

Bill of Quantities for Civil Works for Proposed Renovation at State Bank of India.,Bharari Branch at, BILASPUR.(H.P)					
S.N	ITEM	UNIT	QTY	RATE	AMOUNT
<b>1</b>	<b>VITRIFIED TILE FLOORING</b>				
	Providing & fixing vitrified tiles of size 600x600 mm of approved make in flooring laid in any pattern as specified over base of 20 mm thick cement coarse sand mortar 1:3,and jointed with white cement slurry mixed with pigment to match the shade to tiles.The tiles shall be of premium quality double charged (first quality) of reputed manufacture i.e. JOHNSON/NITCO/KAJARIA/NIRO GRANITE. The work also includes dismantling of existing floor/wall tiles or stone & removal of malba and disposal of the same away from site.	125	Sq.mt		
	<b>Cost of Tile Rs. 60/ sq.ft inclusive of delivery, Octroi, loading- Unloading at site and all taxes thereon excluding GST.</b>				
<b>2</b>	<b>VITRIFIED TILE DADO &amp; FLOORING in TOILETS</b>				
	Providing and laying 1st quality Vitrified glazed/matt finish tiles 600mmx 600mm (as specified in Dado (thickness to be specified by the manufacturer approx 9mm) Water absorption of tiles shall be less than 0.5% and flexural strength (Modulus of Rupture) shall be more than 35 N/Sqmm. on 20 mm thick cement mortar 1:4(1 cement: 4 coarse) sand), including grouting the joints with white cement and matching pigments etc., complete. <b>Approved makes( Nitco, Johnson, AGL, Kajaria,Sunheart )</b> Basic rate of tile: Rs 60/-per Sq.ft	56	Sq.mt		
	<b>( Note: Work Incl.Dismantling of existing tiles and disposal of material to contractors own dump.)</b>				
<b>3</b>	<b>Granite flooring</b>				
	Providing , Laying & fixing of granite stone (Grey shade)15mm to 18mm thick in flooring/skirting treads & risers of steps,laid in any pattern as specified over base of 20mm thick cement slurry mixed with pigment to match the shade of granite stone. The work also includes dismantling of existing floor/wall tiles or stone & removal of malba and disposal of the same away from site	8	Sq.mt		
<b>5</b>	<b>CIVIL WORKS</b>				
<b>i</b>	<b>Dismantling of Brick Work :</b> Dismantling Brickwork manually/mechanical means including stacking of servicable material and disposal of unservicable material with in 50 m as per direction of Engineer in charge.	12	Sq.mt		
<b>ii</b>	Dismantling of flushing cistern of all types (C.I./pvc/vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	2	No.		
<b>iii</b>	Dismantling G.I. pipes (internal & external work) including excavation and refilling trenches / repair of wall after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge:				
	15 mm to 40 mm nominal bore	40	Rmt		
<b>iv</b>	Dismantling C.I. pipes including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means breaking lead caulked joints, melting of lead and making into blocks including stacking of pipes & lead at site within 50 metre lead as per direction of Engineer-in-charge:				
	Up to 150 mm diameter	15	Rmt		
<b>v</b>	<b>230mm thick brick masonry :</b> Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes ( Old bricks from dismentaled wall shall be used along with new bricks as/avalibility)	12	Cumt		
<b>vi</b>	115mm thick brick masonry : Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level	18	Sq.mt		
	Cement mortar 1:4(1 cement :4 coarse sand)				

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vii	Cement mortar 1:6(1 cement: 6 coarse sand)				
	12 mm cement plaster of mix :				
	1:6 (1 cement: 6 fine sand)	60	Sq.mt		
	15 mm cement plaster on the rough side of single or half brick wall of mix:				
viii	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircase and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.00	Cum		
<b>6</b>	<b>PUBLIC HEALTH WORKS</b>				
i	Providing and fixing Polyethelene-Aluminium-Polyethelene PE-ALPE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes testing of joints complete as per direction of the Engineer-in-charge.				
	Concealed work, including cutting chases and making good the wall etc.				
	1216 (16 mm OD) pipe	20	Rmt		
	1620 (20 mm OD) pipe	15	Rmt		
	2025 (25 mm OD) pipe	10	Rmt		
ii	<b>Providing &amp; Fixing in position European type water-closet suite (as approved by the Architect/Engineer-In-Charge), syphonic type consisting of:</b>				
	HINDWARE : OLIVIA S-220 One Piece Closet or JAQUAR/CERA Rimless Single Piece WC with UF Soft Close Slim Seat Cover, Hinges, Dual Flush Cistern Fitting, Fixing Accessories And Accessories .				
	Complete in all respects including connecting with existing CI pipe with CI/PVC pipes , removing existing fixtures including cutting & making good the walls & floors.				
	Including Providing & fixing of stainlen steel JET set to be provided along European seat, fixed complete in all respects to the satisfaction of Architect/Engineer -In-Charge. Make:(VIKING/JAL/JAQUAR)	3	NO'S		
iii	Providing and fixing in position approved make C.P.Brass liquid soap dispenser fixed into wall with C.P. brass screws complete in all respects including cutting and making good the wall etc. Make: Jaquar ACN-1135N Soap Dispenser with Glass Bottle ( Hindware/Cera)	3	NO'S		
iv	Providing and fixing in position best indian make bevelled edge 5.5mm thick mirror mounted on <b>asbestos sheet ground</b> fixed in position by means of 4.no Chromium plated brass screws & washers over rubber washers & rawl plug embedded in the wall or Chromium plated brass clamps with c.p. brass screws (as required by the Architect/Engineer-In-Charge) complete including cutting & making good walls ect.Size(600x910mm)	6	Sq.mt		
v	Providing and fixing CP Brass towel ring complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and color. Make: Jaquar ACN-1121N Towel Ring Square with Round Flange ( Hindware/Cera)	3	NO'S		
vi	<b>Providing &amp; Fixing in position white viterous China flat back lipped front URINAL,Consisting of:-</b>				
	Hindware Fb – Large Standard Urinal or Jaquar/Cera				
	<b>with Jaquar Urinal Valve Auto Closing System with Built-in Control Cock with Wall Flange PRS-CHR-077</b>				

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	C.P.Brass Spreadres with brass unions & G.I.Clamps,complete including cutting &	1	NO'S		
	<b>Including C.P Bottle Trap " Jaquar make" Code : ALD 769</b>				
	<b>( Hindware/Cera)</b>				
<b>vii</b>	<b>Providing &amp; fixing in position Lavatrry suites couistry of :-</b>				
	PEDESTAL WB "ELEGANCE" – SW				
	C.I.Brackfast for building into wall including painting.				
	32mm C.P.Brass waste of standard pattern.				
	15mm C.P. Brass screw down pillar tap with couplings ( Pressmatic Jaquar Cat No: PRS-031)				
	Including C.P Bottle Trap " Jaquar make" Code : ALD 769				
	All brass wok chromium plasted and complete in all respects including cutting & making good the walls,floors & paintry of fittings ect.	3	NO'S		
	<b>( Hindware/Cera)</b>				
<b>viii</b>	Providing & fixing CP Jali, complete in all respects.	12	each		
<b>ix</b>	Providing & fixing G.I. reducer ( Snw/ Unique) for floor drain, complete 75 x 50mm size.	3	each		
<b>x</b>	Providing & fixing C.P brass bib cock of approved make conforming to isi 8931 ORP-10037PM Bib Cock with Wall Flange( 15mm nominal bore ) Make : Jaquar/ Hindware/Cera	4	NO'S		
<b>xi</b>	Providing & fixing C.P brass ORP-10173BPM Single Lever Sink Mixer with Swinging Spout (Table Mounted) with 450mm Long Braided Hoses Make : Jaquar/ Hindware/cera	1	NO'S		
<b>xii</b>	Providing & fixing C.P. brass stop cock conforming to isi:8931(15 mm nominal bore.) ORP-10053PM Angular Stop Cock with Wall Flange Make : Jaquar/ Hindware/Cera	14	NO'S		
<b>xiii</b>	Providing & fixing Premium Stainless Steel Oval Single Bowl Kitchen Sink 610 x 457 x 228mm including C.P.Brass waste coupling and flexible waste pipe., complete in all respects to the satisfaction of the Engg. In Charge	1	NO'S		
<b>xiv</b>	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes <b>including brass fittings/float valve etc</b> on existing base support for tank. <b>MAKE: SUPREME/DIPLAST/ASHIRWA/SINTEX</b>	1000.00	Ltr		
<b>xv</b>	Providing & fixing A TYPE PVC pipes of supreme/Finolex/Ashirwad make or equivalent in position of required size (75mm to 200mm dia for drain/ sewerage outlets Class 3 6kg pressure) and length with special fittings, traps, bends, ys, floor & nahani traps etc. Including chemical sealed joints as required at site making necessary connections upto manhole or for w.c. & waste water lines,unused lines for w.c. & waste water to be removed, the rate shall include all incidental work, cutting & making good walls & floors etc. Complete. <b>Please visit the site for inspection.</b>				
	<b>Per WC including waste water for toilets</b>	3	NO'S		
<b>6</b>	<b>ROLLIING SHUTTER</b>				
<b>i</b>	Providing & fixing M.S grilled shutters manufactured out of 8 mm dia M.S. bar as per design approved by Engineer-in- charge, (area of grill to be measured).	10	Sq.mt		
<b>ii</b>	Removal & Re-fixing of MS Shutter and Grill/Collapsible Gate including Brick dismantling and construction, work also includes oiling/repair of shutters/grill as required including providing and fixing new channels, ms plates, sections, handles, locks etc. as required and enamel paint of same complete in all respects.	1	JOB		

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<b>7</b>	<b>PAINT WORKS</b>				
<b>A</b>	<b>Plastic Emulsion Paint</b>				
	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :.	60	Sq.mt		
	Make:- Asian paints/ICI Dulux/Nerolac.				
<b>B</b>	<b>Enamel Paint</b>				
	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade				
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture				
	Make:- Asian paints/ICI Dulux/Nerolac.	30	Sq.mt		
<b>8</b>	<b>Textured exterior paint</b>				
	Finishing walls with textured exterior paint of required shade :				
	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	18	Sq.mt		
	Make:- Asian paints/ICI Dulux/Nerolac.				
<b>9</b>	<b>Door to System room - Fire rated steel door including frame - 2 (Two) Hrs Metal test certificate will be provided issued from GQMC.</b>				
<b>a)</b>	Frame - Providing and fixing fire resistant door frame of section 100 x 50 mm having built in rebate out made up of 1.2 mm GPSP Sheet duly powder coated / 16 SWG G.I. sheet (zinc coating not less than 120 gm / sqm ) duly filled with vermiculite based concrete mix, suitable for mounting 120 minutes fire rated door shutters. The frame is fitted with intumescent fire seal strip of size 10 x 4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including apply a coat of approved brand fire resistant primer etc. complete as per direction of Engineer – in charge (including Dash fastners).				
<b>b)</b>	Shutter - Providing and fixing Metal Door Shutter 46 mm thk.made up of 0.8mm thick GPSP Sheet. Glazed fire resistant door shutters of 120 minutes fire rating conforming to IS : 3614 (Part – II), tested and certified as per laboratory approved by Engineer – in – charge, with suitable mounting on door frame, the entire shutter filled insulation material / Honeycomb craft paper of 160gsm (zinc coating not less than 120 gm/m2) and fixing with necessary stainless steel ball bearing hinges of approved make,provision of Fire Rated Wired Glass size of glass 300 X 200 including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer – in charge (paneling to be paid for separately).				
<b>c)</b>	Hardware for fixing - Fire rated steel door including frame Providing and fixing following hardware for fixing fire rated steel door including frame, complete. Hinges 4X3X3 ( Min. 3Nos), Pull Handle 19 X 250mm - Pair, Dead Lock, Fire Rated Wired Glass size - 300 X 200, Fastners Hilti 10 X 92mm - (Min - 10Nos.)	Sq.mt	1.95		
	<b>SUB TOTAL PART A</b>				