

CIVIL WORK BOQ (Dismentle&New Work)					
Work :CHANGE ROOM ON GROUND FLOOR R.D.P.L. ROAD NO. 12, V.K.I.A. JAIPUR				Annx.-2	
Sr.No	Item Description	Quantity	Unit	Rate	Amount (Rs.)
UPTO PLINTH & D.P.C. LEVEL					
1	SITE CLEARENCE & CHIESLING OF STONE PILLARS OF EXISTING BUILDING PROJECTING OUT	L.S.			
2	EARTH WORK				
a	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches (not exceeding 1.5 m in width) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering / ramming and disposal of surplus excavated soil as directed with in a lead of 100 meter.In All kinds of soil	12.94	cu.m		
b	Filling in plinth with excavated surplus sand under floor including watering / ramming / consolidating & dressing complete in all respect. excluding cost of sand.	8.64	cu.m		
c	Supplying & Filling in plinth with river sand under floor including watering, ramming, consolidating & dressing complete in all respect. including cost of sand.	1.70	cu.m		
3	PCC				
	Providing and laying in position cement concrete including curing, compaction with vibrator etc. excluding the cost of centering / shuttering & reinforcement in1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cu.m		
4	SHUTTERING WORK-				
a	Centerring & shuttering with plywood or steel plates including strutting ,propping bracing both ways and removal of formwork for foundation rafts,footings,strap beams etc. upto dpc level.	5.40	sq.m		
b	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for plinth beams.	0.50	sq.m		
c	Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for Columns.	0.57	sq.m		
5	REINFORCEMENT				
	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) complete in all respect.	280.00	KG		
6	CEMENT CONCRETE WORK IN FOUNDATION / COLUMNS / D.P.C.				
a	Providing & laying in position specified grade of reinforced cement concrete including curing,compaction with vibrator,finishing with rendering in cement,sand mortar,1:3,(1 Cement :3 Coarse sand) excluding the cost of centering / shuttering & reinforcement. All works upto dpc level.:1:1:2(1 cement; 1:coarse sand; 2 graded stone aggregate 20 mm nominal size) ,Or M-25 Nominal mix. in foundations.	2.00	cu.m		
b	Providing & laying in position specified grade of reinforced cement concrete including curing,compaction,finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) excluding the cost of centering / shuttering & reinforcement.1:1:2 (1 cement :1 coarse sand :2 graded stone aggregate 20 mm nominal size) Or M-25 Nominal mix in columns.	1.50	cu.m		
c	Providing & laying in position specified grade of reinforced cement concrete including curing compaction,finishing with rendering in cement sand mortar 1:3(1 cement :3 coarse sand) excluding the cost of centering / shuttering & reinforcement with 1:1.5:3 (1 cement: 1.5 coarse sand :3 graded stones aggregate 20 mm nominal size) Or M-20 Nominal mix in D.P.C beams.	0.50	cu.m		
7	SOLING & P.C.C. UNDER FLOORS				
a	Providing & doing 150mm thick stone soling ,under the floors with crushed stone having average size of 150 mm (Non BSR)	1.50	cu.m		
b	Providing & doing 75mm thick P.C.C. M-10 grade nominal mix 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 20mm nominal size)over 150 mm thick soling	1.50	cu.m		
8	SUB STRUCTURE MASONRY				
	Random Rubble stone masonry with hard stone in foundation upto plinth (above 30 CM thick walls) in: Cement sand Mortar 1:6 (1-Cement : 6 coarse sand) including curing.	4.50	cu.m		
9	ANTITERMITE TREATMENT -				

Sr.No	Item Description	Quantity	Unit	Rate	Amount (Rs.)
	Providing and injection chlopyrifous emulsifiable concrete 20% with 1% concentration for pre constructional anti termite treatment as per IS:6313,part-3rd,as ammended from time to time and creating a contineous chemical barriers and around the columns pit ,wall,trenches,top surface of plith filling junction of wall & floor along the external perimeter of the building,expansion joints over the top surface of consolidated earth of which aproach is to be laid surrounding of pipes & conduits etc. complete as per specification(plinth floor area only,shall be measured for payment) (Non BSR)	8.63	sq.m		
10	SUPER STRUCTURE MASONRY -				
a	115 mm Brick work with F.P.S. bricks of class designation 75 in super structure above plinth level in all shapes and sizes in Cement mortar 1 : 4 (1 cement : 4 coarse sand) including curing & racking joints both side.	RO	cu.m		
b	230mm Brick work with F.P.S. bricks of class designation 75 in super structure above plinth level in all shapes and sizes in Cement sand mortar 1 : 6 (1 cement : 6 coarse sand) including curing & racking joints both side.	4.34	cu.m		
11	SHUTTERING WORK IN COLS / BENDS IN BRICK WORK / LINTELS / BEAMS / SLAB / CHAJJA / PROJECTIONS ETC.				
a	Centering & shuttering with plywood or steel plates including strutting, propping bracing both ways with steel props and removal of formwork upto floor level for :Columns.	0.70	sq.m		
b	Centering & shuttering with plywood or steel plates including strutting, propping bracing both ways with steel props and removal of formwork for Lintels,Bend in brick work, Beams, roofs, staircases, Landings, balconies,cantilevers etc.	1.20	sq.m		
12	REINFORCEMENT				
	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) complete in all respect.	260.00	KG		
13	CEMENT CONCRETE WORK IN COLUMNS / BENDS IN BRICK WORK / LINTELS / BEAMS / SLAB				
a	Reinforced cement concrete work in walls & Lintels upto floor level (any thickness & size) including curing, compaction, finishing with rendering. cement sand mortar 1:1.5:3 (1 cement : 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size) Or M-20 Nominal mix. complete in all respect.	0.20	cu.m		
b	Reinforced cement concrete work in columns upto floor level including curing, compaction with vibrator, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) in 1:1:2 (1 cement : 1 coarse sand: 2 graded stone aggregate 20mm nominal size) or M-25 nominal mix	0.60	cu.m		
c	Reinforced cement concrete work in beams, roofs, balconies, chajjas, staircases, landings including curing compaction with needle & plate vibrators,finishing with rendering in cement sand mortar 1:3(1 cement :3 coarse sand), :with 1:1.5:3 (1 cement: 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size) Or M-20 Nominal mix	6.32	cu.m		
14	PLASTERING-WALLS & CEILING				
a	Plaster on new surface in cement sand mortar 1:4 including racking of joints etc.12mm thick in plumb fine finish including curing. on ceiling & beams complete in all respect	8.63	sq.m		
b	Plaster on new surface in cement sand mortar 1:6 including racking of joints etc. 20mm thick in plumb fine finish including curing. On walls & columns Complete in all respect.	56.00	sq.m		
c	Making 50x50mm coving in all vertical / horizontal corners. Complete in all respect.	12.00	r.m.		
15	FLOORING & DADO				
a	Kota stone flooring ready size 550X550X25 mm thick laid over 35 mm (average) thick base and jointed with grey cement slurry including griding, rubbing and granite polishing complete in all respect. (base of cement mortar 1 cement : 4 coarse sand). leaving 4x4mm groove for epoxy compound in 2.4m wide common corridor only.	8.63	sq.m		
b	providing & fixing 50x50mm granite polished kota stone coving flushed with plaster & kota floor. Complete in all respect. In 2.4m wide common cooridor only.(NON BSR)	30.60	r.m		
c	Providing & Fixing premium quality double charged nano finish vitrified tiles 800X800X10mm thick on floor, skirting etc of approved make & design laid on 35 mm thick CM 1 : 4 including grouting the joints with matching tile grout complete in all respect. (NON BSR)	RO	sq.m		
d	Providing and fixing premium quality ceramic glossy / mat wall tiles 300X600 of approved make & design in cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry including pointing with matching tile grout of approved make. complete in all respect. (NON BSR)	25.64	sq.m		
e	Providing and fixing Granite stone slab mirror polished and machine cut edge on walls, pillars, steps, Sills Counters, Floors etc. laid on 35 mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement & pigment to match the shade of granite slab above 1500 Cm2 complete in all respect.	RO	sq.m		

Sr.No	Item Description	Quantity	Unit	Rate	Amount (Rs.)
f	Providing & laying in the joints of Kota stone floor epoxy compound (resin, hardner & pigment) 4mm wideX4mm deep.	RO	mm		
16	FALSE CEILING & P.O.P				
a	Providing & fixing L / Main-at 600mm c/c / Cross-at 230mm c/c / hangers of GI sheet 24 guage covered with heavy murga jali & finished with super fine pop in water level. Complete in all respect. (NON BSR)	RO	sq.m		
b	Providing & fixing 0.5mm thick steel skin both sides 50mm thick false ceiling. Colour can be grey / white. with rockwool core material ceiling panel In common passage area non conductive panel surrounded by 0.8mm gi sheet metal frame to prevent dust accumulation. panel with intermediate joint aluminium extrusion cross Tee / aluminium main grid Tee including cutout with reinforcement for lighting fixtures & air supply grill. system not capable for walking. (NON BSR)	RO	sq.m		
c	Providing & applying super fine plaster of paris over cement plaster surface in water level & plumb in all internal walls & ceiling (where no tile work)	56.00	sq.m		
17	PAINTING				
	Wall / Ceiling painting over pop surface with washable mat finished oil paint 3 to 4 coats of approved brand and manufacture to give an even shade including all scaffolding. preparation of base with primer, putty, lippy etc complete in all respect. (NON BSR)	37.80	sq.m		
18	GMP DOORS / WINDOWS / VENTS				
a	Providing & fixing M.S. Powder coated doors shutters with chaukhats blue / grey white / ivory white.The core material can be puff, rock wool, polystyrene, honeycomb including tempered view glass & all hardware like hinges, handles, door stoppers, door buffers, door closers or floor machine (if required) mortice lock etc.confirming to GMP norms as per drg. (NON BSR)	1	sq.m		
b	Providing & fixing M.S. powder coated windows & vents with double layer 6mm plain glass & all hardware. confirming to GMP norms as per drg. (NON BSR)	RO	sq.m		
19	STAINLESS STEEL RAILING				
	Providing & fixing 850mm high s.s. railing in 304 grade as per design / drawing & instructions at site.in main & fire escape staircase (NON BSR)	RO	r.m.		
20	WATER PROOFING				
	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying : a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proffing cement compound @ 0.253 kg/sqm. b) laying second layer of Fiber glass cloth when the first layer is still green . Overlaps of joints of fiber cloth should not be less than 10 cm . c) Third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proffing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around d) fourth and final layer of brick tiling 'with cement mortar or any other approved protective coarse. (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured	8.64	sq.m		
TOTAL AMOUNT					
SANITARY WORK					
Sr.No	Item Description	Qty.	Unit	Rate	Amount (Rs.)
1	SANITARY FIXTURES				
1a	Providing & Fixing star white colour vitreous china wall mounted wc 'P' with soft close seat cover & concealed dual tank. Complete with all accesseries including cutting & making good wall & floor wherever required. Model - CERA CARAT - 2036, 500X360X350mm ,2306 seat cover	1	Each		
1b	Providing & Fixing star white colour vitreous china squatting pan w.c with 10 ltr capacity pvc slim tank. Complete with all accesseries including cutting & making good wall & floor wherever required. model - CERA 2071, 580X440X400mm, cistern 2602 cien premium. with anti bacterial knob	RO	Each		
2	Providing & Fixing star white colour vitreous china wash basin half pedestal 32mm dia C.P waste, 32mm Dia C.P wall flange & rubber adopter for waste connection complete, including cutting & making good the walls wherever required.model - CERA CONCORD 1022,630x450mm	1	Each		
3	Providing & Fixing star white colour vitreous china urinal with inbuilt auto flush system with s.s. bracket, pipe to wall with C.P flange compete including cutting & making good the walls & floors wherever required. Model - CERA 5005A,362x330x740mm	1	Each		

Sr.No	Item Description	Quantity	Unit	Rate	Amount (Rs.)
4	Providing & Fixing in position best quality stainless steel sinks with 40mm C.P. brass waste chrome plated & s.s. waste pipe. complete in all respect including cutting & making good the walls & floors. in canteen. Model 24"X20"X8" 1.0mm thick mat finish.	RO	Each		
5	Providing & Fixing chrome plated wall mounted taps over wash basin complete in all respect including cutting & making good the walls wherever required. Model - JAQUAR-CQT23347	2	Each		
6	Providing & Fixing 15mm C.P brass bib cock for wc with C.P brass threaded flange complete, including cutting & making good the walls wherever required. Model - JAQUAR - CQT23047	2	Each		
7	Providing & Fixing 15mm C.P. brass angle valve with C.P copper connecting pipe 375mm long & nuts, washer & C.P. brass flange complete, including cutting & making good the wall wherever required. JAQUAR-CQT23059 for wc cistern & basins.	2	Each		
8	Providing & Fixing 15mm C.P. brass concealed stop cocks with C.P. brass flange for cold water supply. JAQUAR-CQT23083 for urinals before sensor.	1	Each		
9	Providing & Fixing 15mm C.P. brass mixing fitting for sink with swinging spout complete, including cutting & making good the walls wherever required. Wall mixer with swivel spout. JAQUAR-CQT23309.	2	Each		
10	Providing & Fixing hand dryer automatic ABS body (Electric / Battery operated) with all accessories including cutting & making good the walls. Model - TOYO 235X205X265MM WHITE COLOR	1	Each		
11	Providing & Fixing ABS body automatic liquid Soap Dispenser for all wash basins with liquid soap. Model - TOYO 1503 WHITE COLOR	1	Each		
12	Providing & Fixing 6mm thick beveled edge mirror with teak wood beading (Mirror of approved quality & as per specifications) with 6mm thick asbestos plain sheet ground fixed with C.P. brass screws & washers & complete as per approval. Size 600X450mm	1	Each		
II	SOIL, WASTE & VENT PIPES, RAIN WATER PIPES & FITTINGS				
1	Excavation of trenches of required width for pipes, including excavation for sockets, & dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excavated soil, & then returning soil as required, in layers not exceeding 20cm depth including consolidating each deposited layer by ramming, watering etc. & disposing of surplus excavated soil as directed outside the site to the approved dumping ground.				
(a)	in all kinds of soil except hard rock				
(i)	Pipes not exceeding 80mm dia.	10	mt.		
(ii)	Pipes exceeding 80mm dia. But not exceeding 300mm dia in all types of soil.	15	mt.		
2	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes fittings type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make				
	Coupler				
(i)	75mm dia	10	Each		
(ii)	110mm dia	15	Each		
	Single 'Y' with Door				
(i)	75mm dia	RO	Each		
(ii)	110mm dia	RO	Each		
	Single Tee with Door				
(i)	75mm dia	1.00	Each		
(ii)	110mm dia	2.00	Each		
	Multi floor trap				
	110mm dia	2.00	Each		
	Offset				
	110mm dia	2.00	Each		
	Nahni Trap with Jali 4"				
	110mm dia	2.00	Each		
	Nahni Trap without Jali 4"				
	110mm dia	2.00	Each		
	Nahni Trap with Jali 3"				

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	75 mm dia	1.00	Each		
	Nahni Trap without Jali 3"				
	75 mm dia	1.00	Each		
	Vent Cowel				
	75 mm	1.00	Each		
	Vent Cowel				
	110mm dia	2.00	Each		
3	Providing & Laying cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 stone aggregate 20mm & down guage) 75mm in bed & alround C.I. soil & waste pipe. 100mm, 75mm & 50mm dia pipes under floors including centering & shutting wherever required.	5	mt.		
4	Providing & Fixing making khurras with average minimum thickness of 5cm cement concrete 1:2:4 (1Cement : 2 Coarse Sand : 4 Graded stone Aggregate) over PVC sheet 1mX1mX400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) & a coat of neat cement rounding the edges & making & finishing complete.				
(a)	For 100mm dia outlet with vertical C.I grating.	1	Each		
5	Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make				
(a)	110mm outer dia.	RO	mt.		
(b)	160mm outer dia.	15	mt.		
6	Providing & Fixing 150mm dia C.I (through flow) made up C.I body with flange & aluminium ring & aluminium dome grating for rain water khurra at Terrace complete as per requirements. (NEER / GMGR or equivalent) (Sample to be approved).	1	Each		
7	Providing & Fixing 125mm dia round bronze C.p frame & grating with connecting stainless steel screws, complete as per requirements. (NEER / GMGR or equivalent) (Sample to be approved).	1	Each		
III	WATER SUPPLY (INTERNAL & EXTERNAL)				
1	Excavation of trenches of required width for pipes, including excavation for sockets, & dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excavated soil, & then returning soil as required, in layers not exceeding 20cm depth including consolidating each deposited layer by ramming, watering etc. & disposing of surplus excavated soil as directed outside the site to the approved dumping ground.				
(a)	in all kinds of soil except hard rock				
(i)	Pipes not exceeding 80mm dia.	RO	mt.		
(ii)	Pipes exceeding 80mm dia. But not exceeding 300mm dia in all types of soil.	15	mt.		
2	Providing & Fixing cpvc water pipes (I.S:4985-1981) of 10Kg / cm2 including all fittings e.g bends, junctions, elbow, f-tee, m-tee, offsets, access pieces etc. jointing with solvent cement including cutting holes in walls, floors excavation, refilling & disposal of surplus earth wherever required & making good.				
(a)	20mm outer dia	RO	mt.		
(b)	25mm outer dia	10	mt.		
(c)	32mm outer dia	RO	mt.		
(d)	40mm outer dia	RO	mt.		
(e)	50mm outer dia	RO	mt.		
(f)	63mm outer dia	RO	mt.		
(g)	75mm outer dia	RO	mt.		
3	Providing & Fixing cpvc water pipes (I.S:4985-1981) of 6Kg / cm2 including all fittings e.g bends, junctions, elbow, f-tee, m-tee, offsets, access pieces etc. jointing with solvent cement including cutting holes in walls, floors excavation, refilling & disposal of surplus earth wherever required & making good.				
(a)	40mm outer dia	RO	mt.		

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(b)	50mm outer dia	RO	mt.		
(c)	63mm outer dia	RO	mt.		
(d)	75mm outer dia	RO	mt.		
4	Providing & Fixing PVC ball valve as per ISO:138 / IS-7834 for the operating temperature upto 60 Deg.C threaded or plain socket type for lawn sprinkler system.				
(a)	25mm outer dia	2	Each		
(b)	32mm outer dia	RO	Each		
5	Constructing masonry chamber 30X30X50cms inside with 75mm glass designation brick work in cement mortar 1:5 (1 cement : 5 coarse sand) for valves upto 65mm dia. With C.I surface box 100X100X75mm (inside) with hinged cover fixed in 100mm thick reinforced cement concrete slab 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) necessary excavation, back filling & disposal of surplus earth as per instructions, foundation concrete 1:5:10 (1 cement: 5 fine sand: 10 graded stone aggregate 40mm nominal size) & inside plastering with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement complete as per standard design.	RO	Each		
IV	EXTERNAL SEWERAGE / DRAINAGE SYSTEM				
1	Excavation of trenches of required width for pipes, including excavation for sockets, & dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excavated soil, & then returning soil as required, in layers not exceeding 20cm depth including consolidating each deposited layer by ramming, watering etc. & disposing of surplus excavated soil as directed outside the site to the approved dumping ground. Minimum width of the trench should be external dia plus 400mm.				
	(in all kinds of soil except hard rock)				
(i)	Pipes exceeding 80mm dia but not exceeding 300mm dia in all types of soil.	RO	mt.		
(ii)	Pipes exceeding 300mm dia.	20	mt.		
2	Providing & fixing square mouth 'P' type S.W gully trap grade 'A' of size 150X100mm complete with C.I grating, brick masonry chamber & water light C.I cover with frame of 300X300mm size (inside) the weight of cover to be not less than 4.50 Kg & frame to be not less than 2.70 Kg as per standard design & detail.	1	Each		
TOTAL AMOUNT					