

Subject	External Civil work for State Bank of India Branch Office at Patiala Road, Rajpura (Pb). Br. Code – 50016.				
Exterior Campus work - BOQ - 1					
S.No	ITEM	QTY	UNIT	RATE	AMOUNT
1	Surface dressing of the ground including removing of all vegetation and in - equalities not exceeding 1.5 cm deep and cleaning of with in the campus - front, rear & all sides, removing of all vegetation, leafs disposal of all kind of rubbish / leafs & disposal of malba from site to unobjectionable place & out side of municipal Limits.	1.00	Job		
2	Dismantling Dismantling of brick work, R.C.C. work, concrete work, all kind of openings of any size & disposal of malba from site to unobjectionable place & out side of municipal Limits & upto all leads. No, wood work / furnishing work, all kind of floorings includes in this item & not to be paid.	450.00	Cft.		
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. All kinds of soil. the work includes back filling & compected. The serplus earth shall be rammed in depressed nearby areas within the premises / compus & surface dressing of the ground.	1500.00	Cft.		
4	PCC : Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 fine sand derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).	200.00	Cft.		
5	Brick work Brick work with F.P.S. bricks of first class designation 75 in plinth & superstructure for all level in all shapes and sizes in Cement mortar 1:4 (1cement : 4 coarse sand) including all type of lead / lift, scaffolding, curing complete in all respects. The brick work shall be execute / erected from the proper base - beam / slab, not to be erected on the finished floor – tiles / stone / granite. The works includes cutting of finished floor – tiles / stone / granite from required cutter.				
a	9" thk. Brick Work	250.00	Cft.		
b.	4 ½" thk. Brick Work	250.00	Sft.		
6	Reinforced cement concrete Work Reinforced cement concrete 1: 1 ½: 3 for slab, Beam, Lintel, shelves, mechanically / manually mixed and vibrated including steel reinforcement as per design up to 110 kg per cum including bending, binding & placing in position, centering and shuttering laid in position complete in all respects.	15.00	Cft.		
7	Cement Plaster including Patch / repair work & required Kuccha & dismantalling of existing plaster. 15 mm thk. cement plaster with water proofing compound 1: 4 (1 cement : 4 fine sand & water proofing compound) on brick walls new / old, Facia , Projection balcony, chajja vertical, Horizontal & soffit of slab etc. repair / patch work including required Kaccha with required concrete & shuttring and all type of lead / lift, shuttering & scaffolding for all heights, curing complete in all respects after removal / dismantalling of existing plaster/ all kind of grangular finish - Dana- chapai / tile work / cladding, & disposal of malba to an unobjectionable place upto all lead. The work includes removing of holdings / sinage - as per bank's instructions. Make - (Cement - ACC, Ambuja, Ultratech, JK Cement & Bangur).	15000.00	Sft.		
8	Painting Work – Enamel Paint Applying two or more coats of enamel paint (Asian / Nerolac) on wooden / steel surfaces including filling and making of surfaces smooth with oil based putty required to give even and smooth surface. Rates include cleaning splashes from glass panes, floor, furniture etc. Make - Nerolac, Asian,	1300.00	Sft.		

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9	Exterior Paint - Apex Applying two or more coats of Apex including scraping over new or old surface, making of surfaces with two coats of oil based putty giving even and smoothing surface, removal of splashes, curing etc. complete. Rates include scaffolding for all heights. Payment shall be made only for Sq.foot measurements.	18000.00	Sft.		
10	Drain Chambers - internal size 40 cm (W) x 45 cm to 90 cm (D) deep / as required. Constructing brick masonry drain in cement mortar 1:4 (1 cement : 4 coarse sand) with FRP grating with frame ISI, foundation concrete 1:4:8 mix (1 cement : 4coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 40 cm x 60 cm to 90 cm deep excluding cover With common burnt clay F.P.S. (non modular) bricks of class designation 7.5, the work including following to complete the job.- Note for Payment internal length shall be measured.	40.00	Rft		
i	The works including surface dressing of the ground including removing of all vegetation, excavation of earth upto the required deep or to maintain the adjacent levels of flooring & slop, compacting of earth, dismantling of existing flooring / Chequered tiles & base concrete / PCC, preparing of base surface / under floor & disposal of earth / malba from site to an unobjectionable place & out side of municipal Limits including all kind of leads. The work shall be completed in all respects to the entire satisfaction of the Engineer / Architect.				
ii	Providing and fixing in position pre-cast FRP cover grating with frame of required shape and approved quality				
iii	Neat Plastering with cm 1:3, 12mm thick suitably mixed with approved water proofing compound.				
iv	Haunching with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) & neat plaster 1:3, 12mm thick suitably.				
v	Removing & refixing, laying and making existing kerb channel with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.				
11	150 mm dia PVC casing pipes Heavy duty (6.0 Kgf) - Providing and laying, supplying, fitting and fixing 150 mm dia PVC casing pipes Heavy duty (6.0 Kgf) fittings like bends, sockets, Tee etc. (ribbed screening pipe throughout) plain / beaveled ended conforming to relevant IS code of Supreme / Finolex make including cutting slots at specified intervals of specified length, lowering and fixing in position of casing assembly, jointing with approved quality jointing chemicals, providing and fixing 160mm dia PVC cowel on the free end complete as directed and specified. Including providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) haunches all around of PVC. pipes including bed concrete as per standard design, testing of joints etc. complete. The work including following to complete the job.-	150.00	Rft		

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12	Sump / recharge well & pump room - Construction of UG (underground) sump size internal 6'0" x 6'0" to a depth of 10'0" (below NGL). Including the construction of Pump room of required size of 4'6" x 6'0 x 7'0" as per instructions for housing two automatic motors. Construction of UG sump & motor housing room as per instructions, including the following to complete the job.- . -	1.00	Nos		
i	Surface dressing of the ground including removing of all vegetation, Dismantling / Earth work excavation in all types of soils upto required depth including mud, kankar, murrum & gravel including bailing out of water etc., including all leads and lifts & refilling / supplying, filling, spreading, consolidation of local river sand at site.				
ii	Providing and laying 150 mm plain cement concrete of 1:5:10 in foundation using 40 mm stone aggregate including the cost of centring and shuttering.				
iii	Brick work with F.P.S. bricks of first class designation 75 in plinth & superstructure for all level in all shapes and sizes in Cement mortar 1:4 (1 cement : 4 coarse sand) including all type of lead / lift, scaffolding, curing complete in all respects. The brick work shall be execute / erected from the proper base - beam / slab, not to be erected on the finished floor – tiles / stone / granite. The works includes cutting of finished floor – tiles / stone / granite from required cutter. 9" thk. Brick Work				
iv	Reinforced cement concrete 1: 1 ½: 3 in floor, walls, slab, mechanically / manually mixed and vibrated including steel reinforcement as per design up to 110 kg per cum including bending, binding & placing in position, centering and shuttering laid in position & form work complete in all respects includes following- R.C.C. 1:11/2:3 of 230 mm thickness for top / bottom mat, walls and cover slab including centering shuttering steel complete.				
v	Plastering with cm 1:3, 12mm thick suitably mixed with approved water proofing compound.				
vi	Providing bending, laying, binding & fixing in position MS plain round / TOR steel bars for RCC work at all leads and lifts.				
vii	Haunching with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) & neat plaster 1:3, 12mm thick suitably.				
viii	Providing M.S. foot rests including fixing in Sump wall with 20x20x10 cm @ 250 mm C/C staggerd cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :				
ix	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality - H D - 20, desired / Circular shape 560 mm internal diameter.				
x	Make provisions of PCC platform for mottors in motor room including pipe connections & provisions of MS door - 2 Nos, Complete as per instructions.				

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13	MS Door with frame - Providing and fixing 1.0 mm thick M.S. sheet door shutter 40 x 40x 6 mm angle iron with frame of 40 x 40x 6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners fixed with holdfasts duly embedded in M 20 concrete, all necessary fittings, MS handle both side, required MS hinges, locking arrangements two aldrops both sides, using flats 30 x 6mm for diagonal braces and central cross piece including applying a priming coat of approved steel primer, dismantaling of existing if any all kind of frame with shutters complete.The slit of size 9" x 18" shall be provided / filled as per instructions with 25mm x 25 mm x 2mm IRC fabric Jali welded & diagonal braced with flats 30 x 6mm both wayes. in m. s. shutter for ventilation.	40.00	Sft		

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14	Boring /drilling & providing pipe in bore well - Boring /drilling bore well of required dia for casing / strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart / bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 20 metre depth below ground level includes following.	40.00	Rft		
i	Boring in all kind of soil : 200 mm dia.				
ii	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. : 150 mm nominal size dia. Note - The pipe should be layed 10'0" above water level or maximum given quantity.				
15	Construction of Plateform / Hump (The work to be execute Out side the main gate / boundary wall) - Providing a Plateform of width 15'0" and length 20'0" (to reach a height of 1'6") from ground level (in PCC 1:5:10). The plateform shall be finnished / laying with 60 mm thk. inter locking Paver blocks first quality of approved colour & Shade of size 300 mm X 300 mm made to shapped in floor over 460 mm thk PCC 1:6:12, filling depressions in floor level, the works including required excavation, dismantling of existing flooring, preparing of surface & disposal of earth / malba from site to an unobjectionable place & out side of municipal Limits. The work shall be completed in all respects to the entire satisfaction of the Engineer / Architect. The finish level of paver block is mached the finish floor level of adjucent areas. Note - The existing chain link steel railing to be retained - removing & refixing complete as per existing.	300.00	Sft		

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16	<p>Flooring – Chequered tiles / tiles / matching to existing including Leveling including plingth protection- Providing and laying 20 mm thk. Chequered tiles / matching to existing (shade, colour , thicknes & size) first quality of approved colour & Shade & design of size 300 mm X 300 mm / 400 mm X 400 mm in floor laid on 60 mm. thick 1 :4 cement mortar as per design pattern over 150 mm PCC 1:5:10 & filling of depressions to mentain the floor Level to slop, the works including surface dressing of the ground including removing of all vegetation, excavation of earth upto 300 mm deep or to maintain the adjecent levels of flooring & slop, dismantling of existing flooring / Chequered tiles & base concrete / PCC, preparing of base surface / under floor & disposal of earth / malba from site to an unobjectionable place & out side of municipal Limits including all kind of leads. The work shall be completed in all respects to the entire satisfaction of the Engineer / Architect. The finish level of Chequered tiles is matching with the adjucent level of existing & to slop - two sides for the disposal of strom water. The work includes repairing of adjuscent area.</p> <p>The work includes removing & restor safely from begining to completion of work & refixing, laying and making existing kerb channel with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.</p>	7000.00	Sft.		
17	<p>Repair work of detoreated slab / facia / RCC surface : concrete at the deteriorated location to be repaired should be cut to a depth of 20 mm beyond the reinforcement bars. It should be ensured that all deteriorated or loose concrete within the designated repair area is removed, exposing a sound substrate.</p>	250.00	Sft.		
i	<p>Clean the concrete substrate using wire brushes and, if necessary, sandblasting. Subsequently, wash the surface with a water jet and allow it to dry. If rust is detected on the exposed longitudinal steel reinforcement bars, it should be removed from the entire perimeter of the bar along its full length using hand tools such as chisels, hammers, wire brushes, or abrading cloth /paper. If manual rust removal proves ineffective, sandblasting may be employed under the direction of the Engineer-in-charge.</p>				
ii	<p>Restore the original size and shape of the sections of columns, beams, and slabs using micro concrete of M40 grade. Before placing the micro-concrete, apply an epoxy-based bond coat to the exposed substrate. Micro-concrete, available commercially as a ready-to-use dry material, requires only the addition of clean water at the site to produce a free-flowing, non-shrink repair material. Utilize the 'form and pump' technique for placing the micro-concrete. Erect water tight shuttering around the section to be micro-concreted, and employ a suitable pump for the placement process. For columns, start micro-concreting from the bottom, gradually progressing upwards in stages. For beams / slabs, begin pouring from one end and progress horizontally towards the other end. Ensure curing of the micro-concrete for a minimum period of seven days, adhering to manufacturer's recommendations regarding other aspects of micro concreting.</p>				
	Total				
	GST extra as per applicable				