

PROJECT IMPLEMENTATION UNIT (PIU)
KARACHI NEIGHBOURHOOD IMPROVEMENT PROJECT (KNIP)
AUTOMATION OF CONSTRUCTION PERMITS BY SBCA - REHABILITATION OF
SWF
BILL OF QUANTITIES
SUMMARY

S #	DESCRIPTION	AMOUNT (Rs)
1	Part - A	
	Civil Works	
2	Part - B	
	Plumbing Works	
3	Part - C	
	Electrical Works	
6	Part - D	
	Furniture / Air Condition / Fire Extinguisher	
TOTAL AMOUNT		

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Part - A					
CIVIL WORKS					
1	<p>SHIFTING OF EXISTING FURNITURE, DOORS, PARTITIONS, FRAMES, GRILLS, SHEETS ETC. Carefully removal, handling and shifting all kinds of existing furniture including removal of all kinds of Partitions, Glasses Doors, Windows, Sheets, Steel structure frames, Electrical fixtures, Grills and cabinets with transportation to stores or where required etc. All work to be complete as instruction by the Consultant / Client. <i>(Bidder Should visit the Site before Bid)</i></p>	1	Job		
2	<p>DISMANTLING OF EXISTING BLOCK MASONRY, TILES & FLOOR Dismantling of solid block masonry in cement mortar including the removal of surplus debris, unused material and byproducts to outside the premises with all leads and all lifts etc. All complete as per drawings, specifications and as directed by the Consultant / Client. <i>(Bidder Should visit the Site before Bid)</i></p>	1	Job		
3	<p>EXCAVATION Excavation in foundation and trenches in all kinds of soils including all operations of dewatering, leveling, dressing and ramming the excavation surface and throwing earth clear of edges of excavation, stock piling and backfilling the excavated material in 6" layers in excavated pits, depressions, under the floor or where required within the boundary to and for complete with breaking density and disposal of surplus earth at the designated place within the boundary or as per instructions of Engineer in proper grades, all complete as per drawings, specifications, and as directed by the Consultant / Client.</p>	236	Cft		
4	<p>CONCRETE 1:4:8 Providing and laying plain cement concrete 1:4:8 using S.R cement in foundations, under floor or where require with approved quality 3/4" down graded crush and approved quality sand to give specified strengths including all machine mixing, pouring, compaction & curing including formwork where required, all complete as per drawings, specifications & as directed by the Consultant / Client.</p>	41	Cft		
5	<p>R.C.C 1:2:4 WALLS UPTO PLINTH Providing and laying fairfaced smooth finished reinforced cement concrete 2500 psi with O.P/S.R. Cement in foundation of required shape using appropriate formwork and with approved quality 3/4" down graded crush and approved quality sand meeting with the specifications for required concrete strength and all machine mixing, pouring, rodding, compaction with vibrators and curing etc complete with all measures to produce concrete true to line, levels and plumb (steel reinforcement to be paid separately). All work complete as per drawings, specifications and as directed by the Consultant / Client.</p>				
i)	Foundation / Base	67	Cft		
ii)	Walls upto Plinth	146	Cft		
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BROUGHT FORWARD:					
6	STEEL REINFORCEMENT Providing and fixing steel reinforcement bars including the cost of cleanings, straightening, cutting, bending & placing in position with 18 gauge G.I. binding wire, steel chairs & concrete spacer blocks all complete as per drawings, specifications and as directed by the Consultant / Client. Grade 60	226	Kg		
7	BLOCK MASONRY OF FOUNDATION AND STEPS UPTO PLINTH LEVEL Provide and lay 1:3:6 Mix machine made solid block masonry in (1500 psi) foundation and steps upto plinth level, laid and jointed with 1:6 O.P cement sand machine mixed mortar using approved quality sand. Masonry to be laid in courses true to line, level and plumb and properly cured. All work to be completed as per drawings, specifications and as directed by the Consultant / Client.	586	Cft		
8	BLOCK MASONRY IN SUPER STRUCTURES Providing and laying 1:3:6 Mix machine made solid block masonry (1500 psi) in structure walls, laid and jointed with 1:6 cement sand machine mixed mortar using approved quality screened river sand. Masonry to be laid in courses true the line, level and plumb, properly cured and the external surface of masonry walls to be grinded smooth. Masonry wall abutting R.C.C concrete to be tied with approved, column ties, All work to be completed as per drawing specification and as directed by the Consultant / Client. 4" Thick (Block size 4"x8"x12")	2,120	Sft		
	6" Thick (Block size 6"x8"x12")	1,777	Sft		
9	FAIRFACED BLOCK WALLS Providing and laying machine made size 16"x8"x4" or 16"x8"x6" thick fairfaced block masonry (1500 psi) in structure walls, laid and jointed with 1:6 cement sand machine mixed mortar using approved quality screened river sand. Masonry to be laid in courses true the line, level and plumb, properly cured and the external surface of masonry walls to be grinded smooth. Masonry wall abutting R.C.C concrete to be tied with approved, column ties, All work to be completed as per drawing specification and as directed by the Consultant / Client.				
i)	4" Thick Fairfaced Block Walls	1,448	Sft		
ii)	6" Thick Fairfaced Block Walls	697	Sft		
10	FRAME LESS GLASS DOORS Providing and fixing approved quality 12mm thick tempered glass for frame less single/double shutter swing doors with frosted paper 3 ft high, complete as per drawings, manufacturer's specifications and as directed by the Consultant / Client.	427	Sft		
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BROUGHT FORWARD:					
11	Providing and fixing approved quality Floor Hinges machine for frame less glass doors complete as per drawings, manufacturer's specifications and as directed by the Consultant / Client.	15	Each		
12	Providing and fixing approved quality Door Locks for frame less glass doors complete as per drawings, manufacturer's specifications and as directed by the Consultant / Client.	15	Each		
13	Providing and fixing approved quality Stainless Steel Handle for frame less glass doors complete as per drawings, manufacturer's specifications and as directed by the Consultant / Client.	15	Pair		
ALUMINIUM FIXED GLAZING					
14	Providing and fixing approved quality anodized natural aluminium fixed glazing of suitable standard sections as recommended by the manufacturer for the size of glazing with 12mm thick tempered glass with frosted paper 3 ft high, including all caulking rubber kits etc. complete as per drawings, manufacturer's specifications and as directed by the Consultant / Client.	2,263	Sft		
WOODEN PARTITION WALL					
15	Providing and fixing wooden glazed and louvers Partition fixed in walls / floors comprising of 2" x 3" deodar wood frame with deodar wood louvers ½" thick to be fixed in wooden frame and ¼" thick plain glass properly fixed on louvers. All complete with polishing and as directed by the Consultant / Client.	622	Sft		
SAFETY & SECURITY FILMS					
16	Providing & laying safety & security films 175 micron on glass as per manufacturer's specifications and as directed by the Consultant / Client.	622	Sft		
PORCELINE TILE FLOOR					
17	Providing and laying, fixing and finishing approved quality (Benitoz or equivalent) Porcelain Matt finish tiles (Full Body) size 24" x 24" set with cement neeru and filling the joints with white cement using matching colour pigment over and inclusive 2" thick 1:2:4 concrete setting bed using graded crush stone and approved quality sand. Concrete to be machine mixed, poured, compacted and properly cured. Tiles to be properly fixed as per design shown on drawings with all type of motif including cleaning and polishing etc. All work to be completed as per drawings, specifications and as directed by the Consultant / Client.	10,184	Sft		
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Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
18	<p>MARBLE TILE FLOOR Providing and laying Sec. marble floor with 3/4" thick tiles of approved quality shade and colour machine polished marble set on 1:4 cement sand mortar setting bed over and inclusive of 2" thick 1:2:4 concrete using graded crush stone and approved quality sand, Concrete to be machine mixed, poured, compacted and properly cured. Tiles to be properly fixed as per design shown on drawings with all type of motif including cleaning and polishing etc. All work to be completed as per drawings, specifications and as directed by the Consultant / Client.</p>	1,832	Sft		
19	<p>WOODEN CLADDING Providing and fixing 1/4 inch (6.4mm) thick best quality Shisham wood tongued and groved plain boarding or lining in cornice and chairs rails etc., fixed and including the cost of deodar wood backing 2"x1" (51mmx25mm) with rawal plug and screw etc., all including cleaning, finishing etc. All work to be complete as per drawings, specification and as directed by the Consultant / Client.</p>	250	Sft		
20	<p>PLAIN CONCRETE FINISH FLOOR Providing and laying, steel trowelled smooth finish flooring 2" thick 1:2:4 concrete laid in panels using graded crush stone and approved quality sand, over and inclusive of 4" thick 1:4:8 concrete under bed. Earth filling under the floor and is to be laid 6" (150 mm) layers, dressed and mechanically compacted to 95% AASHTO density. Concrete to be machine mixed, poured, compacted and properly cured. All work to be completed as per drawings, specifications and as directed by the Engineer Incharge.</p>	2,160	Sft		
21	<p>PORCELIN TILES DADO/SKIRTING Providing and fixing approved brand porcelin tiles size (Full Body) 24" x 12" of approved colour/size/design in skirting / Dado as per required height (shown on drawings) set in cement plaster or tile grout material, filling the joints with neat white cement slurry using matching colour pigment or with tile grout as described above. Including 3/8" thick 1:4 cement sand mortar base plaster including all bends, corners etc. All complete work with including finishing, curing, cleaning etc complete as per specification and as directed by the Consultant / Client.</p>				
i)	Skirting	500	Sft		
ii)	Dado	1,354	Sft		
22	<p>2" THICK FAIRFACE BLOCK CLADDING ON COLUMNS & WALLS Providing and fixing fairfaced block cladding size(12" x 6" x 2") shape, quality and approved colors fixed over 3/4" thick rough base 1:4 cement plaster jointed to be filled with 1:4 cement sand mortar including curing finishing all completed as per drawing, specification and as directed by the Consultant / Client.</p>	1,496	Sft		
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Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
BROUGHT FORWARD:					
23	DAMPA FALSE CEILING Providing and fixing Dampa or equivalent aluminum perforated suspended ceiling. All complete as per drawings, specifications and as directed by Consultant / Client.	7,638	Sft		
24	GYPSUM BOARD FALSE CEILING Providing, laying and fixing in position Gypsum board false ceiling comprises of size 4'-0"x8'-0"x½" thick Gypsum board ceiling with 12" wide lasani wood border of approved design from approved manufacturer, and fixing the same, as per manufacturer's instructions including polish/paint. All work completed as shown on drawings or as directed by the Engineer, including all fixing hardware material and fixtures. Also providing opening for electrical/HVAC fitting. All as per drawings, specification and as directed by the Consultant / Client.	1,528	Sft		
25	WOODEN RAFTER FALSE CEILING Providing, making and fixing in position Hollow Wooden Rafter Ceiling 2" x 4" @ 24" c/c with hard board in top & sides as approved design including the cost of paint/polish etc. All work completed as shown on drawings or as directed by the Engineer, including all fixing hardware material and fixtures. Also providing opening for electrical fitting. All as per drawings, specification and as directed by the Consultant / Client.	1,019	Rft		
26	PLAIN CEMENT PLASTER Providing and laying ½" thick 1:4 plaster with cement sand machine mixed mortar, using approved quality screened sand, including all bends, corners, recesses and also including hacking the concrete surfaces and racking the masonry joints and providing 8" wide strip of wire meshat masonry concrete joints, wetting the masonry surface and applying neeru base. All plaster to be finished smooth with steel float in true level, line and plumb and properly cured. All work to be completed as per drawings, specifications and as directed by the Consultant / Client.	7,294	Sft		
27	ALL ROUNDER PAINT Providing and applying 3 coats of approved make, shade all rounder paint (matt finish) including preparation of surface, approved plastron putty filling, wall primer sealer, cleaning and smooth finishing etc. All complete as per drawings, specification, manufacturer's instructions and as directed by the Consultant / Client.	7,294	Sft		
28	WEATHER SHIELD Providing and applying 3 coats of approved quality and shade weather shield paint including all preparation of surfaces and applications as per manufacturer's instructions. All complete as per drawings, specifications and as directed by the Consultant / Client.	3,115	Sft		
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Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
BROUGHT FORWARD:					
29	<p>STEEL FRAME FOR FIBER SHADE WITH GRILL Providing and fixing in position mild steel frame comprising of 6" x 2" hollow steel rafter (18 gauge) @ 2 ft C/C on top for Fiber shed including steel sheet vertical post 6" x 6" (16 gauge) @ 10ft C/C with 2" x ½" Louver patti @ 2" C/C in between post as shown on drawings. Works including the cost of welding, painting 3 coats of enamel paint including the cost on primming coat of red oxide paint, cutting and making good the floor or wall of any kind in cement concrete 1:2:4 etc. fixing post to concrete with M.S. Plate anchored etc. All work to be completed as per drawings, specifications and as directed by the Consultant / Client.</p>	3,668	Sft		
30	<p>FIBER GLASS SHEET ROOF Providing and laying Fiber glass sheet on wooden frame for roof etc., laid with all necessary iron works where required including filling, finishing neatly, scaffolding etc. All complete as per drawings, specifications & as directed by the Consultant / Client.</p>	1,790	Sft		
31	<p>WOODEN DOORS Providing, making and fixing in position wooden doors with 16 gauge moulded sheet metal frame (chowkats) with 2 coats of red oxide paint. 1½" thick solid core shutters with 3 ply (3 mm) thick commercial ply on both sides of deodar wood shutters including 1/4" thick deodar wood lipping, manufactured under power driven hydraulic press. Metal frame shall be filled with concrete and fixed with 4 Nos. 5" long brass hinges to each shutters, and 6 Nos. 6" welded long hold fasts made of flat iron 1-1/4"x3/16" thick with forked ends tarred and with metal frame embeded in masonry and with approved local hardware 2 Nos. 9" long tower bolts and a heavy duty approved quality standard door lock (alpha), approved door stay, and C.P. handles, ½"x2" wide architiave all around door frame and approved polishing or 3 coats of approved enamel paint over a primer coat and termite control and wood preservations applications (solignum) all complete as per drawings, specifications and as directed by the Consultant / Client.</p>	126	Sft		
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BROUGHT FORWARD:					
32	<p>WOODEN DOORS WITH PLASTIC KICK PLATE ON BOTH SIDE</p> <p>Providing, making and fixing in position wooden doors with 16 gauge moulded sheet metal frame (chowkats) with 2 coats of red oxide paint. 1½" thick solid core shutters with 3 ply (3 mm) thick commercial ply on both sides of deodar wood shutters with 12" wide and 1/8" thick plastic sheet on both sides including 1/4" thick deodar wood lipping, manufactured under power driven hydraulic press. Metal frame shall be filled with concrete and fixed with 4 Nos. 5" long brass hinges to each shutters, and 6 Nos. 6" welded long hold fasts made of flat iron 1-1/4"x3/16" thick with forked ends tarred and with metal frame embeded in masonry and with approved local hardware 2 Nos. 9" long tower bolts and a heavy duty approved quality standard door lock (alpha), approved door stay, and C.P. handles, ½"x2" wide architiave all around door frame and approved polishing or 3 coats of approved enamel paint over a primer coat and termite control and wood preservations applications (solignum) all complete as per drawings, specifications and as directed by the Consultant / Client.</p>	123	Sft		
33	<p>CONCRETE COUNTERS</p> <p>Providing and laying fairfaced smooth finished reinforced cement concrete 1:2:4 with O.P Cement in counter / shalves of requird shape using appropriate formwork and with approved quality 3/4" down graded crush and approved quality sand meeting with the specifications for required concrete strength and all machine mixing, pouring, rodding, compaction with vibrators and curing etc complete with all measures to produce concrete true to line, levels and plumb including steel reinforcement. All work complete as per drawings, specifications and as directed by the Consultant / Client.</p>	84	Cft		
34	<p>GRANITE ON COUNTER / STEPS AND RISER</p> <p>Providing and laying first grade Granite stone 1" thick with factory polished Granite without any defect, granite cutting as per drawing and dimensions a sharp edges, as per drawing. granite fix with 1" thick cement mortar 1:2 (1 cement 2 sand) including cleaning with tiles curing etc. complete in all respects and as directed by the Consultant / Client.</p>				
i)	On Counters	491	Sft		
ii)	On Steps & Riser	390	Sft		
35	<p>PEBBLES</p> <p>Supplying, stacking and filling loose verious sizes (minimum 1/2" to 4" size) pebbles in designated areas as per drawings, specifications and as directed by the Consultant / Client.</p>	400	Sft		
36	<p>FIRE PROOF EXIT DOOR</p> <p>Providing & fixing fire proof exit door (size 4'-0" x 7'-0") as per approved manufacture's specification. All complete as per drawings, specifications and as directed by the Consultant / Client.</p>	2	No		
Total Cost of Part - A				Rs.	

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Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Part - B	PLUMBING WORKS				
	TOILET ACCESSORIES				
1	Providing and fixing bath room accessories of set 6 pieces consist of one shelf, one Belgium glass mirror 22"x16" one towel rod with bracket, one towel ring, one soap dish, one tooth Brush holder with glass, one tissue paper holder one double hook etc complete of approved quality as per direction of Consultant / Client.	4	Job		
	LAVATORY BASIN				
2	Providing and fixing 25 inches x 18 inches (635 mm x 457 mm) lavatory basin in white glazed earthenware (Pakistani) complete with & i/c cost of W.I or C.I cantilever brackets into walls, painted white in two coats after a primary coat of red lead paint, bolt kit for wash basin, Tee cock with plastic pipe, C.P 1/2" dia mixer (Medium neck), rubber plug & chrome plate brass chain 1-1/4" dia, C.P brass waste with 1-1/4" dia pipe, malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4.	9	No.		
	EARTHENWARE PEDESTAL				
3	Providing and fixing best available (Pakistani make) white glazed earthenware pedestal.	9	No.		
	uPVC PIPES (INTERNAL WATER SUPPLY)				
4	Providing uPVC pipes, specials and clamps etc., including fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., and testing with water to a pressure haed of 200 feet (61 M). All complete as per drawings, specifications and as directed by the Consultant / Client.				
i)	1/2" inch (15 mm) Inside diameter	300	Rft.		
ii)	3/4 inch.(20 mm) dia pipe	450	Rft.		
iii)	1" inch (25 mm) dia pipe	350	Rft.		
iv)	1½" inch.(40 mm) dia pipe	250	Rft.		
v)	2" inch.(50 mm) dia pipe	150	Rft.		
	POLYDEX (PPRC) PN-20 WATER SERVICES (EXTERNAL UNDER GROUND)				
4	Supplying fixing, testing and commissioning of systems as approved and pipe work required to complete the water supply system approved with poly fusion welding jointing alongwith tees, bends, elbow, sockets etc. including the cost of cutting trench upto 2-1/2 feet (762 mm) deep, refilling, watering, ramming and disposal of surplus earth within one chain, complete in all respects with all accessories as per specification, drawings. All pipes inside dimeter are as given below.				
i)	1" inch.(25 mm) dia pipe	50	Rft.		
ii)	2" inch (50 mm) dia pipe	35	Rft.		
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BROUGHT FORWARD:					
5	<p>SANITARY DRAINAGE Providing, laying and fixing UPVC conforming ASTM D-1785 Schedule - 40 pipes for soil, waste and vent pipe i/c all specials, fittings bends, yes, tees, socket etc. cleanouts, traps, chiseling excavation, backfilling, where required and making good the same, jointing with solvent complete with protection and accessories including testing as specified.</p> <p>i) 2" dia. (50mm dia)</p> <p>ii) 3" dia. (75mm dia)</p> <p>iii) 4" dia. (100mm dia)</p>	50	Rft.		
6	<p>EXTERNAL SEWERAGE WORKS. DRAINAGE SYSTEM R.C.C SEWER PIPE Providing RCC pipes of ASTM C-76, Class II, wall B laying & fixing in trench, including cutting, fitting and jointing with rubber rings including testing with water to specified pressure.i/c Cartage of RCC pipes of any class including loading, unloading and stacking at site. complete.</p> <p>6 inches (150 mm) dia pipe</p>	150	Rft.		
7	<p>GULLAY TRAP Providing and fixing 12" x 12" (300 mm x 300) with 4 inches (100 mm) outlet cement concrete C.I gullay trap wt: 42 lbs. (19 kg) complete with 4 inches thick (100 mm) 1:2:4 cement concrete for bed and kerb, 1/2 inch (13 mm) thick cement plaster (1:3) to the kerb, C.I grating 6 inches x 6 inches (150 mm x 150 mm) and C.I cover and frame 18 inches x 18 inches (450 mm x 450 mm) (inside) etc., complete..</p>	6	No.		
8	<p>GATE VALVES Providing and fixing 1/2 inches (15 mm) dia full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern)..</p> <p>i) 1" dia.</p> <p>ii) 1½" dia.</p> <p>iii) 2" dia.</p> <p>iv) 3" dia.</p>	7	No.		
9	<p>EUROPEAN STYLE W.C Providing and fixing Pakistani approved make best available quality European style white glazed earthenware wash down W.C complete with and including the cost of a plastic seat (PVC cover and buffers 3 galls. (13.6 litres) white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2 inches (40 mm) dia white porcelain enamelled flush bend and making requisite number of holes in walls, plinth and floor pipe connections and making good in cement concrete 1:2:4. All complete as approved by the Consultant / Client.</p>	2	No.		
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10	<p>SQUATTING TYPE TOILET Providing and fixing squatting type (indian) approved toilet in white vitreous china with integral treads (Pakistani) orissa pattern and C.I. trap 100mm dia. Complete with and including the cost of 13.6 litres best quality low level plastic flushing cistern with internal fittings complete, P.V.C. flushing pipe suitable for this type with fittings and making requisite number of holes in walls, plinth & floor for pipe connections and making good in cement concrete 1:2:4 with a white vitreous china 4 inches (100mm) dia trap. All complete as approved by the Consultant / Client.</p>	7	No.		
11	<p>STAINLESS STEEL SINK Providing and fixing approved quality stainless steel sink 33 inches x 18 inches Pak made (Atlas) complete with brass oxidized bolt kit/angle iron brackets built into walls 1/2" dia CP sink mixer 1-1/4" rubber plug and CP brass chain 1-1/4" CP brass waste 1-1/4" dia malleable iron or CP brass bottle trap with malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.</p>	2	No.		
12	<p>BIB/STOP COCK Providing and fixing 1/2" inch dia. (15mm) brass bib cocks. Local make.</p>	8	No.		
13	<p>Providing and fixing chromium plated Muslim bib-cock with out Muslim Shower of approved quality.</p>	20	No.		
14	<p>MUSLIM SHOWER Providing and fixing brass chromium finish, toilet shower. Local make. Including all materials for fixing complete in all accessories as per drawing. Type T.S 1/2 inch.</p>	8	No.		
15	<p>BLOCK MASONRY MANHOLE Providing manholes size 3 feet x 2-1/2 feet (inside dimensions) x 4 feet deep as per approved design and specifications complete for 4 inches to 12 inches dia Pipe 4 feet to 7 feet 5 inches depth with 18" x 18" size and 3" thick precast cover fixed in R.C.C. 1:2:4 slab 6 inches thick, 9 inches thick solid block masonry walls set in 1:4 C.M., 6 inches thick 1:2:4 C.C. in foundation, 1:3:6 C.C. in benching and 1/2 inch thick cement plaster in 1:3 C.M., to all inside wall surface, channels and benching etc. and to top including providing and fixing cast iron foot rest at every foot of depth and making requisite number of main and branch channels complete in all respect.</p>	4	No.		
16	<p>UPVC FLOOR DRAIN Providing and fixing UPVC floor drain/trap including stainless steel grating cover outlet connection complete in all respects. i) Type FD 3 inch dia 80mm outlet size</p>	15	No.		
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Part - C	<u>ELECTRICAL WORKS</u>				
1	SECTION 1: CABLING				
1.1	Providing and fixing of PVC/PVC Copper Conductor unarmored cable 600/1000V grade in PVC/RCC conduit complete in all respect as per drawings and specifications.				
(a)	2X4C-70 Sq.mm. CU.PVC + 2X1C-35 Sq.mm. CU/PVC/YG/ECC fed from Ex Lt Panel to MDB-01.	100	Rft.		
(b)	4C-10 Sq.mm. CU.PVC + 1C-6 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-Lights-01	65	Rft.		
(c)	4C-10 Sq.mm. CU.PVC + 1C-6 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-Lights-02	165	Rft.		
(d)	4C-35 Sq.mm. CU.PVC + 1C-25 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-Raw Power -01	65	Rft.		
(e)	4C-35 Sq.mm. CU.PVC + 1C-25 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-Raw Power-02	165	Rft.		
(f)	4C-35 Sq.mm. CU.PVC + 1C-25 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-UPS-01	65	Rft.		
(g)	4C-35 Sq.mm. CU.PVC + 1C-25 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-UPS-02	165	Rft.		
(h)	4C-35 Sq.mm. CU.PVC + 1C-25 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-Split AC Unit-01	65	Rft.		
(i)	4C-35 Sq.mm. CU.PVC + 1C-25 Sq.mm. CU/PVC/YG/ECC fed from MDB-01 to DB-Split AC Unit-02	165	Rft.		
2	SECTION 2: L.T. SWITCH BOARDS				
2.1	Supply and Installation of the following DBs as per drawing complete in all respect. The DBs shall comply with & IEE regulations suitable provisions shall be provided for incoming cable and outgoing circuits conduits. Work includes fixing and termination of all circuit wires using termination material and required.				
(a)	MDB-01	1	No.		
(b)	DB-Lights-01	1	No.		
(c)	DB-Lights-02	1	No.		
(d)	DB-Raw Power-01	1	No.		
(e)	DB-Raw Power-02	1	No.		
(f)	DB-UPS-01	1	No.		
(g)	DB-UPS-02	1	No.		
CARRIED FORWARD:					

PROJECT IMPLEMENTATION UNIT (PIU)
KARACHI NEIGHBOURHOOD IMPROVEMENT PROJECT (KNIP)
AUTOMATION OF CONSTRUCTION PERMITS BY SBCA - REHABILITATION OF SWF

BILL OF QUANTITIES

Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
BROUGHT FORWARD:					
(h)	DB-Split AC-01	1	No.		
(i)	DB-Split AC-02	1	No.		
SECTION 3: LIGHT FIXTURES AND FANS					
3.1	Installation of the following type of light fixtures and Fans as per drawings with hanging supports and accessories complete in all respect				
a)	(1X4) LED-TL-ELITE (40Watts) Phillips	50	No.		
b)	1X24W Energy Saver	350	No.		
c)	Emergency Exit Light (10 Watts) Phillips	14	No.		
d)	12" inch dia Exhaust Fan	10	No.		
e)	2X2 50 W Far- Ceiling Fan	100	No.		
f)	AC Floor Standing Units (4.0TR)	17	No.		
g)	AC Split Units(2.0TR)	4	No.		
g)	AC Split Units(1.5TR)	5	No.		
SECTION 4: CIRCUIT, POINTS WIRING AND WIRING DEVICES					
4.1	Supply, installation, testing & commissioning of following items including all material, tools, labor & accessories required for completion of work as per & drawings. Complete in all respects.				
(a)	Circuit wiring from DB to switchboard with 2x2.5 sq.mm + ECC 1x2.5 sqmm, 1-core PVC wires including any wiring between switch boards to switch board in 25mm dia PVC Conduit.	1,500	Rft.		
(b)	Wiring for light point from switch board to first light point with 1.5 sq.mm common neutral of 2.5 sq. mm. and common ECC of 1.5 sq. mm + wires in 25mm dia PVC Conduit as shown on drawings.	1,000	Rft.		
(c)	Same as above but wiring from light point to point.	500	Rft.		
4.2	Supply and Installation of following gang switches, plates mounted on 1.5 mm thick sheet steel/PVC back boxes concealed in wall complete in all respect.(For Piano ON/OFF Button and Fan Dimmer)				
(a)	10 A one gang - 1 way	12	No.		
(b)	10 A two gang - 1 way	12	No.		
(c)	10 A three gang - 1 way	12	No.		
(d)	10 A four gang - 1 way	12	No.		
CARRIED FORWARD:					

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BILL OF QUANTITIES

Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
BROUGHT FORWARD:					
4.3	Supply and fixing of wiring with 3 core 4 mm ² in 25 mm dia PVC conduit 13/15 amps 3 pin socket outlet complete as per drawing and specifications.	5,000	Rft.		
4.4	Supply and fixing of wiring with 3 core 6mm ² for Split AC uniit in 25 mm dia PVC conduit 20 amps 3 pin socket outlet complete as per drawing and specifications.(For 1.5 and 2.0 Tr Split AC uniit)	1,000	Rft.		
4.5	Supply and fixing of wiring with 4core 10mm ² + 1core 6mm ² Ecc for Split AC uniit in 35 mm dia PVC conduit 32 amps 3 pin socket outlet complete as per drawing and specifications.(For 4.0 Tr Split AC uniit) Floor Mounted	1,500	Rft.		
4.6	Supply, fixing and connecting of 13/15/20 amps 3 pin other sockets outlet and hand dryer complete as per drawings and specifications.				
(a)	13/15A single socket outlet for UPS	100	No.		
(b)	13/15A single socket outlet for Raw Power	250	No.		
(c)	20A Isolater (For 1.5 and 2.0 Tr Split AC uniit)	10	No.		
(d)	32A Isolater (For 4.0 Tr Split AC uniit)Floor Mounted	17	No.		
5	EARTHING PIT				
5.1	Supply, installation and Construction of 40 feet Deep Earthing Pits, Earthing rods and earth test clamp, Civil works,materials and testing for Equipments (Neutral and Body) as per details shown on drawing complete in all respect.	1	No.		
6	MISCELLANEOUS WORKS				
6.1	Supply and installation of hand dryer as per approved manufacturers complete in all respect. As per drawings and specifications.	5	No.		
6.2	Supply and installation of floor outlet boxes (UPS, RAW Power, telephone, lan / internet sockets) as per drawings and specifications complete in all respect. Note (see details in drawings) as per drawings and specifications complete in all respect.	15	No.		
CARRIED FORWARD:					

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AUTOMATION OF CONSTRUCTION PERMITS BY SBCA - REHABILITATION OF SWF

BILL OF QUANTITIES

Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)	
BROUGHT FORWARD:						
6.3	Supply and installation of heavy duty G.I. cable tray with elbows, tees and all suspension accessories (rod, iron brackets etc. as per drawings and specifications complete in all respect. (If required as per SITE conditions)					
(a)	16 s.w.g. perforated cable tray with 18 s.w.g. cover 6" wide x 4" deep cable tray. (If required as per SITE conditions)	100	Rft.			
(b)	16 s.w.g. perforated cable tray with 18 s.w.g. cover 1'-0" wide x 0'-6" deep cable tray. (If required as per SITE conditions)	100	Rft.			
64	Implementation of Environmental Safeguards including Person Protection & training to Labour	1	Job.			
7	<p>DIESEL ENGINE DRIVEN ELECTRIC GENERATING SET</p> <p>150 KVA, 400 V, 3 phase, 4-wire, 50 Hz, 0.8 PF @ 1500 RPM, incorporating DIESEL ENGINE coupled to ALTERNATOR, starting batteries, exhaust silencer, control panel with Protections Load output circuit Breaker panel, sound proof canopy and standard manufacturer handbook (Technical Operation & Maintenance Manual).</p> <p>Supply Laying & termination power cable 2X70mm², 4 core (as per actual)</p> <p>Earth continuity Cable 1 core, 70 mm² (as per actual)</p> <p>Control cable 2.5mm, 3 core (as per actual)</p> <p>Making of Earth pit for the neutral & body of Genset</p> <p>Making of foundation Pad (C.C)</p> <p>ATS (Auto Transfer Switch)</p> <p>Neoprene Sheet</p> <p>Grand Total for Supply, Installation, Testing and commissioning of Genset (Complete Job)</p> <p>(One Year maintance should be include in rates)</p>	1	Job			
Total Cost of Part - C					Rs.	

PROJECT IMPLEMENTATION UNIT (PIU)
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AUTOMATION OF CONSTRUCTION PERMITS BY SBCA - REHABILITATION OF SWF

BILL OF QUANTITIES

Sr. No.	Description	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Part - D	<u>FURNITURE</u>				
	Supply and Providing of Furniture stated in the specific item of the Bill of Quantities includes all types of material, including transportation of finished furniture to the required site for the following items complete in all respect as per drawings/Picture /approved sample, technical specifications, miscellaneous details as per Drawings/Design and Architect/Interior Designer instructions.				
1	Sr. Executive Director Table	1	No.		
2	Executive Director Racks	1	No.		
3	Office Table	16	No.		
4	Side Racks	24	No.		
5	Centre / Side Table	2	No.		
6	Ward Robe / Cub Board	6	No.		
7	Stainless Steel Seats of Waiting Area	60	No.		
8	Stainless Steel Centre Table with glass in Waiting Area	12	No.		
9	Sofa Sets				
i)	Single Setter	2	No.		
10	Staff / Visitors Chairs	80	No.		
11	Executive Chairs	1	No.		
12	Conference Table	1	No.		
13	Conference Revolving Chairs	14	No.		
14	Cafeteria Counter	3	No.		
15	Stool	4	No.		
16	32" LED TV	3	No.		
17	Fire Extinguisher	20	No.		
18	Planters	11	No.		
19	Trash Bin	20	No.		
Total Cost of Part - D				Rs.	