

CIVIL CONSTRUCTION WORK BOQ (Dismantle&New Work)					
Work :CHANGE ROOM & PRODUCTION AREA ON GROUND FLOOR R.D.P.L. ROAD NO. 12, V.K.I.A. JAIPUR Annx.-1					
Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
1	DISMANTLING & DEMOLISHING WORK				
(a)	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	40.31	cu.m		
(b)	Dismantling doors, windows and clearstory windows steel or wood shutter including chowkhats and holdfasts etc. complete and stacking within 50 meters lead: Of area 3 square meter and below	47.00	each		
(c)	Dismantling doors, windows and clearstory windows steel or wood shutter including chowkhats and holdfasts etc. complete and stacking within 50 meters lead: Of area exceeding 3 square meter.	9.00	each		
(d)	Dismantling stone slab/ terrazo chip flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meters lead.	136.55	Sqm		
(e)	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 meter lead.	905.90	Sqm		
(f)	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge:				
	In cement mortar.	23.40	cu.m		
(g)	Dismantling tile work in floors and roofs laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meter lead:				
	For thickness of tiles 10mm to 25mm.	197.00	Sqm.		
	For thickness of tiles 25mm to 40mm.	RO	Sqm.		
(h)	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	24.00	Sqm.		
(i)	fixing of risers in puf partitions upto height of 2850 mm from floor level to insert risers complete in all respect including finishing with aluminium powder coated sheets thickness 35mm same colour with puf partitions	15.00	each		
(j)	dismantling/chasing in brick wall to make cavity of 100 mm deep upto height of 2850 mm from floor level to insert risers complete in all respect without making hole through wall	22.00	sq.m		
2	Earth Work				
(a)	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and all lift , disposed earth to be levelled and neatly dressed: All kinds of soil	RO	Cum		

Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
(b)	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which approach is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for payment)	RO	sqm		
3	Concrete Work				
(a)	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level.				
	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size).	RO	Cum		
4	Reinforced Concrete Work				
(a)	Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement. M20 grade Nominal Mix / Design Mix	RO	Cum		
(b)	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, girders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	RO	Cum		
(c)	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers(if required) excluding the cost of centering, shuttering and reinforcement for Arches, arch ribs, domes, vaults, shells, folded plate, chimneys, shafts , roofs having slope more than 15° ,vertical and horizontal fins individually or forming box louvers, facias and eaves boards M20 grade Nominal Mix / Design Mix	RO	Cum		
5	Form Work				
(a)	Centering and Shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation , footings, strap beam, raft , bases of columns etc.	RO	Sqm.		
(b)	Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	RO	Sqm		
(c)	Columns, pillars, posts and struts etc.	RO	Sqm.		
6	Steel Reinforcement				

Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
(a)	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level.				
	Cold twisted deformed bars (IS : 1786).	RO	Kg.		
7	STONE MASONRY				
(a)	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in:				
	Cement Mortar 1:4 (1-Cement : 4-Sand).	RO	Cum.		
8	DAMP- PROOF COURSE AND PRECASTCOPING				
(a)	Providing and laying damp-proof course with cement concrete grade M-150 (1 : 2 : 4) mortar prepared with 1% solution of water-proof compound complete as per specification .				
	50mm thick.	RO	Sqm		
	75mm thick.	RO	Sqm		
9	SUPER STRUCTURE MASONRY				
(a)	115 mm Brick work with F.P.S. bricks of class designation 75 in super structure in all shapes and sizes in Cement mortar 1 : 4 (1 cement : 4 coarse sand) including curing & racking of joints both side.	25.35	cu.m		
(b)	Add extra providing and placing in position 2 Nos. ,6mm Ø M.S. bar at every third course of half brick masonry .	7.37	Sqm		
(c)	230mm Brick work with F.P.S. bricks of class designation 75 in super structure in all shapes and sizes in Cement sand mortar 1 : 6 (1 cement : 6 coarse sand) including curing & racking of joints both side.	RO	cu.m		
10	PLASTERING -WALLS, CEILING & COVING IN CEMENT MORTAR				
(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	RO	sq.m		
(b)	Plaster on new surface in cement sand mortar 1:6 including racking of joint etc. 20mm thick in plumb fine finish including curing on walls & pillars. Complete in all respect.	543.10	sq.m		
(c)	Epoxy Coving : Preparation of Silicon Based Epoxy coving at wall to Floor edges and corners of required radius of 70mm as required. Apply pigmented epoxy colour coat over the same with a smooth finish as directed by the Engineer-in-charge.	101.90	r.m		
(d)	Making 50X50mm coving in all vertical / horizontal corners. Complete in all respect.(Non BSR)	82.80	r.m		
11	INTERIOR FINISHING				
(a)	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	298.10	Sqm		
	White washing with lime to give an even shade including all scaffolding:				
	New work (three or more coats).	RO	Sqm		
12	PAINTING				

Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
(a)	Wall / ceiling painting on cement plaster 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)	484.20	sq.m		
(b)	Wall / Ceiling painting on pop surface with acrylic 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)	RO	sq.m		
(c)	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	Two or more coats on new work	227.00	Sqm		
	One or more coats on old work.	23.00	Sqm		
13	GMP & GPSP DOORS / WINDOWS / VENTS				
(a)	Providing & fixing Powder coated GPSP sheet doors shutters thickness 46mm with chaukhats blue / grey white / ivory white.The infill material can be honeycomb media including tempered view glass 350X750mm & all hardware like SS ball bearing hinges, handles, Kick Plate, Push Plate, Mortice dead lock, door bottom seal, etc.confirming to GPSP norms as per drg. (NON BSR)	179.97	sq.m		
	SS Ball Bearing Hinges (6 piece for double door)	87.00	3 piece		
	D Handle (2 piece for double door)	87.00	1 piece		
	Mortice Dead Lock	77.00	1 piece		
	Push Plate (2 piece for double door)	87.00	1 piece		
	Door Bottom Seal (2 piece for double door)	87.00	1 piece		
	Kick Plate (2 piece for double door)	87.00	1 piece		
	View Pannel (350X750) (2 piece for double door)	87.00	1 piece		
	Door Closer	77.00	1 piece		
	Concealed Tower Bolt (for double door only)	10.00	1 piece		
	Automatic Door Interlocking of Single Leaf with fixing charges	51.00	1 piece		
	Automatic Door Interlocking of Double Leaf with fixing charges	6.00	1 piece		
(b)	Providing & fixing Aliminium powder coated windows & vents with double layer 5mm toughened glass & all hardware confirming to GMP norms as per drg. (NON BSR)	51.00	sq.m		
(c)	Pass Box Static Double Door Interlocked Pass Box 304 (GMP model) / CRCA powder coated.	RO	each		
14	ALUMINIUM DOORS / WINDOWS / VENTS				
(a)	Providing & fixing Aluminium Powder coated door shutters in 80x45mm section with chaukhats in 100x45mm ivory / white.as per drg with all hardware like hinges, handles, door stoppers, door buffers, door closers or floor machine (if required) mortice lock etc & 6mm plane glass. (NON BSR)	33.90	sq.m		
(b)	Providing & fixing Aluminium powder coated window & vent shutters in 50x25mm section with chaukhats in 100x45mm with 6mm plain glass, locking system & handles etc. complete in all respect. (NON BSR)	3.45	sq.m		
15	FLOORING & DADO				
(a)	Kota stone slab flooring 25 mm thick over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand)	182.10	sq.m		

Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
(b)	Extra for Mirror polishing on terrazzo/Kota stone work where ever required to give high gloss finish complete.	98.20	sq.m		
(c)	Floor : Providing & applying floor epoxy coating on existing surface including floor to wall coving after removing peeled off top coat and loose screed with filling of any visible cracks with epoxy based material and surface preparation by grinding, cleaning the surface and application of 2 component epoxy primer at the rate of 0.2kg/sqmt achieving minimum 200 microns thickness, the primer shall be allowed to dry, afterward the self leveling epoxy resin based floor topping of 1000 microns shall be applied with appropriate curing and drying, the floor epoxy top coat should be joint less and executed in single application process (as per manufacturer specification / instructions).	101.30	sq.m		
(d)	Providing & laying in the joints of Kota stone floor epoxy compound (resin, hardner & pigment) 4mm wideX4mm 10mm deep.	613.10	rm		
16	KITCHEN & LAB. SINKS:				
(a)	1.0 mm thick Salem stainless steel AISI -304 & IS 13983-1994 kitchen sink of approved make as per Engineer-in-charge with large waste coupling.				
	Overall size <u>Bowl size</u>				
	(inches) (inches)				
	18 x 16 x 6 16x14x6	RO	Each		
	22 x 18 x 7 20x16x7	RO	Each		
	24 x 18 x 8 20x16x8	RO	Each		
	37 x 18 x 7 17x15x7 (with drain board)	RO	Each		
	45 x 20 x 8 20x16x8 (with drain board)	2.00	Each		
17	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. In office area only.(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 puff, 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 or lighting fixtures & air supply grill. system not capable for walking. other than office / double ht. / receiving bay area. (NON BSR)	24.00	sq.m		
(c)	Providing & applying plaster of paris over cement plaster surface in water level & plumb in all internal walls & ceiling (where no tile work & false ceiling is done) Complete in all respect. In office area only. (NON BSR)	RO	sq.m		
18	Cement concrete flooring				
	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, making of lines or groove etc complete but excluding the cost of nosing of steps etc. complete.				
	40mm thick with 20mm thick nominal size aggregate.	16.65	Sqm		

Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
	75mm thick with 20mm thick nominal size aggregate.	RO	Sqm		
19	P.U.F AND P.V.C WORK				
(a)	Providing and fixing prelaminate GI powder coated PUF polyurethane foam (cfc free) Partitions with closed content of 90% density of 38-42 Kg/m ³ bonded mineral wool or rockwool in paneling fixed in GMP doors ,windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and direction of engineer-in-charge.				
	thickness 35mm	65.00	Sqm		
	thickness 50mm	194.00	Sqm		
	thickness 80mm	380.00	Sqm		
	thickness 100mm	89.05	Sqm		
20	Making taper chajjas & cement design work as per existing building. (NON BSR)	15.40	sq.m		
21	GALVANISED IRON PIPES				
(a)	P & F G.I. pipes (Internal Work) with G.I. Fittings excluding union (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors:				
	15mm dia nominal bore				
	'A' Class	RO	Mtr.		
	'B' Class	30.00	Mtr.		
(b)	Providing & fixing C.P.flange for 15mm dia taps.	4.00	Each		
22	WATER PROOFING TREATMENT				
(a)	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	278.85	sq.m		
(b)	Dismantling tar felt over roofing complete including stacking of serviceable material and disposal of unserviceable material within 50-meter lead.	278.85	sq.m		
23	GRANITE WORK				
	Providing and fixing Granite stone slab mirror polished and machine edge cut in walls, pillars, steps, Shelves, Sills Counters, Floors etc. laid on 12mm (Av.) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) jointing with white cement mortar 1:2 (1white cement : 2 marble dust) with pigment to match the shade of the marble slab including grinding, rubbing and polishing complete.				
	Jhunjhunu / Jalore (Red / Chocolate Colour)				
(a)	Up to 1500 Cm ² Tiles	RO	sq.m		
(b)	1501 Cm ² to 3600 Cm ² Tiles	RO	sq.m		

Sr.No.	Item Description	Quantity	Unit	Rate	Amount (Rs.)
(c)	Above 3601 Cm ² Slabs	RO	sq.m		
	Green / Black				
(a)	Up to 1500 Cm ² Tiles	1.50	sq.m		
(b)	1501 Cm ² to 3600 Cm ² Tiles	RO	sq.m		
(c)	Above 3601 Cm ² Slabs	RO	sq.m		
24	REPAIR WORK				
	Fixing chowkhats and doors/windows in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts embedding hold fasts in cement concrete blocks with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead				
(a)	Door chowkhats & Doors	RO	Each		
(b)	Window chowkhats & Windows	RO	Each		
(a)	Refixing old glass panes with putty and nails	RO	Sqm		
25	SANITARY WORK				
(a)	Labour charges for removing W.C. pan (any type) of all sizes with care including all necessary fittings P or S trap.	4.00	Each		
(b)	Labour charges for Removing S.W. pipes including breaking of joints & bed concrete, stacking of useful material at site within 50 mtr. Lead and disposal of unserviceable material within 0.5 Km. lead:				
	100 & 150mm dia pipe	RO	Mtr.		
	200, 230 & 250mm dia pipe	RO	Mtr.		
	300mm dia pipe	30.00	Mtr.		
	350mm dia pipe	RO	Mtr.		
	400mm dia pipe	RO	Mtr.		
(c)	Providing & fixing S.W. square mouth Gully trap 'A' grade (IS 651-1992 marked) of approved make & design in existing man-hole.				
	Size 100 X 100mm	RO	Each		
	Size 150 X 100mm	RO	Each		
	Size 225 X 150mm	RO	Each		
(d)	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				
	75 mm dia	RO	Mtr.		
	110 mm dia	RO	Mtr.		
(e)	Nahni Trap with Jali 4"				
	110mm dia	RO	Each		
(f)	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make:				
	(-do-) Long body, 15mm nominal bore weight not less than 690 gm	RO	Each		
26	removing all existing paint / making existing plaster surface rough by making deep cut at 1" interval & doing superfine pop in plumbincluding cost of pop material	0.00	sq.m		
27	providing and fixing 50x 4mm thick iron plate powder coated in same existing colour over	0.00	Mtr.		
TotalAmount Rs.					