Name of work: REPAIR / RENOVATION WORK FOR CTD BACHELORS BARRACK NO. 6 AT SRP BASE-I, SAEEDABAD, KARACHI.

SCHEDULE BOOK DOCUMENT

CIVIL WORKS SCHEDULE ITEMS PART (A):

S.NO	Descriptions	Quantity	Rate	unit	Amount
1	Dismantling cement block masonry. (SI.14 / P-10).	2497.33	1134.38	%Cft	28329.21205
2	Dismantling cement concrete plain 1:4:8. (SI.19-a/P-10)	7338.78	1663.75	%Cft.	122098.9523
3	Dismantling glazed or encaustic tiles etc (SI.55 / P-13).	3542	786.5	%Sft	27857.83
4	Removing door with chowkats.(SI.33-a /P-12).	85	142.18	Each	12085.3
5	Removing window and sky light with chowkats (33-b P/12).	60	102.85	P. No.	6171
6	Scraping (b) Ordinary distemper oil bound distemper or Paint on Walls. Only 70 % allowable (SI.54-(b) / P-13).	26840	226.88	%Sft	60894.592
7	P/L 1:3:6 cement concrete solid block masonry wall below 6" in thickness set in 1:6 cement mortar in ground floor super structure in/c raking out joints & curing etc complete. (SI.24/P-19)	5399	15771.01	%Cft.	851476.8299
8	Cement plaster 1:4 upto 12' height of 3/8" thick (SI-11-C/P-52)	19558	2197.52	%Sft	429790.9616
9	Cement plaster 1:6 upto 12" height (b) 1/2"thick.(SI.13-b/P-52)	19558	2206.6	%Sft	431566.828
10	Providing and fixing G.I frames /Choukhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I sheet in/c welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also in/c all carriage, tools and plants used in making and fixing. (SI.29/P-93).	472.5	228.9	P/Rft	108155.25
11	P/F GI expanded metal 2/32 (20-gauge) fixed to chowkats with 3/4" deodar strips and screws. (SI.67/PP-66)	525	178.68	P/Sft	93807
12	P/F welded wire mesh square shape (1/2-18 gauge) with coating fixed to chowkats with 3/4" deodar strips and screws (SI.68-A/P-67)	525	155.58	P/Sft	81679.5
13	P/F in position doors windows and ventilators of 1st class deodar wood frames and 1-1/2" thick teak wood ply shutter of 2nd class deodar wood skeleton (solid) styles and rails core of partal wood and teak ply wood (3 ply) on both sides in/c hold fasts hinges iron tower bolts handles and cleats with cord etc complete. (SI.57/P-65)	861	1182.56	P/Sft	1018184.16
14	Providing and fixing 3/8" thick marble tiles of approved quality and colour and shade size 8" x 4" /6 x 4" in dado skirting and facing removal /tucking of existing plaster surface etc. Over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filing the joints and washing the tiles with white cement slurry, currant finishing, cleaning and polishing etc. complete. (i) For new works.(SI.68(I) / P-49).	2602	186.04	P/Sft	484076.08
15	Laying floors of approved coloured glazed tiles ¼'' thick laid in white cement and pigment on a bed of ¾'' thick cement mortar 1:2 (SI.25 / P-43)	2514	27747.06	%Sft	697561.0884
16	White glazed tiles ¼'' thick dado jointed in white cement and laid over 1:2 cement sand mortar ¾'' thick including finishing. (SI.37 / P-45)	3795	28253.61	%Sft	1072224.5
	Tile skirting lain in 1:2 cement mortar over ¾'' thick cement mortar 1:2 including cement washing and filling joints	91.41	13108.37	%Sft	

18	Supplying and fixing false cailing of plaster of paris, in panels including making frame work of Deodar wood including painting with Soligia paint.(SI.52 / P-64).	1865.57	25293.42	%Sft	471866.4555
19	Priming coat of chalk distemper. (SI.23 / P-54).	8365	442.75	%Sft	37036.0375
20	Distempering two coats (SI.24b / P-54)	8365	1043.9	%Sft	87322.235
21	Preparing the surface and painting with matt finish in/c rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of Paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make et complete (old surface) (B) 2nd & subsequent coat. (SI.37-A+B)/P-55) (Two coats)	22541.34	1772.38	%Sft	399518.2019
22	Preparing the surface and painting with weather coat in/c rubbing the surface with rubbing brick / sand paper filling the voids with chalk/plaster of Paris and then painting with weather coat of approved make (B) 2nd & subsequent coat. (SI.38-A+B+B/P-56)	7437	2567.95	%Sft	190978.4415
23	P/L 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (c) 2" thick. (SI.16-d/P-42)	3687	3275.5	%Sft	120767.685
24	P/F Iron Steel grill using solid square bars of size 1/2" x 1/2" placed @ 4" and frame of flat iron pati of 3/4"x3/4" in/c circle shape at 1'-0 apart equivalent fitted with screws are pins in/c painting 3 coats with 1st coat of red oxide paint etc. (SI.30/P-94)	830.25	194.16	P/Sft	161201.34
25	P/F cement paving blocks flooring having size 197x97x60 (mm) of city / quddra / cobble shape with having strength b/w 5000 psi to 8500 psi in/c filling the joints with hill sand and laying in specified manner / pattern and design etc complete. (SI-71/P-49)	7830	199.77	P/Sft	1564199.1
26	R.C.C. spout including fixing in position 2-1/2x6"x5" (SI.14/P-18)	12	261.25	P/Nos	3135
27	Providing Anti-terminate treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as an overall pre-construction treatment in slab type under the slab and along attached perches or entrance etc, complete as per directions of Engineer Incharge. (SI-91/P-109)	12534	40.1	P/Rft	502613.4
28	painting new surfaces: 5-C preparing surface and painting of doors and windows any type (i) priming coat (ii) each subsequent coat of paint. (SI-5c/P-70)	830.25	2116.41	%Sft	17571.49403
29	French polishing on new works.(SI-7a/P-71)	861	3841.75	%Sft	33077.4675
		Total Amount Part (A):			9127228.303

ELECTRIC WORKS SCHEDULE ITEMS PART (B):

S.NO	Descriptions	Quantity	Rate	unit	Amount
1	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (¾") PVC conduit recessed in the wall or column as required.(SI.126 / P-15).	90	985	P.Point	88650
2	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (¾") PVC conduit recessed in the wall or column as required.(SI.124 / P-15).	100	1130	P.Point	113000
3	P/F (Main or Sub-Main) PVC insulated with size 4-7 /.064 (16mm2) copper conductor in 1-1/2" dia PVC conduit on surface (SI.35 / P-5).	120	1169	P.Meter	140280
	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-3/.029				

5	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-3 /.36 copper conductor in ¾" dia PVC conduit recessed in the wall or column as required. (SI.9 /P-2)	200	191	P.Meter	38200
6	P/L (MAIN or SUB MAIN) PVC insulated & PVC Sheeted with single core copper conductor 300/500volts size 2-7/.044) (SI 55 / P-7)	200	213	P/Meter	42600
7	Providing & Fixing three pin 10 / 15 Amp Plug & Socket.(SI.224 / P-33).	75	151	Each	11325
8	Providing & Fixing three pin 5 Amp Plug & Socket.(SI.226 / P-33).	90	151	Each	13590
9	Providing & fixing three pin 10/15 amp plug & socket flush type.(SI.227 / P-33).	100	162	Each	16200
10	P/F ammeters size 96/96mm Direct 15A, 30A,50A,60A, & 100A as required & as per instruction of EI. (SI.284/P-41)	4	1054	P/ No.	4216
11	Wiring for call bell point with 3/.029 PVC insulated wire in 20mm (¾") PVBC conduit on surface as required.(SI.127 / P-15).	4	1380	P.Point	5520
12	P/F DP I/C change over switch 500 volts 300 amp on prepared board, (SI.199/P-30)	2	11506	P/No.	23012
13	P/F holder for 125 watts light @ as per site requirement & instruction of Engineer Incharge. (SI.189/P-29)	60	203	P/ No.	12180
14	P/F circuit breaker 6,10,15,20,30,40,50, & 63 amp DP (TB-5S) on prepared board as required or terasaki or equivalent. (SI.204/P-31)	8	2456	Each.	19648
15	Providing & fixing one way SP 5-Amp switch surface type.(SI.216 / P-33).	120	34	Each	4080
16	Providing & Fixing channel patti 3/4" as directed as per instruction of engineer Incharge. (SI.296/P-43)	150	40	P/Rft.	6000
17	Providing & Fixing channel patti 1" as directed as per instruction of engineer Incharge. (SI.297/P-43)	200	45	P/Rft.	9000
18	Providing & fixing one way SP 5amp switch flush type (33/219)	50	54	P/ No.	2700
19	P/F two way SP 5-amp switch flush type (SI.220/P-33)	75	55	P/No	4125
20	Providing & fixing one way SP 10 / 15amp switch surface type.(SI.218 / P-33).	120	58	Each	6960
21	P/F circuit breaker 15, 20, 30, 40, 50, & 60 amps TP (XE-100CS (CB) on prepared board as required (SI.206 / P-31).	2	5521	Each	11042
22	P/F voltmeter size 96/96 mm 500 volt as required & as per instruction of Engineer Incharge.(SI.285/P-41)	2	999	Each	1998
		Total amount:			**605466**
		Add 10% above			**60547**
		Total amount of Part B:			**666013**

SANITARY WORKS SCHEDULE ITEMS PART (C):

S.NO	Descriptions	Quantity	Rate	unit	Amount
1	S/F soap tray of made plastic of superior quality and design with fine finishing with CP screws etc complete.	8	169.4	Each	1355.2
2	Providing & fixing chrome lated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws.(II) Towel rail 30" long. (a) ¾" dia round or square (Standard Pattern). (SI.01-II+a / P-07).	8.	1082.95	Each	8663.6
3	(a) S/Fixing long bib-cock of superior quality with c.p head ½" dia. (SI.13-a / P-19).	8	1109.46	Each	8875.68
4	Supplying & fixing Bath room accessories set(7-piece) in/c towel rod, brush holder soaptray shelf of approved design in/c cost of screws, nuts etc complete. (Master Brand). (SI.23 / P-19).	8	10322.4	Each	82579.2

5	Providing & fixing European white glazed earthen ware wash down W.C pan complete with and in/c the cost of white/black plastic seat (Best Quality) and lid with C.P. brass hinges and buffers, 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1-1/2" dia white porcelain enameled flush bend ¾" dia and making requisite number of holes in walls, plinth and floor for Pipe connections and making good in cement concrete 1:2:4 (Foreign Quality).(SI.5 / P-2)	14	11477.4	Each	160683.6
6	Providing and fixing handle valves 1/2" dia (China).SI.05-i / P-17)	6	200.42	Each	1202.52
7	Providing and fixing handle valves 3/4" dia (China).SI.05-ii / P-17)	6	271.92	Each	1631.52
8	Providing and fixing handle valves 1" dia (China).SI.05-iii / P-17)	6	365.42	Each	2192.52
9	P/L 24"x18" bevalled edge mirror of Belgium glass complete with 1/8" thick hard board and CP screws fixed to wooden pleat (b) superior quality (SI3-b/P-07)	8	2376	P/No	19008
10	Providing & fixing 6"x2" or 6"x3" C.I floor trap of the approved selt cleaning design with a C.I screwed down granting with or without a vent arm complete with & I/c making requisite number of holes in walls, plinth & floor for Pipe connections & making good cement concrete 1: 2: 4. (SI.20 / P-06).	8	2042.43	Each	16339.44
11	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent).(SI.11 / P-3).	8	2533.47	Each	20267.76
12	Supplying & fixing sink mixture cock of superior quality with c.p head etc complete. (SI.17 / P-19).	2	2745.6	Each	5491.2
13	S/F fiber glass tank of approved quality & design and wall thickness as specified in/c cost of nuts bolts and fixing in plate form of cement concrete 1:3:6 and making connection for inlet & out let & over flow pipes etc complete. (SI.3-C /P-21) 500 gallons	2	37505.42	Each	75010.84
14	(b) Supplying / Fixing wash basin mixture of superior quality with C.P head ½" dia. (SI.14-b / P-19).	8	3179	Each	25432
15	(a) Supplying & fixing C.P Muslim Shower with double Bib cock & ring Pipe etc complete. (SI.19(a) / P-19).	8	3432	Each	27456
16	Supplying and fixing in position brass bib cocks ¾" dia brass bib cock, Light pattern. (SI.1-ii-a / P / 16).	8	337.92	Each	2703.36
17	Providing & fixing in position nyloon connections complete with ½" dia, brass stop cock with pair of brass nuts and lining joints to nyloon connection. (SI. 23 / 06).	18	447.15	Each	8048.7
18	Providing & fixing 24" x 18" lavatory basin in white glazed earthen ware complete with & in/c the cost of W.I or C.I cantilever brackets 6 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of ½" dia rubber plug & chrome plated brass chain 1-1/4" dia, malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for Pipe connections and making good in cement concrete 1:2:4 (Foreign or Equivalent) (SI.10 / P-3)	8	4928	Each	39424
19	Cancelled C.P. fittings of Superior quality for tiles Bath Rooms.(b) S/Fixing cancelled stop cock of superior quality with C.P. head ½" dia.(SI.11(b) / P-18).	8	509.74	Each	4077.92

20	P/F steel sinks stainless local make complete with cast iron or wrought iron brackets 6 inches built in wall 1-1/2" C.P. rubber plug chrome plated brass chain 1-1/2" C.P. brass waste, with 1-1/2" PVC waste pipe & making requisite number of holes in wall & plinth &floor for pipe connection & making good in cement concrete 1:2:4. (b)Steel sink stainless steel sized 36"x18" local make (standard pattern) (SI.19-b/P-6)	2	5162.3	Each.	10324.6
21	Providing chambers 15" x 19" (Inside dismensions) x24" deep for house meters with 6" thick C.C.1:3:6 blocks set on 1:6 cement mortor 6" thick C.C 1:4:8 in foundation, ½" thick cement plaster 1:3 to all inside wall surface and to top 1" thick C.C.1:2:4 flooring complete with hinged cast iron cover and frame 15"x9" (inside) clear opening (Wt-Qr) etc. fixied in cement concerete 1:2:4 including curing excavation back filling & disposal of surplus earth etc. complete.(SI.2 / P-20)	4	5913.22	Each	23652.88
22	(a). S/Fixing canceled tee-stop cock of superior quality with C.P head ½" dia. (SI.12-a / P-18).	8	843.92	Each	6751.36
23	(b) Supplying & Fixing swan type piller cock of Superior quality with crystal head. ½" dia. (SI.16(b) / P-19).	8	877.8	Each	7022.4
		Total Amount:			**558194.3**
		Add 15% above:			**83729**
		Total Amount of Part (C):			**641923.3**

NON-SCHEDULE ITEMS PART (D):

S.NO	Descriptions	Quantity	Rate	unit	Amount
1	P/L Porcelain Master granite or Nationals Tiles or Spanish tiles glazed or matt glazed or equivalent, jointed in white cement and laid over 1:2 grey cement sand mortar ¾" thick in/c finishing & filling of joints with slurry of white cement or tile grout in desired shape in/c cutting of tiles to proper profile (on floor or facing) size 20"x20"x1/4"	4337		P/Sft	
2	Supplying and fixing in position Aluminum channels framing for hinged doors of Lucky or equivalent made with 5mm thick tinted glass glazing (Belgium) and ALPHA (Japan) locks in/c handles, stoppers etc complete. (b) Deluxe Model (Bronze of Champion color)	210		P/Sft	
3	Supplying and fixing in position Aluminum channels framing for sliding windows & ventilators of Lucky or equivalent made with 5mm thick tinted glass glazing (Belgium) and aluminum fly screen, handles, stoppers and locking arrangement etc complete. (b) Deluxe Model (Bronze of Champion color)	486		P/Sft	
4	P/F marble top 1" thick (botesina or teravera or equivalent) having size upto 8'-0x2'-0 in/c cutting into proper size, making round gola & cutting for fixing vanity basin or sink bowl and filling joints with white cement or jelly in/c grinding and chemical polishing etc complete as directed by the Engineer Incharge	270		P/Sft	
5	Removing of existing plaster from ceiling and applying floating coat of cement on ceiling surface 1/8'' thick then ¾'' thick plaster 1:4, 1'' coat and ½'' thick cement plaster as 2'' coat in ration 1:4 in/c surface finishing curing etc complete. The cost in/c necessary scaffolding wooden planks or drums as directed by the engineer incharge	2552.25		P/Sft	

6	Water proofing of roof by means of chemical by using latex solution by supplying 1'' coat of uni bond 2860 adhesive, 2nd cost of Aqua seal 2010/11 3rd coat of uni-bond+aqua seal mixture then filling the cracks with uni-bond then supplying 2/3 coats as per requirement of aqua seal to have rubber like surface etc complete as directed by the Engineer Incharge.	12047		P/Sft	
7	P/F wall bracket fan 18" dia of approved make & quality (Royal/Pak, Millat or equivalent) in/c fixing on wall as directed by the Engineer Incharge	12		Each	
8	P/F ceiling fan 56" sweep Pak/Royal/GFC or equivalent deluxe model in/c carriage from shop to site of work, fixing & necessary lead connection as directed by the Engineer Incharge.	24		Each	
9	P/F fan dimmer of ceiling fan Pak / Royal / GFC of approved quality & make as directed by the Engineer Incharge	24		Each	
10	P/F wooden cabinet with shutter and back shelves by using laminated lassani sheet 3/4" thick and frame work of 1st class partal wood 2"x1" with 18" deep box in/c providing & fixing wooden leaping or gola around lassani shutter or making gola by router in approved design & shape & polishing it. The cost in/c necessary hinges, catchers, handles, sliding wheels in draws, nails, screws, draws locks etc. The cost also in/c necessary tools and plants to be used in making etc complete as directed by the Engineer Incharge.	150		P/Sft	
11	S/F LED spot light China make with 7 Nos lamps each 6 watts fitted on walls, ceiling of approved quality as directed by the Engineer Incharge	48		Each	
12	P/M Graffito paint to wall surface to provide durable & aesthetic surface having thickness between 1.6 – 2.0mm in specified color / shade & working upto height of 90-0' using scaffolding as directed by the Engineer Incharge.	10422		P/Sft	
13	P/F water motor pump 7-1/2 HP with Siemens Motors three phase 400 volts 2800 RPM 50-HZ of approved quality with Javed pump 2"x1/2"x2" suction & delivery & metal base frame fitted with required size of nuts & bolts on CC platform in/c construction with CC 1:2:4 to required size 12" height in/c finishing, curing, carriage of motor pump from shop to site & fixing as directed by the Engineer Incharge.	1		Each	
14	P/F CPVC water supply pipe of AGM or Pak Arab or equivalent with all necessary fittings like elbow, bend, tee etc. This includes fixing on walls with clamps or Jubilee clips upto height of 50'-0 in vertical or horizontal position using Jhoola or long ladder or scaffolding and jointing pipe & fittings with approved solvent / JTG solution. The rate includes all cost of labour, material, and cartage, as directed by Engineer Incharge **1/2'' dia**	100		P/Rft	
15	P/F CPVC water supply pipe of AGM or Pak Arab or equivalent with all necessary fittings like elbow, bend, tee etc . This includes fixing on walls with clamps or Jubilee clips upto height of 50'-0 in vertical or horizontal position using Jhoola or long ladder or scaffolding and jointing pipe & fittings with approved solvent / JTG solution. The rate includes all cost of labour, material, and cartage, as directed by Engineer Incharge **3/4'' dia**	175		P/Rft	

16	P/F UPVC water supply pipe of AGM or Pak Arab or equivalent without fittings which will be paid separately. This includes fixing on walls with clamps or Jubilee clips upto height of in vertical or horizontal position using Jhoola or long ladder or scaffolding and jointing pipe & fittings with approved solvent / JTG solution. The rate includes all cost of labour, material, and cartage, as directed by Engineer Incharge **2" dia**	200		P/Rft	
17	P/F UPVC water supply pipe of AGM or Pak Arab or equivalent with all necessary fittings. This includes fixing on walls with clamps or Jubilee clips upto height of in vertical or horizontal position using Jhoola or long ladder or scaffolding and jointing pipe & fittings with approved cement solvent / JTG solution. The rate includes all cost of labour, material, and cartage, as directed by Engineer Incharge **1" dia**	300		P/Rft	
18	P/F RCC pipe 12" dia with collar of class *B* for sewerage line in/c excavating the trench of required dia and depth and then laying pipe in trench jointing and refilling excavated stuff as directed by the Engineer Incharge.	300		P/Rft	
19	Construction of manhole or inspection chamber 2'-0x2'-0 & upto 5'-0" inside depth dimension for required dia of circular sewer with walls of solid block masonry 1:3:6 set in 1:6 cement sand mortar 6" thick with 6" thick C.C. 1:4:8 in foundation, ½" thick plaster in 1:4 ratio to all inside wall surface & to top 1" thick C.C. flooring etc including, curing, excavation, back filling & disposal of surplus earth as directed by the Engineer Incharge	9		Each	
20	P/F RCC main hole cover of 3" thickness embedded with angle iron frame 1-1/2"x1-1/2"x1-1/4" and bars of 3/8" dia mild steel placed at 6" i/c both way i/c handle in centre for lifting poured with C.C. 1:2:4 in/c curing, finishing etc complete.	36		P/Sft	
21	Removing debries from Building in/c collecting from different floors, throwing to stair to ground floor at proper place and then loading on truck and throwing out of city government premises, fuel & hire charges of truck, loading & unloading etc complete	12		P/Truck	
22	P/F fine quality roller type blind with approved design false & in/c steel angle fixing with steel screws as per window as required @ site as directed by the Engineer Incharge	486		P/Sft	
		Total Amount of Part (D)			

Grand Total amount in Rupees (A+B+C+D)

Grand Total amount in Rupees:

Or say in Million

TERMS AND CONDITIONS

1. Any typographical errors in the Schedule B are subject to the correction with Reference to the Schedule of rate General
2. Arbitration clause stands deleted from the agreement.
3. No premium shall be paid on a Non schedule items.
4. 100% Well Graded crushed bajri shall be used in items of work without any extra payment.
5. All sample of items should be got approved by the Engineer Incharge.

(HAFIZ SAFDAR SHAIKH)

Assistant Engi