

**NAME OF WORK:- STRENGTHENING & IMPROVEMENT OF SINDH GOVERNMENT
HOSPITAL REHRI GOTH, KARACHI.**

" S C H E D U L E 'B' " / QUNATITY OF BILL

S.No.	Item of work	Quantity	Rate	Unit	Amount
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(PART A MAIN BUILDING) Hospital Buildings

Part (i) GROUND FLOOR: (CIVIL WORK)

1	Applying chemical polishing on existing mosaic / Marble flooring / dado including cleaning, grinding with carborandum stone / sand paper and applying chemical polish as per requirement. (S.I.No.70/P-49)	11729.25 Sft	36 / 60	P.Sft.	429,291 /-
2	Preparing the surface and painting with weather coat I/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. 3 coats (38-I+ii P-56).	7275.00 Sft	2567 / 95	%Sft.	186,818 /-
3	Distempering in three coats.(S.I.No. 24 -c P-54).	12521.00 Sft	1079 / 65	%Sft.	135,183 /-
4	Preparing surface and paintin with Emulsion Paint three coats.(S.I.No.40 a+b(i+ii+iii)P-56)	26819.50 Sft	2237 / 95	%Sft.	600,207 /-
5	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(i+ii+iii P-70).	3083.00 Sft	2116 / 41	%Sft.	65,249 /-
Total Rs:					1,416,748 /-

Above/below

%

Part (i) Ground Floor Total.

PART (ii) GROUND FLOOR

1	Providing and fixidng in position Door windows and ventilators of first class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd: class deodar wood skeleton (solid) styles and rails core of partal wood and teak ply wood (3 Ply) on both sides I/c hold fasts hinges iron tower bolts handles and cleats with cord etc complete. (51 P-64).	358.50 Sft	1245 / 96	P.Sft	446,677 /-
2	Laying white marble floring find dressed on the surface without winding set in lime mortar 1:2 includidng rubbing and polishing and joints (a) 3/4" thick.(S.I.No. 28-a P-43).	120.00 Sft	567 / 48	P.Sft	68,098 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
3	P/F 3/8" thick marble tiles of approved quality and colour shade size 8"x4" or 6"x4" dado skirting and facing removal / tucking existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base I/c filling the joints and washing the tiles with white cement slurry curing finishing cleaning and polishing to complete.(S.I.No. 68 P-49).	140.00 Sft	186 / 04	P.Sft.	26,046 /-
4	Split tiles 1/4" thick matt glazed or double glazed jointed in white cement and laid over 1:2 grey cement sand mortar 3/4" thick including finishing complete (Flooring and facing.). (S.I.No. 69 P-49).	80.00 Sft	21021 / 11	%Sft.	16,817 /-
5	Laying floor of approved white glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete. (S.I.No. 24 P-43).	66.00 Sft	27678 / 86	%Sft.	18,268 /-
6	White glazed tiles 1/4" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing.(37 P-45).	230.00 Sft	28253 / 61	%Sft.	64,983 /-
7	P/F in position Aluminium channels framing for sliding window and ventilator of alcop made with 5mm thick tinted glass glazing (Belgium) Aluminium fly screen I/c handles stopper and locking arrangement etc complete (b) Deluxe model white. (S.I.No. 84-a P-108).	96.00 Sft	1647 / 69	P.Sft	158,178 /-
Total Rs:					799,067 /-
Above / Below					%
G.Floor (ii) Total.					
G.FLOOR (i +ii) TOTAL RS:					

Part (i) FIRST FLOOR: (CIVIL WORK)

1	Cleaning and washing mosaic of marble floor with caustic soda mixture.(S.I.No.27/P-43)	10589.50 Sft	194 / 43	%Sft.	20,589 /-
2	Applying chemical polishing on existing mosaic /Marble flooring / dado including cleaning, grinding with carborandum stone / sand paper and applying chemical polish as per requirement. (S.I.No.70/P-49)	10589.50 Sft	36 / 60	P.Sft.	387,576 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
3	Providing and fixing with jute felt paper of 60 Lbs over roof in/c: cleaning of roof with wire brush and removing dust, applying bitumen coat at the rate of 34-Lbs per %Sft as premix inner coats and then laying felt paper with 10% over laps, then applying and spreading hill sand at the rate of 1 cft for 100 Sft. The cost also i/c necessary fire material, kerosene oil, wood etc. (S.I.No.42/P-39)	13574.00 Sft	106 / 73	P.Sft	1,448,753 /-
4	Preparing the surface and painting with weather coat I/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. 3 coats (38-I+ii P-56).	8960.50 Sft	2567 / 95	%Sft.	230,101 /-
5	Distempering in three coats.(S.I.No. 24 -c P-60).	11439.90 Sft	1079 / 65	%Sft.	123,511 /-
6	Preparing surface and paintin with Emulsion Paint three coats.(S.I.No.40 a+b(I+ii+iii)P-56-A)	21071.00 Sft	2237 / 95	%Sft.	471,558 /-
7	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77).	3577.00 Sft	2116 / 42	%Sft.	75,704 /-
Total Rs:					2,757,792 /-
Above/below					%
Part (i) First Floor Total					

Part (ii) First Floor

1	Providing and fixidng in position Door windows and ventilators of first class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd: class deodar wood skeleton (solid) styles and rails core of partal wood and teak ply wood (3 Ply) on both sides I/c hold fasts hinges iron tower bolts handles and cleats with cord etc complete. (51 P-64).	175.00 Sft	1245 / 96	P.Sft	218,043 /-
2	Laying white marble flooring find dressed on the surface without winding set in lime mortar 1:2 includng rubbing and polishing and joints (a) 3/4" thick.(S.I.No. 28-a P-49).	270.00 Sft	567 / 48	P.Sft	153,220 /-
3	P/F 3/8" thick marble tiles of approved quality and colour shade size 8"x4" or 6"x4" dado skirting and facing removal / trkking existing plaster surface etc over 1/2" thick base of cement mortar 1:3 seting of tiles in slurry of white cement over mortar base I/c filling the joints and washing the tiles with white cement slurry curring finishing cleaning and polishing tc complete.(S.I.No. 68 P-55).	384.00 Sft	186 / 04	P.Sft.	71,439 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
4	Laying floor of approved white glazed tiles 1/4" thick in white cement 1:2 over 3/4" thick cement mortar 1:2 complete. (S.I.No. 24 P-48).	37.50 Sft	27678 / 86	%Sft.	10,380 /-
5	White glazed tiles 1/4" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishing. (S.I.No. 37 P- 50).	125.00 Sft	28253 / 61	%Sft.	35,317 /-
6	P/F in position Aluminium channels framing for sliding window and ventilator of alcop made with 5mm thick tinted glass glazing (Belgium) Aluminium fly screen I/c handles stopper and locking arrangement etc complete (b) Delluxe modle white) (S.I.No. 84-a P-108).	96.00 Sft	1647 / 69	P.Sft	158,178 /-
Total Rs:					646,577 /-
Above / Below					%
F.Floor (ii) Total.					
F.FLOOR (i +ii) TOTAL RS:					
<u>PART A MAIN BUILDING (G.F + F.FLOOR)</u>					TOTAL RS:

(PART "B" KITCHEN BLOCK)

1	Cement plaster 1:4 upto 20' height 3/4" thick.(S.I.No.11-c P-52)	1400.00 Sft	3015 / 76	%Sft.	42,221 /-
2	Providing and laying 1" thick topping cement concrete 1:2:4 including surface finishing and division into panels. (b) 2" thick.(S.I.No. 16-c P-47)	1465.96 Sft	4411 / 82	%Sft.	64,675 /-
3	First class deodar wood wrought joiner in doors and winows etc fixed in position i/c chowkats hold hold fasts hinges iron tower bolts chocks cleats handles and cords with hook etc (b) 1-3/4" thick (S.I.No. 7-b P-64).	72.00 Sft	1273 / 76	P.Sft	91,711 /-
4	Providing and fixing with jute felt paper of 60 Lbs over roof in/c: cleaning of roof with wire brush an removing dust, applying bitumen coat at the rate of 34-Lbs per %Sft as premix inner coats and then laying felt paper with 10% over laps, then applying and spreading hill sand at the rate of 1 cft for 100 Sft. The cost also i/c necessary fire material, kerosene oil, wood etc. (S.I.No.42/P-39)	1465.96 Sft	106 / 73	P.Sft	156,461 /-
5	Distempering in three coats. (S.I.No. 24 -c P-60).	7596.86 Sft	1079 / 65	%Sft.	82,020 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
6	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77)).	820.00 Sft	2116 / 42	%Sft.	17,355 /-
Total Rs:					454,443 /-
Above / Below					%
Part (i) Kitchen Block Total					

Part (ii) Kitchen Block

3	Providing and fixing in position Door windows and ventilators of first class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd: class deodar wood skeleton (solid) styles and rails core of partial wood and teak ply wood (3 Ply)) on both sides I/c hold fasts hinges iron tower bolts handles and cleats with cord etc complete.(57 P-73)	63.00 Sft	1245 / 96	P.Sft	78,495 /-
Total Rs:					78,495 /-
Above / Below					%
Part (ii) Kitchen Block Total.					
PART 'B' KITCHEN BLOCK (i+ii) TOTAL RS:					

(PART "C" GARRAGE)

1	Cement plaster 1:4 upto 20' height 3/4" thick.(S.I.No.11-c P-58)	2733.52 Sft	3015 / 76	%Sft.	82,436 /-
2	Providing and laying 1" thick topping cement concrete 1:2:4 including surface finishing and division into panels. (d) 3" thick.(S.I.No. 16-d P-47).	1000.00 Sft	4411 / 82	%Sft.	44,118 /-
3	Distempering in three coats.(S.I.No. 24 -c P-60).	3213.52 Sft	1079 / 65	%Sft.	34,695 /-
4	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77)).	528.00 Sft	2116 / 42	%Sft.	11,175 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
5	Making and fixing steel grated door with 1/16" thick sheet I/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4 Centre to Centre with locking arrangement. (S.I.No. 24 P-92).	264.00 Sft	726 / 72	P.Sft	191,854 /-
Total					364,278 /-
Above / Below				%	
Item No. 5. Above / Below				%	
Part C Garrage Total					

(PART 'D' GENERATOR ROOM)

1	Providing and laying 1" thick topping cement concrete 1:2:4 including surface finishing and division into panels. (b) 2" thick.(S.I.No. 16-b P-42)	700.00 Sft	3275 / 50	%Sft.	22,929 /-
2	Cement plaster 1:4 upto 20' height 3/4" thick.(S.I.No.11-c P-58)	825.00 Sft	3015 / 76	%Sft.	24,880 /-
3	First class deodar wood wrought joiner in doors and winows etc fixed in position i/c chowkats hold hold fasts hinges iron tower bolts chocks cleats handles and cords with hook etc (b) 1-3/4" thick (S.I.No. 7-b P-64).	48.00 Sft	1273 / 76	P.Sft	61,140 /-
4	Distempering in three coats.(S.I.No. 24 -c P-60).	2281.00 Sft	1079 / 65	%Sft.	24,627 /-
5	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77).	256.00 Sft	2116 / 42	%Sft.	5,418 /-
6	Making and fixing steel grated door with 1/16" thick sheet I/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4 Centre to Centre with locking arrangement. (S.I.No. 24 P-92).	80.00 Sft	726 / 72	P.Sft	58,138 /-
Total					197,132 /-
Above / Below				%	
Item No. 6. Above / Below				%	
Part D Generator Room Total					

S.No.	Item of work	Quantity	Rate	Unit	Amount
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(PART "A"(TYPE III FLATS GROUND FLOOR) 2 NOS

1	First class deodar wood wrought, joinery in doors and windows etc, fixxed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks, etc. Deodar panelled or panelled and glazed, or fully glazed. (b) 1 3/4" thick.(S.I.No.7-b/P-64)	488.00 Sft	1273 / 76	P.Sft	621,595 /-
2	Distempering in three coats.(S.I.No. 24 -c P-60).	2469.00 Sft	1079 / 65	%Sft.	26,657 /-
3	Preparing surface and painting with Emulsion Paint three coats.(S.I.No.40/P-56)	8269.00 Sft	2237 / 15	%Sft.	184,990 /-
4	Preparing new surface @ Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77).	1858.00 Sft	2116 / 42	%Sft.	39,323 /-
5	Providing and fixing with sunk iron screws wooden architrave approved design / shape having width not less than 2-1/2" inches as directed by Engineer Incharge. (S.I.No. 60 P-73).	1566.00 Rft	49 / 97	P.Rft.	78,253 /-
6	Preparing the surface and painting with weather coat I/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. (S.I.No 38-a+b+b P-60).	3752.00 Sft	2567 / 95	%Sft	96,349 /-
Total Rs:					1,047,167 /-
Above / Below					%
Part (i) G. Floor type III flats Total Rs:					

Part (ii) G.Floor type III Flats.

1	P/F 3/8" thick marble tiles of approved quality and colour shade size 8"x4" or 6"x4" dado skirting and facing removal / trkking existing plaster surface etc over 1/2" thick base of cement mortar 1:3 seting of tiles in slurry of white cement over mortar base I/c filling the joints and washing the tiles with white cement slurry curring finishing cleaning and polishing tc complete.(S.I.No. 68 P-55).	233.00 Sft	186 / 04	P.Sft.	43,347 /-
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S.No.	Item of work	Quantity	Rate	Unit	Amount
2	Providing and laying tiles glazed 6" x 6" x 1/4" 'on floor or wall facing in required colour and 'aptern of STILE specification jointed in white 'cement and pigment over a base of 1:2 grey 'cement mortar 3/4" thick including washing 'and filling of joints with slaurry of white cement 'and pigment in desired shape with finishing, 'clearing and cost of wax polish etc. complete including cutting tiles to proper profile.(60 P-47).	1159.00 Sft	30509 / 77	%Sft.	353,608 /-
3	Providing and fixing in position doors, windows and ventilators of 1st. Class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd class deodar wood skeleton (solid) styles and rails core of partial wood and Teak ply wood (3-ply) on both sides i/c hold fasts, hinges, iron tower bolts, handles and cleats with cord etc. complete. (S.I.No.57/P-73).	441.00 Sft	1245 / 96	P.Sft	549,468 /-
Total Rs:					946,423 /-
Above / Below					%
Part (ii) G.Floor type III flat Total. Rs:					

Part (iii) Ground Floor type III Flat (Non-Schedule Items)

1	Providing and laying marble flooring super/china verona/Teravera or equivalent having size 24"x12"x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, se in lime putty laid over 3/4"thick lime mortar 1:2 & filling the joints with white cement and pigment in/c: grinding,rubbing and chemical polishing as directed by the Engineer incharge.(NSI) (a) 3/4" thick.(NSI).	2634.00 Sft	385 / 00	P.Sft	1,014,090 /-
2	P/F iron steel grill using solid square bass of size 1/2"x1/2" placed at 4" centre to centre in approved design and pattern I/c frame of flat iron pathti of 3/4"x1/8" fixed with screrws or pins I/c painting with 2 or required coats after coat of red oxide The cost in/c: all cartage tools plants welding machine etc used in making as directed by the Engineer incharge.(N.S.I)	488.00 Sft	390 / 00	P.Sft	190,320 /-
Part (iii) Ground Floor type III Flat. TotalRs:					1,204,410
Type III Flats Ground Floor (i+ii+iii) Total Rs:					

S.No.	Item of work	Quantity	Rate	Unit	Amount
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(PART "A" TYPE III FLATS (FIRST FLOOR) 2 NOS

1	Fist class deodar wood wrought, joinery in doors and windows etc, fixxed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks, etc. Deodar panelled or panelled and glazed, or fully glazed. (b) 1 3/4" thick.(S.I.No.7-b/P-64)	488.00 Sft	1273 / 76	P.Sft	621,595 /-
2	Distempering in three coats.(S.I.No. 24 -c P-60).	2469.00 Sft	1079 / 65	%Sft.	26,657 /-
3	Preparing surface and painting with Emulsion Paint three coats.(S.I.No.40/P-56)	8269.00 Sft	2237 / 15	%Sft.	184,990 /-
4	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77).	1858.00 Sft	2116 / 42	%Sft.	39,323 /-
5	Providing and fixing with sunk iron screws wooden architrave approved design / shape having width not less than 2-1/2" inches as directed by Engineer Incharge. (S.I.No. 60 P-73).	1566.00 Rft	49 / 97	P.Rft.	78,253 /-
6	Preparing the surface and painting with weather coat I/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. (S.I.No 38-a+b+b P-60).	4944.00 Sft	2567 / 95	%Sft	126,959 /-
7	Providing and laying 1" thick topping cement concrete 1:2:4 including surface fiinishing and division into panels. (b) 2" thick. (S.I.No. 16-c P-47)	3001.50 Sft	4411 / 82	%Sft.	132,421 /-
8	Extra labour for each story above Ground for mosaic conglomerate or tiles, stone & wooden floor. (S.I.No.18/P-45)	3001.50 Sft	226 / 88	%Sft.	6,810 /-

Total Rs: 1,217,008 /-

Above / Below %

Part (i) F. Floor type III flats Total Rs:

S.No.	Item of work	Quantity	Rate	Unit	Amount
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Part (ii) F.Floor type III Flats.

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|---|--|-------------|------------|--------|------------|
| 1 | P/F 3/8" thick marble tiles of approved quality and colour shade size 8"x4" or 6"x4" dado skirting and facing removal / trkking existing plaster surface etc over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base I/c filling the joints and washing the tiles with white cement slurry curring finishing cleaning and polishing to complete.(S.I.No. 68 P-55). | 233.00 Sft | 186 / 04 | P.Sft. | 43,347 /- |
| 2 | Providing and laying tiles glazed 6" x 6" x 1/4" 'on floor or wall facing in required colour and 'apptern of STILE specification jointed in white 'cement and pigment over a base of 1:2 grey 'cement mortar 3/4" thick including washing 'and filling of joints with slurry of white cement 'and pigment in desired shape with finishing, 'clearing and cost of wax polish etc. complete including cutting tiles to proper profile.(60 P-47). | 1054.00 Sft | 30509 / 77 | %Sft. | 321,573 /- |
| 3 | Providing and fixing in position doors, windows and ventilators of 1st. Class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd class deodar wood skeleton (solid) styles and rails core of partial wood and Teak ply wood (3-ply) on both sides i/c hold fasts, hinges, iron tower bolts, handles and cleats with cord etc. complete.
(S.I.No.57/P-73). | 441.00 Sft | 1245 / 96 | P.Sft | 549,468 /- |

Total Rs:	914,388 /-
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Above / Below	%
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Part (ii) F.Floor type III flat Total. Rs:	
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Part (iv) Ground Floor type III Flat (Non-Schedule Items)

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|---|---|-------------|----------|-------|--------------|
| 1 | Providing and laying marble flooring super/china verona/Teravera or equivalent having size 24"x12"x 3/4" or 12"x12"x3/4" fine dressed on the surface without windings, se in lime putty laid over 3/4" thick lime mortar 1:2 & filling the joints with white cement and pigment in/c: grinding,rubbing and chemical polishing as directed by the Engineer incharge.(NSI)
(a) 3/4" thick.(NSI). | 2634.00 Sft | 385 / 00 | P.Sft | 1,014,090 /- |
|---|---|-------------|----------|-------|--------------|

S.No.	Item of work	Quantity	Rate	Unit	Amount
2	P/F iron steel grill using solid square bass of size 1/2"x1/2" placed at 4" centre to centre in approved design and pattern I/c frame of flat iron pathti of 3/4"x1/8" fixed with screrws or pins I/c painting with 2 or required coats after coat of red oxide The cost in/c: all cartage tools plants welding machine etc used in making as directed by the Engineer incharge.(N.S.I)	488.00 Sft	390 / 00	P.Sft	190,320 /-
Part (iv) F. Floor type III flats Total Rs:					1,204,410 /-
Type III Flats First Floor (i+ii+iii) Total Rs:					
G. Total Type III Flats (G. Floor + F. Floor)					TOTAL RS:

TYPE V FLATS GROUND FLOOR

1	Providing and laying 1" thick topping cement concrete 1:2:4 including surface fiinishing and division into panels. (b) 2" thick. (S.I.No. 16-c P-47)	791.00 Sft	4411 / 82	%Sft.	34,897 /-
2	Fist class deodar wood wrought, joinery in doors and windows etc, fixxed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks, etc. Deodar panelled or panelled and glazed, or fully glazed. (b) 1 3/4" thick.(S.I.No.7-b/P-64)	273.50 Sft	1273 / 76	P.Sft	348,373 /-
3	Distempering in three coats.(S.I.No. 24 -c P-60).	3415.00 Sft	1079 / 65	%Sft.	36,870 /-
4	Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77).	1107.00 Sft	2116 / 42	%Sft.	23,429 /-
5	Preparing the surface and painting with weather coat I/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. (S.I.No 38-a+b+b P-60).	870.00 Sft	2567 / 95	%Sft	22,341 /-
Total Rs:					465,910 /-
Above / Below					%
Part (i) G. Floor type V flats Total Rs:					

S.No.	Item of work	Quantity	Rate	Unit	Amount
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Part (ii) G.Floor type V Flats.

- 1 Providing and laying tiles glazed 6" x 6" x 1/4" 'on floor or wall facing in required colour and 'apptern of STILE specification jointed in white 'cement and pigment over a base of 1:2 grey 'cement mortar 3/4" thick including washing 'and filling of joints with slaurry of white cement 'and pigment in desired shape with finishing, 'clearing and cost of wax polish etc. complete including cutting tiles to proper profile.(60 P-47). 362.00 Sft 30509 / 77 %Sft. 110,445 /-
- 2 Providing and fixing in position doors, windows and ventilators of 1st. Class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd class deodar wood skeleton (solid) styles and rails core of partal wood and Teak ply wood (3-ply) on both sides i/c hold fasts, hinges, iron tower bolts, handles and cleats with cord etc. complete. (S.I.No.57/P-73). 280.00 Sft 1245 / 96 P.Sft 348,869 /-

Total Rs: 459,314 /-**Above / Below %****Part (ii) G.Floor type V flat Total. Rs:****Part (iii) G. Floor type V Flat (N.S. Items)**

- 1 P/F iron steel grill using solid square bass of size 1/2"x1/2" placed at 4" centre to centre in approved design and pattern I/c frame of flat iron pathti of 3/4"x1/8" fixed with screrws or pins I/c painting with 2 or required coats after coat of red oxide The cost in/c: all cartage tools plants welding machine etc used in making as directed by the Engineer incharge.(N.S.I) 273.50 Sft 390 / 00 P.Sft 106,665 /-

Part (iii) G. Floor type V Flat. TotalRs: 106,665 /-**Type V Flats G. Floor (i+ii+iii) Total Rs:****TYPE V FLATS (FIRST FLOOR) 2NOS**

- 1 Providing and laying 1" thick topping cement concrete 1:2:4 including surface fiinishing and division into panels. (b) 2" thick. (S.I.No. 16-c P-47) 1904.00 Sft 4411 / 82 %Sft. 84,001 /-
- 2 Distempering in three coats.(S.I.No. 24 -c P-60). 3415.00 Sft 1079 / 65 %Sft. 36,870 /-
- 3 Preparing new surface © Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77). 1107.00 Sft 2116 / 42 %Sft. 23,429 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
4	Preparing the surface and painting with weather coat I/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. (S.I.No 38-a+b+b P-60).	870.00 Sft	2567 / 95	%Sft	22,341 /-
5	Extra labour for each story above Ground for mosaic conglomerate or tiles, stone & wooden floor. (S.I.No.18/P-45)	1904.00 Sft	226 / 88	%Sft.	4,320 /-
Total Rs:					170,961 /-
Above / Below					%
Part (i) F. Floor type V flats Total Rs:					

Part (ii) F.Floor type V Flats.

1	Providing and laying tiles glazed 6" x 6" x 1/4" 'on floor or wall facing in required colour and 'apptern of STILE specification jointed in white 'cement and pigment over a base of 1:2 grey 'cement mortar 3/4" thick including washing 'and filling of joints with slaurry of white cement 'and pigment in desired shape with finishing, 'clearing and cost of wax polish etc. complete including cutting tiles to proper profile.(60 P-47).	362.00 Sft	30509 / 77	%Sft.	110,445 /-
2	Fist class deodar wood wrought, joinery in doors and windows etc, fixxed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks, etc. Deodar panelled or panelled and glazed, or fully glazed. (b) 1 3/4" thick.(S.I.No.7-b/P-64)	273.50 Sft	1273 / 76	P.Sft	348,373 /-
3	Providing and fixing in position doors, windows and ventilators of 1st. Class deodar wood frames and 1-1/2" thick Teak wood ply shutters of 2nd class deodar wood skeleton (solid) styles and rails core of partal wood and Teak ply wood (3-ply) on both sides i/c hold fasts, hinges, iron tower bolts, handles and cleats with cord etc. complete. (S.I.No.57/P-73).	280.00 Sft	1245 / 96	P.Sft	348,869 /-
Total Rs:					807,687 /-
Above / Below					%
Part (ii) F.Floor type V flat Total. Rs:					

S.No.	Item of work	Quantity	Rate	Unit	Amount
<u>Part (iii) F. Floor type V Flat (N.S. Items)</u>					
1	P/F iron steel grill using solid square bass of size 1/2"x1/2" placed at 4" I/c and frame of flat iron pathti of 3/4"x3/4" I/c circle shape at 1-0 apart equilent fitted with screrws or pins I/c painting 3 coats with ist coat of red oxide paint etc incharge.(N.S.I)	273.50 Sft	390 / 00	P.Sft	106,665 /-
Part (iii) F. Floor type V Flat. TotalRs:					106,665 /-
Type V Flats F. Floor (i+ii+iii) Total Rs:					
<u>G. Total Type V Flats (G. Floor + F. Floor)</u>					TOTAL RS:

III) ALLIED COMPONENTS**PART 'A' UNDER GROUND TANK**

1	Providing and laying 1" thick topping C.C. (1:2:4) in/c: Surface finishing and dividiing into panels: (a) 2" thick. (S.I.No. 4-c/P.46)	502.00 Sft	4411 / 82	%Sft	22,147 /-
2	Damp Proof course with cement sand ratio (1:2) mixed with dampo (b) 3/4"thick (S.I.No. 69 b/ P-21)	719.00 Sft	2401 / 58	%Sft.	17,267 /-
3	P/F Ventilator (weight not less then 80 Lbs /each) in tank roof of approved design with water tight joint in/c: painted etc complete.(P.H.S.I.No.4/P-43)	2 Nos	4870 / 00	Each	9,740 /-
4	P/F C.I. Manhole cover with frame in/c: cost of material etc.(P.H.S.I.No.1/P-23)	3.50 Cwt	6985 / 00	P.Cwt	24,448 /-
Total Rs:					73,602 /-
Above / Below					%
Item No. 3 & 4 above / Below					%
Part "A" UGT Total Rs:					

PART "B" PUMP ROOM.

1	Cement plaster 1:4 upto 20' height 3/4" thick. (S.I.No.11-c P-52)	1301.92 Sft	3015 / 76	%Sft.	39,263 /-
2	Providing and laying 1" thick topping C.C. (1:2:4) in/c: Surface finishing and dividiing into panels: (a) 2" thick. (S.I.No. 4-c/P.42)	247.00 Sft	4411 / 82	%Sft	10,897 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
3	First class deodar wood wrought, joinery in doors and windows etc, fixed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks, etc. (b) 1 3/4" thick. (309/52 (-) 81/14 (=) 228/38) (S.I.No. 7-b P-64).	52.00 Sft	1273 / 76	P.Sft	66,236 /-
4	Distempering in three coats. (S.I.No. 24 -c P-60).	1301.92 Sft	1079 / 65	%Sft.	14,056 /-
5	Preparing new surface @ Painting to doors and windows any type (including edges in three coats (S.I.No. 5-c(I+ii+iii P-77).	104.00 Sft	2116 / 42	%Sft.	2,201 /-
Total Rs:					132,653 /-
Above / Below					%
Part "B" P.Room Total Rs:					
Part "AB" Under Ground Tank & P.Room Total Rs:					

PART "C (i)" EXTERNAL W/S & DRAINAGE.

1	Excavation for pipe line intrenches, and pits in soft soils I/c trimming and dressing sides to true alignment and shape, levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards, lights, flags and temporary crossings for non vehicular traffic where ever required lite upto 5ft (1.52 M) and lead upto one chain (30.5 M). (S.I.No. 5/ P-62 P.H.S)	9720.00 Cft	4650 / 40	%oCft	45,202 /-
2	Providing PVC pipe of class "C" fixing in trench i/c: cutting fitting and jointing with solvent cement in/c: testing with water to head of 91.50 meter or 300 ft:				
	(i) 6"dia. (S.I.No.6-e/P-24)	1080.00 Rft	483 / 00	P.Rft	521,640 /-
	(i) 8"dia. (S.I.No.6-e/P-24)	50.00 Rft	737 / 00	P.Rft	36,850 /-
3	Constructing manhole or inspection chamber for the required dia of circular sewer and 3'-6" (1067mm) depth with walls of B.B in cement mortar 1:3 cement plastered 1:3 1/2" thick inside of walls and 1" (25mm) thick over benching and channel i/c fixing C.C. Manhole cover with frame of clear opening 1-1/2" x 1-1/2" (457 x 457mm) of 1.75Cwt(88.90Kg) embedded in plain C.C. 1:2:4 and fixing 1: (25mm) dia M.S staps 6".				

S.No.	Item of work	Quantity	Rate	Unit	Amount
	(150mm) wide projecting 4" (102mm) from the face of wall at 12" (305mm) C/C duly painted etc, complete as per specification and drawing No:DP/1 of Public Health Circle Southern Zone . (a) 4" to 12" dia 2"x2"x2"x3'-0".(With C.I. Cover) (P.H.S.I.No.1 P-46)	28 Nos	14748 / 00	Each	412,944 /-

Total Rs: **1,016,636** /-

Item No.1 & 3 Above / Below %

Item No.2 Above / Below %

Part "C " Total Rs:

PART " D " INT: ROAD & PATH.

- | | | | | | |
|---|---|--------------|-----------|-------|--------------|
| 1 | Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet. (22 P-5). | 34020.00 Cft | 3630 / 00 | %oCft | 123,493 /- |
| 2 | Extra lead 41 miles.... | 34020.00 Cft | 1911 / 56 | %Cft | 650,313 /- |
| 3 | Cement concrete brick or stone ballast 1-1/2" to 2" guage Ratio 1:4:8 (S.I.No.4-c P-15). | 11396.70 Cft | 9416 / 28 | %Cft | 1,073,145 /- |

Total Rs: **1,846,951** /-

Above / Below %

Part D-(i) Total Rs:

Part (ii) . (N.S. Items)

- | | | | | | |
|---|---|--------------|----------|-------|--------------|
| 1 | Providing and laying National Tiles of size 10x5x3/8 thick matt glazed or double glazed on wall facing or floor in required pattern jointed in white cement and pigment over a base of 1:2 grey cement in/c: finishing & fitting of joints with slurry of grey cement or sand mortar in desire shape in/c: cutting of tiles to proper profile (L.Q.R) | 17010.00 Sft | 302 / 60 | P.Sft | 5,147,226 /- |
|---|---|--------------|----------|-------|--------------|

Part E-(ii) Total Rs: **5,147,226** /-

PART " D " INT: ROAD & PATH. (i + ii)

Total Rs.

PART . E-(i). INT: W/S & S/F (S.I)

- | | | | | | |
|---|--|--------|-----------|------|------------|
| 1 | Providing and fixing orisa type white or colour glazed earthen ware w.c pan with cost of low level plastic flush tank of 3 gallons capacity of approved quality i8/c making requisite number of holes in wall, plainth & floor and making good in cement concrete 1: 2: 4. W.C pan orisa type 23" with plastic tank of low down 3 gallons C.I trap & C.I thumble (Superior Quality).
(ii) With 4" dia earthen ware trap and plastic thumble. (S.I.No 3-A-ii P-2). | 26 Nos | 6166 / 60 | Each | 160,332 /- |
|---|--|--------|-----------|------|------------|

S.No.	Item of work	Quantity	Rate	Unit	Amount
2	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and I/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 enamelled flush bend 3/4" 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). (S.I.No 5 P-2).	4 Nos	11477 / 40	Each	45,910 /-
3	Providing & fixing 22" x 16" lavatory basin in white glazed earthen ware complete with & I/c the cost of W.I or C.I cantilever brackets 6 inches built into walls, painted white in 2 coats after a primary coat of red lead paint, a pair of 1/2" rubber plug & chrome brass waste of approved pattern 1-1/4" dia malleable iron or c.p. brass traps, malleable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connection & making good in cement concrete 1 : 2: 4.(Foreign or Equivalent). (S.I.No 13 P-4).	39 Nos	6237 / 0	Each	243,243 /-
4	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent..) (S.I.No 11 P-3).	39 Nos	2533 / 47	Each	98,805 /-
5	Providing & fixing 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" P.V.C. waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1 : 2: 4. (a) Steel sink stainless sized 40" x 20" local make (Standard Pattern.) (19-a / P.6)	11 Nos	5052 / 30	Each	55,575 /-
6	S/Fixing long bib- cock of crystal head with 1/2" dia. (S.I.No. 13a / P.19)	63 Nos	1109 / 46	Each	69,896 /-
7	S/Fixing concealed tee-stop cock of superior quality with c.p head 1/2" dia. (S.I.No. 12a / P.18)	148 Nos	843 / 92	Each	124,900 /-
8	Supplying & fixing C.P Muslim Shower with double Bib cock & ring Pipe etc complete. (S.I.No 19-a P-19).	40 Nos	3432 / 00	Each	137,280 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
9	(a) Supplying & Fixing swan type pillar cock of Superior quality single c.p. head 1/2" dia. (S.I.No.16-a/P-19)	50 Nos	795 / 30	Each	39,765 /-
10	Supplying & fixing Bath room accessories set (7 pieces I/c towel rod, brush holder, soap tray, shelf of approved quality and design etc complete. (S.I.No 22 P-19).	39 Nos	8122 / 40	Each	316,774 /-
11	Supplying & fixing Telephonic shower with ring Pipe etc. Complete.(S.I.No.20/P-19)	13 Nos	1122 / 00	Each	14,586 /-
12	Providing & fixing 6" x 4" C.C gully trap with 4" outlet complete with 4" thick 1: 2: 4 C.C. for bed & 1/2" thick cement plaster (1:3) to the karb, C.I grating 6" x 6" & C.I cover and frame 12" x 12" (inside) etc. complete. Earthen ware glazed gully Trap 6" x 6" x 4" (I) With C.I Cover & frame. (S.I.No.I-i P-21).	26 Nos	1358 / 17	Each	35,312 /-
13	Providing & fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self cleaning design with a C.I screwed down grating 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 (S.I.No 1 / P.24)	8 Nos	2042 / 43	Each	16,339 /-
14	Canceled C.P fittings of Superior quality for tiles Bath Rooms. (a) S/Fixing canceled stop cock of superior quality with c.p head 1/2" dia. (S.I.No 12-a / P.19)	26 Nos	843 / 92	Each	21,942 /-
15	Providing & fixing flat back lipped from urinal basin (of not less than 17" in height) of white glazed earthen ware complete with & I/c the cost of 1 gallon C.I automatic flushing cistern with fittings, a pot cock C.I or W.I brackets standard flush Pipe with fitting standard waste Pipe (Enamelled iron) connection complete & making requisite number of holes in walls, plinth & floor for Pipe connection & making good in cement concrete 1: 2: 4 (Foreign or Equivalent). (S.I.No 7 / P.2)	5 Nos	3840 / 00	Each	19,200 /-
16	Supplying & fixing jet shower with rod of superior quality single c.p head 1/2" dia. (15 / P.19)	46 No	1142 / 24	Each	52,543 /-
17	Supplying & fixing sink mixture cock of superior quality with c.p head etc complete. (S.I.No 17 / P.19)	3 No	2745 / 60	Each	8,237 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
18	Supplying & fixing c.p bath tub mixture of superior quality with head of approved quality. With C.P Head (S.I.No 18-a / P.19)	6 Nos	4048 / 00	Each	24,288 /-
19	Supplying/Fixing wash basen mixture of superior quality with c.p head 1/2" dia. (14-a / P.19)	4 Nos	2882 / 00	Each	11,528 /-
20	Providing & fixing 24" x 18" bavelled edge mirror of belgium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat. (a) Standard Pattern. (S.I.No 3-a / P.7)	16 Nos	1711 / 60	Each	27,386 /-
TOTAL RS:					1,523,841 /-
Above / Below %					
PART E-(i) Total Rs.					

PART E-(ii). INT: W/S & S/F (N.S.I)

1	P/F UPVC soil and vent pipe of AGM or Pak Arab make schedule SDR- 41(B) pipe without fittings which will be paid separately. This includes fixing on walls with clamps or Jubilee clips upto height 50'-0 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. (a) 4" dia.	673.00 Rft	410 / 00	P.Rft	275,930 /-
2	P/F UPVC fittings of schedule 40(E) ASTM –D-1785 Standard (AGM or Pak Arab make) with the cost of breaking through walls and roof in/c jointing with PVC solvent/JTG solution and fixing at any height/floor using Jhoola or long ladder or scaffolding in horizontal or vertical position as directed by the Engineer Incharge () 4" dia plain Tee	14 Nos	795 / 00	Each	11,130 /-
3	P/F UPVC fittings of schedule 40(E) ASTM –D-1785 Standard (AGM or Pak Arab make) with the cost of breaking through walls and roof in/c jointing with PVC solvent/JTG solution and fixing at any height/floor using Jhoola or long ladder or scaffolding in horizontal or vertical position as directed by the Engineer Incharge () 4" dia Plug Elbow	19 Nos	870 / 00	Each	16,530 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
4	P/F UPVC fittings of schedule 40(E) ASTM –D-1785 Standard (AGM or Pak Arab make) with the cost of breaking through walls and roof in/c jointing with PVC solvent/JTG solution and fixing at any height/floor using Jhoola or long ladder or scaffolding in horizontal or vertical position as directed by the Engineer Incharge () 4” dia Wye 45 degree / Plug Tee	18 Nos	1196 / 00	Each	21,528 /-
5	P/F UPVC fittings of schedule 40(E) ASTM –D-1785 Standard (AGM or Pak Arab make) with the cost of breaking through walls and roof in/c jointing with PVC solvent/JTG solution and fixing at any height/floor using Jhoola or long ladder or scaffolding in horizontal or vertical position as directed by the Engineer Incharge () 4” dia plainElbow 90/45 degree	40 Nos	675 / 00	Each	27,000 /-
6	P/F UPVC fittings of schedule 40(E) ASTM –D-1785 Standard (AGM or Pak Arab make) with the cost of breaking through walls and roof in/c jointing with PVC solvent/JTG solution and fixing at any height/floor using Jhoola or long ladder or scaffolding in horizontal or vertical position as directed by the Engineer Incharge () 4” dia cowel / Terminal Guard..	19 Nos	455 / 00	Each	8,645 /-
7	P/F UPVC fittings of schedule 40(E) ASTM –D-1785 Standard (AGM or Pak Arab make) with the cost of breaking through walls and roof in/c jointing with PVC solvent/JTG solution and fixing at any height/floor using Jhoola or long ladder or scaffolding in horizontal or vertical position as directed by the Engineer Incharge () 4” dia P- Trap	49.00 Nos	1248 / 00	Each	61,152 /-
8	P/F UPVC water supply pipe of AGM or Pak Arab make schedule 40(E) ASTM standard D-1785 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				
	(a) 1/2" dia	419.00 Rft	122 / 00	P.Rft	51,118 /-
	(b) 3/4" dia	222.00 Rft	135 / 00	P.Rft	29,970 /-
	(c) 1" dia	308.00 Rft	167 / 25	P.Rft	51,513 /-
	(e) 1-1/2” dia	1940.50 Rft	350 / 00	P.Rft	679,175 /-

S.No.	Item of work	Quantity	Rate	Unit	Amount
9	P/F CPVC Brass threaded elbow AGM or equivalent make of Sch. 80 I/c cutting and fitting jointing with special 'U' PVC cement solution as approved and directed by Engineer incharge. (a) 1/2" dia	251 Nos	675 / 40	Each	169,525 /-
10	P/F UPVC Union AGM or equivalent make of Sch. 40 I/c cutting and fitting jointing with special 'U' PVC cement solution as approved and directed by Engineer incharge. (a) 1/2" dia (b) 3/4" dia (c) 1" dia (d) 1-1/2" dia	10 Nos 30 Nos 22 Nos 32 Nos	631 / 40 669 / 90 719 / 40 1570 / 80	Each Each Each Each	6,314 /- 20,097 /- 7,194 /- 34,558 /-
11	P/F Brass Red Handle Valve AGM or equivalent make I/c cutting and fitting jointing with special 'U' PVC cement solution as approved and directed by Engineer incharge. (a) 1/2" dia (b) 3/4" dia (c) 1" dia (d) 1-1/2" dia	10 Nos 30 Nos 22 Nos 32 Nos	1544 / 40 2000 / 90 2759 / 90 5990 / 60	Each Each Each Each	15,444 /- 60,027 /- 60,718 /- 191,699 /-
12	P/F UPVC thumb 4" dia of approved quality & make as directed by the Engineer Incharge.	4 Nos	392 / 00	Each	1,568 /-
13	P/F UPVC floor trap jali or top tile size 6"x 6" of approved color & design as directed by the Engineer Incharge.	49 Nos	400 / 00	Each	19,600 /-
PART E-(ii) Total Rs.					1,820,435 /-

PART E INT: W/S & S/F (S.I + N.S.I)

Total Rs:

S.No.	Item of work	Quantity	Rate	Unit	Amount
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A B S T R A C T '

(I) NON RESIDENTIAL BUILDINGS

- A) MAIN BUILDING HOSPITAL
- B) KITCHEN
- C) GARRAGES
- D) GENERATOR ROOM

(I) TOTAL RS: _____

II) RESIDENTIAL BUILDINGS

- A) TYPE III FLATS 4 NOS
- B) TYPE V FLATS 4 NOS

(II) TOTAL RS: _____

III) ALLIED COMPONENTS

- A) UNDER GROUND TANK.
- B) PUMP ROOM
- C) EXTERNAL W/S & DRAINAGE.
- D) EARTH FILLING & PATH
- E) INT; W/S & S/FITTING.

(III) TOTAL RS: _____

G. TOTAL (I + II + III)

TOTAL RS: _____

S.No.	Item of work	Quantity	Rate	Unit	Amount
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CONDITION.

- 1 Any typographical errors in Schedule "B" are subject to correction with the reference to the Schedule of Rates (General) enforced from 12th July 2012. Volum-III, Part-III, Sixth Edition 2012 Publication No.52, as approved by the Standing Rates Committee Sindh, Karachi.
- 2 Arbitration clause stands deleted from Agreement.
- 3 100% well graded crushed bajri shall be used in item of R.C.C. 1:2:4 or 1:1-1/2:3.
- 4 C.C.1:3:6, Silid Block shall be machine made.
- 5 Water shall be arranged by the contractor at site of work without any extra payment.
- 6 No. Cartage of any items of material either supplied by the Department or arranged by the contractor shall be paid.
- 7 Contractor has to bring all samples of the materials and hand-over to the Engineer Incharge free of cost.
- 8 All R.C.C/C.C cost of situ shall be mechanically vibrated.
- 9 All Buildings debris and surplus Stuff shall be removed from site and suitably disposed off by the contractor, for which no extra cost of cartage shall be paid.
- 10 Sand from only approved quarry shall be used in all items involving use of cement Pit sand shall not be allowed to be used.
- 11 Sweet & portable water only shall have to be used in construction work which is to be arranged by the contractor.

CONTRACTOR

ASSISTANT ENGINEER
BUILDINGS SUB DIVISION LANDHI
W & S DEPARTMENT, KARACHI

EXECUTIVE ENGINEER
BUILDINGS DIVISION No: III
W&S DEPARTMENT,KARACHI