valve with polythene float C.P. brass handle unions and couplings for connection with inlet, outlet and overflow pipes. 40 mm dia porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistren and closet (overflow pipe to be measured and paid for separately) (A) Vitreours China (i) IN white colour.	Each	3.000	2344.42	Rs. Two Thousand Three Hundred Forty Four & Forty Two Paise Only	7033.26

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14	P & L 24" x 24" vitrified 8mm thick tile flooring over 20mm (average) base of cement mortar 1:6 (1 cement:6coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finished with flush pointing & cleaning the surface etc complete for antikitt (upto 10 ton)	Sqmt	180.000	1397.83	Rs. One Thousand Three Hundred Ninety Seven & Eighty Three Paise Only	251609.40
15	Providing and fixing Machine cut with rounded moulding mirror polished (1 side polished) selected color and shade granite stone frame for Door/Window Sills & Jambs having thickness of 16 to 18 mm granite slab on 10 mm thick cement plaster 1:3 and jointed with white/matching pigment cement slurry mixed pigment to match shed of stone with half round mould edge including polishing, making holes for hinges and other fittings etc. complete for all floor level as directed by Engineering in Charge	Sqmt	35.000	2648.00	Rs. Two Thousand Six Hundred Forty Eight Only	92680.00
16	Providing and laying white glazed tiles 6mm thick in skirting risers of steps and dado on 10 mm thick cement plaster 1 : 3 (1 cement : 3 coarse sand) and pointing in white cement jointed with white cement slurry.	Sqmt	79.000	938.54	Rs. Nine Hundred Thirty Eight & Fifty Four Paise Only	74144.66
17	Providing and fixing Wash Basin single hole for pillar tap with C.I or M.S. brackete painted white including sutting holes and making good the same but excluding fittings. (A) Vitreous chaina : (ii ) Flat back wash basin 550mm x 400mm size (i)in white colour.	Each	3.000	1453.95	Rs. One Thousand Four Hundred Fifty Three & Ninety Five Paise Only	4361.85
18	Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.	Each	3.000	67.91	Rs. Sixty Seven & Ninety One Paise Only	203.73
19	Providing and fixing M.I. fisher union for wash basin or sink 32mm dia.	Each	3.000	78.74	Rs. Seventy Eight & Seventy Four Paise Only	236.22
20	Providing and fixing Pillar tap capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	Each	3.000	308.72	Rs. Three Hundred Eight & Seventy Two Paise Only	926.16
21	Providing and fixing C.P. brass towel rail comlete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws.(B) 600mm x 20mm size.	Each	3.000	603.19	Rs. Six Hundred Three & Ninteen Paise Only	1809.57
22	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.	Each	3.000	833.73	Rs. Eight Hundred Thirty Three & Seventy Three Paise Only	2501.19
23	Providing and fixing screw down bib taps of follwing size(A) Brass screw down bib tap polished bright.20 mm dia.	Each	6.000	214.80	Rs. Two Hundred Fourteen & Eighty Paise Only	1288.80
24	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	RMT	40.000	91.83	Rs. Ninety One & Eighty Three Paise Only	3673.20
25	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	RMT	40.000	72.64	Rs. Seventy Two & Sixty Four Paise Only	2905.60
26	Providing, laying and jointing in true line and level 110 diametre U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	RMT	70.500	835.14	Rs. Eight Hundred Thirty Five & Fourteen Paise Only	58877.37
27	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg. ) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line (upto 10 ton).	Each	3.000	2932.92	Rs. Two Thousand Nine Hundred Thirty Two & Ninety Two Paise Only	8798.76

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28	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed.	Sqmt	217.000	747.28	Rs. Seven Hundred Forty Seven & Twenty Eight Paise Only	162159.76
29	Providing erecting and fixing double coated Syntex or equivalent PVC. (ISI) mark water tank of reqd capacity each with allnecessary fittings & connection etc. comp on terrace.	Litre	2000.000	3.95	Rs. Three & Ninety Five Paise Only	7900.00
30	Providng and fixing 35mm thick shutters for doors, window and clearestorey window including Indian teak wood frames 12cm x 7cm size including anodized aluminium fixtures and fastening including primer coat of approved quality and two coats of oil painting etc. complete.	Sqmt	31.000	5533.67	Rs. Five Thousand Five Hundred Thirty Three & Sixty Seven Paise Only	171543.77
31	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt/ with 5 mm th transparent bronze colour tinted float glass with powder coated aluminum fittings & fixtures and transparent silicon sealant glass fixing to frame as per details etc	Sqmt	22.980	1583.95	Rs. One Thousand Five Hundred Eighty Three & Ninety Five Paise Only	36399.17
32	Providing and Fixing Glazed Louvered Glass windows and ventilators with teak wood frame 10cm x 7cm size including 3 coats of oil painting to wood work etc complete with wooden louvers plank 12mm thick (upto 10 Ton)	Sqmt	1.920	4375.79	Rs. Four Thousand Three Hundred Seventy Five & Seventy Nine Paise Only	8401.51
33	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth	Sqmt	725.000	40.59	Rs. Forty & Fifty Nine Paise Only	29427.75
34	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an given an even shade including throughly brushing the surface free from mortar dropings and other foreign matter and sand pappered smooth.	Sqmt	725.000	78.90	Rs. Seventy Eight & Ninety Paise Only	57202.50
35	Finishing wall with water proofing cement paint of on wall surfaces (Two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powered materials.	Sqmt	214.000	57.26	Rs. Fifty Seven & Twenty Six Paise Only	12253.64
36	Providing and Fixing 110 mm diameter PVC Pipe (6 Kg/sqcm) water spout with necessary iron grating as per design	Meter	23.000	369.20	Rs. Three Hundred Sixty Nine & Twenty Paise Only	8491.60
37	Providing and fixing pre-cast Rubber Dye/Steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pnumatic compressed/vibrated mechanically and as per approved desing confirming to IS 15658:2006 including 35 mm sand layer of levelling and filling the joint with sand in proper line and level as per guidlines of IRC: SP 63-2018 etc. Complete.	Sqmt	784.000	686.90	Rs. Six Hundred Eighty Six & Ninety Paise Only	538529.60
38	Providing, Fitting and Fixing up partition walling OEL aluminum anodized section No. 9210 and 9207 as single groove and double groove respectively as horizontal and vertical member and OEL section 4660 as Tapered clip for fixing up 12mm thick pre laminated board and jointing angle No. 1855 etc	Sqmt	40.000	2152.00	Rs. Two Thousand One Hundred Fifty Two Only	86080.00
39	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame alround, square or round bars with round headed bolts and nuts or by screws (A) Plain Grill. (upto 10 ton)	KG	660.000	101.17	Rs. One Hundred One & Seventeen Paise Only	66772.20
40	(B) Providing sock pit of 5.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed. (upto 10 ton)	Each	2.000	3360.69	Rs. Three Thousand Three Hundred Sixty & Sixty Nine Paise Only	6721.38

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41	( Pro. And fixing single layer water proof gypsum board 12.5 mm thick sections using water proof board of size 1220 mm x 1830 mm x 8.0 mm suspended by GI suspender channel of size 25 mm x 3 mm with intermediate channel og size 18 mm x 40 mm x 0.8 mm at 1220 mm center to center ceiling section of size 40 mm x 35 mm x 0.55 mm at 457 mm c/c and perimeter channel A of size 20 mm x 27 mm x 30 mm x 0.5 mm at edges & drops incl.paper tap sand sofit cleat, anchor fastener, scoch bolt connecting cleat,joining compound top coat on ceiling incl.making necy.opening for light fitting,diffuser etc. comp. as per detail drawing as directe	Sqmt	139.520	606.94	Rs. Six Hundred Six & Ninety Four Paise Only	84680.26
42	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls and making good the same but excluding fittings. (C) Vitreous China Sink.(i) 600mm x 450mm x 150mm size	Each	1.000	2280.26	Rs. Two Thousand Two Hundred Eighty & Twenty Six Paise Only	2280.26
43	Applying general insecticide pest control treatment to floors, cupboards etc including labour materials etc. complete. Using Imidacloprid 30.5 SCas Per IS 6313 part-II( (0.075% concentration by mass) is recommended 10.5ml chemical diluted with 5 liters of water application 0.5 litre chemical /Sqm of surface is recommended as per I.S	Sqmt	192.270	89.28	Rs. Eighty Nine & Twenty Eight Paise Only	17165.86
44	Dismantling the R.C.C. work and disposing off the stuff including stacking of the useful materials etc. complete as directed.a)Light Reinforcement ( Main bar upto 16 mm. dia. )	Cum	13.500	1732.80	Rs. One Thousand Seven Hundred Thirty Two & Eighty Paise Only	23392.80
45	Dismantling the existing brick masonry including sorting out and stacking the useful material and removing the debries and making good the damages etc. complete as directed. In Cement Mortar	Cum	34.200	750.90	Rs. Seven Hundred Fifty & Ninety Paise Only	25680.78
46	Point wiring for Light / Fan/ Bell/ Primary Point with 2-1.5 sq. mm & earthwire of 1.5 sq. mm (green) both are of ISI marked 1.1 kv grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in /flushed on wall/ceiling , complete with 6A Tissino Type ISI marked flush type switch / bell push and accessories erected on Metal / PVC Box covered with 3 mm thick PC(Polycarbonet) /Acrylic sheet. with necessary Lamp holder/ceiling rose / H.D.Connector as directed.(b) with 16 swg(1.6 mm thick) HGS metal conduit pipe and accessories painted black erected flushed on wall/ceiling complete	Point	72.000	513.00	Rs. Five Hundred Thirteen Only	36936.00
47	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.					
	A '(5) Electronic hum Free four or more steps EME Fan regulator.CAT-III	Each	11.000	444.00	Rs. Four Hundred Forty Four Only	4884.00
	B '(14) 6A/ 10A/ 16A/ 20A/ 25A/ 32A Double Pole Modular MCB Switch.CAT-III	Each	5.000	455.00	Rs. Four Hundred Fifty Five Only	2275.00
48	Supplying & erecting approved make low noise decorative exhaust fan having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	Each	4.000	1990.00	Rs. One Thousand Nine Hundred Ninety Only	7960.00
49	Supplying and erecting approved make of tube fitting with One no T-5 tube 24/ 28 W with Electronic ballast with each tube separately THD less than 10 & built in adaptors, GI / PVC housing & mirror optic reflector, suitable to work on 120V - 300V, A.C. supply with connector and adapter if required. [Make of fitting & tube may be differ& fitting shall be providing with tube] Cat III	Each	26.000	560.00	Rs. Five Hundred Sixty Only	14560.00
50	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy and 30 cms. down rod erected on existing hook or clamp with 24/0.2 , 3 core flexible wire with earthing. [Make shall be approved by Engineer in charge]	Each	11.000	1865.00	Rs. One Thousand Eight Hundred Sixty Five Only	20515.00
				Total		48,06,556.25
				Total Rs.....		4806556.25
	Rs. Forty Eight Lac Six Thousand Five Hundred Fifty Six & Twenty Five Paise Only					
I/We am/are willing to carry out the work at..... % above/ below percent (Should be written in figures and words) of the estimated rate mentioned above. Amount of my/our tender works out as under.						
Estimated amount			Estimated amount			

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Item No.	Item of work	Unit	Qty	Rate	In Words	Amount (Rs.)
Put to tender :- ..... Rs. .... Put to tender :- ..... Rs. ....						
Deduct :- ..... % Below Rs. .... Add ..... % above Rs. ....						
Net Tender amount Rs. .... Net Tender amount Rs. ....						
In words Rs. .... In words Rs. ....						
.....						
<b>Notes 1</b> - The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.						
<b>Notes 2</b> - The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.						
<b>Notes 3</b> - GST and Income tax TDS will be deducted at a source while making payments of bills						
<b>Note 4</b> - In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC 10/2017CementConsumption /16/CDate:11/05/2017as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.						
					Deputy Executive Engineer	
					Drainage Sub Division	
Signature of contractor.				Mahudha		