



GOVERNMENT OF SINDH

WORKS & SERVICES DEPARTMENT KARACHI

NAME OF WORK:

**Construction of Office and Accommodation of
Deputy Commissioner (East), Karachi**

(D.C Office Complex G+4, Guard Room
02-Nos. Sub Station, Prayer Area, Watch Tower
Canteen, Office for Emergency Works/Control
Room in/c Compound Wall.

**OFFICE OF THE
EXECUTIVE ENGINEER
PROVINCIAL BUILDINGS DIVISION NO.III KARACHI**

SUMMARY

WORKS & SERVICES DEPARTMENT KARACHI

- (i). **Name of work: Construction of Office and Accommodation of Deputy Commissioner (East) Karachi including residence (ADP # 2099).**

S.NO.	DESCRIPTION	AMOUNT (CIVIL WORKS)	AMOUNT (PLUMBING WORKS)	AMOUNT (ELECTRICAL WORKS)	TOTAL AMOUNT
1	Construction of Deputy Commissioner Office Complex		,----	,----	
2	Construction of Guard Room		,----	,----	
3	Construction of Sub Station		,----	,----	
4	Construction of Masjid/Prayer Area		,----	,----	
5	Construction of Watch Tower		,----	,----	
6	Construction of Canteen Building		,----	,----	
7	Construction of Office for Emergency Work/Control Room		,----	,----	
8	Construction of Compound Wall		,----	,----	
	TOTAL AMOUNT:				

WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF OF DEPUTY COMMISSIONER OFFICE COMPLEX.
BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. <u>CIVIL WORKS</u> PART - A (<u>SCHEDULE ITEMS</u>)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	58,231.00	3176.25	%oCft	184,956.21
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	558.50	11288.75	%Cft	63,047.67
3	Cement concrete plain using ratio including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:3:6 (5-i/16)	1,871.00	12595.00	%Cft	235,652.45
4	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.) (a) - R.C work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17) (II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)	45,921.00 5,110.00	337.00 349.00	P.Cft P.Cft	15,475,377.00 1,783,390.00
5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars conforming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars). (8-b/17)	4,805.00	5001.70	P.Cwt	24,033,168.50
6	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead up to one chain and lift, upto 5 feet. (22/4)	53,100.00	3630.00	%OCft	1,927,530.00
4	providing termite control treatment by spraying/sprinkling/spreading Neptachler 0.5% Emulsion as an overall pre construction treatment in slab type construction along external foundation trenches of the	2,829.00	40.10	P.Rft	113,442.90
8	Damp proof course with (Cement sand and crush concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick)	1,148.00		%Sft	
9	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19) 6 inch thickness	28,256.00	15771.01	%Cft	4,456,256.59
10	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)	130,431.00	3015.76	%Sft	3,933,485.93
C / O					52,206,307.24

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
B / F					
11	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-c/52)	8,829.00	3275.50	%Sft	289,193.90
12	Preparing the surface and painting with matt finish i/c rubbing the surface with batty (Silicon carbide rubbing Brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying 1st coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete. (new surface). (36-a+b+b/55)	106,360.00	3444.38	%Sft	3,663,442.57
13	Distempering three coats. (24-c/54)	35,316.00	1079.65	%Sft	381,289.19
14	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. (38-A+B+B/56)	40,320.00	2567.95	%Sft	1,035,397.44
15	First class deodar wood wrought, joinery in doors and windows etc. fixed in position includig Choekats, hold fasts, hinges, iron tower bolts, chocks, cleats, handles and corda with hooks etc. Deodar paneled, or paneled and glazed or fully glazed. (7-b/58)	5,438.00	1430.00	P.Sft	7,776,340.00
16	Supplying and fixing in position Aluminum channels framing for sliding windows and ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) etc. Complete - Deluxe Model (Bronze) (84-b/108)	3,120.00	1647.69	P.Sft	5,140,792.80
17	Preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standard braces, etc.) and similar open work. (5-d-i+ii+ii/70)	6,240.00	1270.83	%Sft	7,929,979.20
TOTAL AMOUNT (A)					
II. CIVIL WORKS PART - B (NON SCHEDULE ITEMS)					
1	Providing and fixing wooden shuttering for situ including cost of all material, tools and labour, transportation etc. complete in all respects.	5,585.00		P.Sft	
2	Providing and fixing of Gypsum board false ceiling of approved size, design and shade with drop pannels of gypsum board and wooden strips (4" x 2") lamihated with spirit polish as shown in drawings, using Aluminum strips including all accessories with built in lighting fixture and G.I wire hangers with 18 SWG adjuster at any elevation, including all materials, fixtures, accessories, all labour, scaffolding etc. complete in all respects.	11,686.00		P.Sft	
4	Providing and applying three coats of Spirit polish of approved make on new wood works including rubbing and repairing the surface to prepare the surface for polishing, including the cost of all labor and materials, Complete in all respects.	12,236.00		P.Sft	
5	Providing and fixing porcelene tiles non-skid full body of approved quality shade and design 12" x 12", setting in cement mortar or dry bond, filling joints with white cement cleaning curingincluding skirting andwastage, complete.	31,428.00		P.Sft	
C / O					

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	
6	Providing and fixing porcelene tiles for Dado or skirting of approved quality shade and design, setting in cement mortar or dry bond, filling joints with white cement with pigment, cleaning curing including skirting and wastage, including cost of all material and labour. complete in all respects.	1,419.00		P.Sft	
7	Providing and fixing Ceramic Tiles size 6" x 12" on floor and walls with border imported of approved shade and quality laid over a base of class "C" concrete, setting tiles in cement slurry and filling the joints with white cement or pigment of approved shade including wastage, washing, cleaning and curing complete. (for washrooms)	19,232.00		P.Sft	
8	Providing and fixing wooden kitchen cabinets / console, using Lasani wood with lamination of 3/4" thick and pertal wood frame 2" x 2", with 3 coats of spirit polish complete fixtures, all hardware, including all fittings, hinges, handles, cabinet closers, with etc. complete in all respects.	640.00		P.Sft	
9	Providing and fixing best quality Black granite polished of 3/4" in thickness for stair cases steps and kitchen counter top of approved size, shade, setting in cement mortar or dry bond, cleaning curing including the cost of all material and labour. complete in all respects.	4,720.00		P.Sft	
101	P/F Stainless Steel (SS) Railing on inner stair case, chrome finish in 20" height, using 2"Ø S.S pipe for hand rail and 1" Ø S.S solid bars for blusters @ 10" c / c as shown in drawings and according to specifications. (42" Height)	1,080.00		P.Sft	
11	Providing and fixing in position iron / steel grill using solid square bqrs of size 1/2"x1/2" place @ 4" c/c and frame of flat iron Patti of 3/4"x3/4" i/c circle shape @ 1-0 a equivalent fitted with screws or pins i/c painting 03 coats with 1st coat of red oxide paint etc. complete. (42" Height)	3,120.00		P.Sft	
				TOTAL AMOUNT (B)	
				GRAND TOTAL (A + B)	

WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF GUARD ROOM.
BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. <u>CIVIL WORKS</u> PART - A (<u>SCHEDULE ITEMS</u>)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	1,152.00	3176.25	%oCft	3,659.04
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	360.00	11288.75	%Cft	40,639.50
3	Cement concrete plain using ratio including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:3:6 (5-i/16)	362.00	12595.00	%Cft	45,593.90
4	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.) (a) - R.C work in roof slab, beams, columns rafts, lintels and other structureal members laid in situ or precast laid in position complete in all respects. (I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17) (II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)	1,228.00 268.00	337.00 349.00	P.Cft P.Cft	413,836.00 93,532.00
5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars confirming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars). (8-b/17)	38.10	5001.70	P.Cwt	190,564.77
6	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead up to one chain and lift, upto 5 feet. (22/4)	1,572.00	3630.00	%OCft	57,063.60
7	providing termite control treatment by spraying/sprinkling/spreading Neptachler 0.5% Emulsion as an overall pre construction treatment in slab type construction along external foundation trenches of the building over complete perimeter of the foundation trenches etc, complete as per direction of Engineer incharge. (91/109)	635.00	40.10	P.Rft	25,463.50
8	Damp proof course with (Cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick) (28-b/19)	74.00	3912.85	%Sft	2,895.51
9	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19) 6 inch thickness	516.00	15771.01	%Cft	81,378.41
10	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)	2,800.00	3015.76	%Sft	84,441.28

BOQ-(C)-4

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	1,039,067.51
11	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-c/52)	164.00	3275.50	%Sft	5,371.82
12	Preparing the surface and painting with matt finish i/c rubbing the surface with batty (Silicon carbide rubbing Brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying 1st coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete. (new surface). (36-a+b+b/55)	1,396.00	3444.38	%Sft	48,083.54
13	Distempering three coats. (24-c/54)	564.00	1079.65	%Sft	6,089.23
14	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. (38-A+B+B/56)	1,620.00	2567.95	%Sft	41,600.79
15	First class deodar wood wrought, joinery in doors and windows etc. fixed in position includig Choekats, hold fasts, hinges, iron tower bolts, chocks, cleats, handles and corda with hooks etc. Deodar paneled, or paneled and glazed or fully glazed. (7-b/58)	84.00	1430.00	P.Sft	120,120.00
16	Supplying and fixing in position Aluminum channels framing for sliding windows and ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) etc. Complete - Deluxe Model (Bronze) (84-b/108)	132.00	1647.69	P.Sft	217,495.08
17	Preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standard braces, etc.) and similar open work. (5-d-i+ii+ii/70)	240.00	1270.83	%Sft	304,999.20
	TOTAL AMOUNT (A)				1,782,827.17

II. CIVIL WORKS PART - B (NON SCHEDULE ITEMS)

1	Providing and fixing wooden shuttering for situ including cost of all material, tools and labour, transportation etc. complete in all respects.	4,000.00		P.Sft	
2	Providing and applying three coats of Spirit polish of approved make on new wood works including rubbing and repairing the surface to prepare the surface for polishing, including the cost of all labor and materials, Complete in all respects.	126.00		P.Sft	
3	Providing and fixing porcelene tiles non-skid full body of approved quality shade and design 12" x 12", setting in cement mortar or dry bond, filling joints with white cement cleaning curingincluding skirting andwastage, complete.	180.00		P.Sft	

4	Providing and fixing porcelene tiles for Dado or skirting of approved quality shade and design, setting in cement mortar or dry bond, filling joints with white cement with pigment, cleaning curing including skirting and wastage, including cost of all material and labour. complete in all respects.	40.00	P.Sft C / O
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BOQ-(C)-5

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	
5	Providing and fixing Ceramic Tiles size 6" x 12" on floor and walls with border imported of approved shade and quality laid over a base of class "C" concrete, setting tiles in cement slurry and filling the joints with white cement or pigment of approved shade including wastage, washing, cleaning and curing complete. (for washrooms)	382.00		P.Sft	
6	Providing and fixing in position iron / steel grill using solid square bars of size 1/2"x1/2" placed @ 4" c/c and frame of flat iron Patti of 3/4"x3/4" i/c circle shape @ 1-0 a equivalent fitted with screws or pins i/c painting 03 coats with 1st coat of red oxide paint etc. complete. (42" Height)	120.00		P.Sft	
				TOTAL AMOUNT (B)	
				GRAND TOTAL (A + B)	

WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF SUB-STATION.

BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. <u>CIVIL WORKS</u> PART - A (SCHEDULE ITEMS)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	900.00	3176.25	%oCft	2,858.63
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	262.00	11288.75	%Cft	29,576.53
3	Cement concrete plain using ratio including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:3:6 (5-i/16)	315.00	12595.00	%Cft	39,674.25
4	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.) (a) - R.C work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17)	1,163.00	337.00	P.Cft	391,931.00
	(II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)	121.00	349.00	P.Cft	42,229.00
5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars conforming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars). (8-b/17)	54.60	5001.70	P.Cwt	273,092.82
6	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead up to one chain and lift, upto 5 feet. (22/4)	2,730.00	3630.00	%0Cft	99,099.00
7	providing termite control treatment by spraying/sprinkling/spreading Neptachler 0.5% Emulsion as an overall pre construction treatment in slab type construction along external foundation trenches of the building over complete perimeter of the foundation trenches etc, complete as per direction of Engineer incharge. (91/109)	640.00	40.10	P.Rft	25,664.00

8	Damp proof course with (Cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick) (28-b/19)	45.00	3912.85	%Sft	1,760.78
9	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19)				
	6 inch thickness	388.00	15771.01	%Cft	61,191.52
10	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)	2,423.00	3015.76	%Sft	73,071.86
				C / O	1,040,149.39

BOQ-(C)-7

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	1,040,149.39
12	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-c/52)	750.00	3275.50	%Sft	24,566.25
13	Preparing the surface and painting with matt finish i/c rubbing the surface with batty (Silicon carbide rubbing Brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying 1st coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete. (new surface). (36-a+b+b/55)	1,013.00	3444.38	%Sft	34,891.57
14	Distempering three coats. (24-c/54)	750.00	1079.65	%Sft	8,097.38
15	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. (38-A+B+B/56)	1,410.00	2567.95	%Sft	36,208.10
16	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-D/52)	500.00		%Sft	
	TOTAL AMOUNT (A)				1,143,912.68

II. CIVIL WORKS PART - B (NON SCHEDULE ITEMS)

1	Providing and fixing wooden shuttering for situ including cost of all material, tools and labour, transportation etc. complete in all respects.	940.00		P.Sft	
2	Providing and fixing in position iron / steel grill using solid square bqrs of size 1/2"x1/2" place @ 4" c/c and frame of flat iron Patti of 3/4"x3/4" i/c circle shape @ 1-0 a equivalent fitted with screws or pins i/c painting 03 coats with 1st coat of red oxide paint etc. complete. (42" Height)	100.00		P.Sft	
3	Providing and fixing porcelene tiles non-skid full body of approved quality shade and design 12" x 12", setting in cement mortar or dry bond, filling joints with white cement cleaning curing including skirting and wastage, complete.	360.00		%Sft	

TOTAL AMOUNT (B)

BOQ-(C)-8

WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF MASJID/PRAYER AREA.

BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. CIVIL WORKS PART - A (SCHEDULE ITEMS)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	5,256.00	3176.25	%oCft	16,694.37
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	1,077.00	11288.75	%Cft	121,579.84
3	Cement concrete plain using ratio including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:3:6 (5-i/16)	1,750.00	12595.00	%Cft	220,412.50
4	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.) (a) - R.C work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17) (II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)	1,210.00 465.00	337.00 349.00	P.Cft P.Cft	407,770.00 162,285.00
5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars confirming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars). (8-b/17)	128.40	5001.70	P.Cwt	642,218.28
6	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead up to one chain and lift, upto 5 feet. (22/4)	5,720.00	3630.00	%0Cft	207,636.00

7	providing termite control treatment by spraying/sprinkling/spreading Neptachler 0.5% Emulsion as an overall pre construction treatment in slab type construction along external foundation trenches of the building over complete perimeter of the foundation trenches etc, complete as per direction of Engineer incharge. (91/109)	1,572.00	40.10	P.Rft	63,037.20
9	Damp proof course with (Cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick) (28-b/19)	134.00	3912.85	%Sft	5,243.22
9	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19)				
	6 inch thickness	672.00	15771.01	%Cft	105,981.19
10	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)	5,044.00	3015.76	%Sft	152,114.93
				C / O	2,104,972.53

BOQ-(C)-9

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	2,104,972.53
11	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-c/52)	2,122.00	3275.50	%Sft	69,506.11
12	Providing and fixing of Jute felt paper 60 Lbs. over roof i/c cleaning of roof with wire brush and removing dust, applying bitumen coat @ 34 lbs. per % Sft as premix inter coats and then applying felt paper with 10% overlaps, then applying and spreading Hill sand @ one Cft. per % Sft. The cost also includes necessary fire material, kerosene oil, wood etc. (42/39)	2,122.00	91.50	P.Sft	194,163.00
13	Preparing the surface and painting with matt finish i/c rubbing the surface with batty (Silicon carbide rubbing Brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying 1st coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete. (new surface). (36-a+b+b/55)	5,044.00	3444.38	%Sft	173,734.53
14	Distempering three coats. (24-c/54)	2,122.00	1079.65	%Sft	22,910.17
15	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. (38-A+B+B/56)	3,568.00	2567.95	%Sft	91,624.46
16	First class deodar wood wrought, joinery in doors and windows etc. fixed in position including Choekats, hold fasts, hinges, iron tower bolts, chocks, cleats, handles and cords with hooks etc. Deodar paneled, or paneled and glazed or fully glazed. (7-b/58)	48.00	1430.00	P.Sft	68,640.00
17	Supplying and fixing in position Aluminum channels framing for sliding windows and ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) etc. Complete - Deluxe Model (Bronze) (84-b/108)	200.00	1647.69	P.Sft	329,538.00
18	Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of joints. (1" thick flooring) (28-b/43)	796.00	628.93	P.Sft	500,628.28

19	Fabricating & fixing steel grated doors with 1/16" sheeting including angle iron frame 2" x 2" x 3/8" and 3/4" square bars @ 4" c/c with locking arrangement etc., complete.	105.00		P.Sft	
20	Preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standard braces, etc.) and similar open work. (5-d-i+ii+ii/70)	868.00	1270.83	%Sft	1,103,080.44
		TOTAL AMOUNT (A)			

II. CIVIL WORKS PART - B (NON SCHEDULE ITEMS)

1	Providing and fixing wooden shuttering for situ including cost of all material, tools and labour, transportation etc. complete in all respects.	3,610.00		P.Sft	
2	Providing and applying three coats of Spirit polish of approved make on new wood works including rubbing and repairing the surface to prepare the surface for polishing, including the cost of all labor and materials, Complete in all respects.	131.00		P.Sft C / O	

BOQ-(C)-10

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
B / F					
3	Providing and fixing Ceramic Tiles size 6" x 12" on floor and walls with border imported of approved shade and quality laid over a base of class "C" concrete, setting tiles in cement slurry and filling the joints with white cement or pigment of approved shade including wastage, washing, cleaning and curing complete. (for washrooms)	1,152.00		P.Sft	
4	Providing and fixing in position iron / steel grill using solid square bars of size 1/2"x1/2" place @ 4" c/c and frame of flat iron Patti of 3/4"x3/4" i/c circle shape @ 1-0 a equivalent fitted with screws or pins i/c painting 03 coats with 1st coat of red oxide paint etc. complete. (42" Height)	224.00		P.Sft	
		TOTAL AMOUNT (B)			
		GRAND TOTAL (A + B)			

BOQ-(C)-11

WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF WATCH TOWER.
BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. CIVIL WORKS PART - A (SCHEDULE ITEMS)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	4,848.00	3176.25	%oCft	15,398.46
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	1,948.00	11288.75	%Cft	219,904.85
3	Cement concrete plain using ratio including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:3:6 (5-i/16)	700.00	12595.00	%Cft	88,165.00
4	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.) (a) - R.C work in roof slab, beams, columns rafts, lintels and other structureal members laid in situ or precast laid in position complete in all respects. (I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17) (II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)	6,544.00 2,464.00	337.00 349.00	P.Cft P.Cft	2,205,328.00 859,936.00

5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars conforming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars).	408.00	5001.70	P.Cwt	2,040,693.60
6	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead up to one chain and lift, upto 5 feet. (22/4)	3,380.00	3630.00	%0Cft	122,694.00
7	providing termite control treatment by spraying/sprinkling/spreading Neptachler 0.5% Emulsion as an overall pre construction treatment in slab type construction along external foundation trenches of the building over complete perimeter of the foundation trenches etc, complete as per direction of Engineer incharge. (91/109)	1,050.00	40.10	P.Rft	42,105.00
8	Damp proof course with (Cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick) (28-b/19)	210.00	3912.85	%Sft	8,216.99
9	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19)				
	6 incn thickness	9,360.00	15771.01	%Cft	1,476,166.54
10	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)	21,840.00	3015.76	%Sft	658,641.98
				C / O	7,737,250.42

BOQ-(C)-12

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	7,737,250.42
12	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-c/52)	3,748.00	3275.50	%Sft	122,765.74
13	Providing and fixing of Jute felt paper 60 Lbs. over roof i/c cleaning of roof with wire brush and removing dust, applying bitumen coat @ 34 lbs. per % Sft as premix inter coats and then applying felt paper with 10% overlaps, then applying and spreading Hill sand @ one Cft. per % Sft. The cost also includes necessary fire material, kerosene oil, wood etc. (42/39)	3,748.00	91.50	P.Sft	342,942.00
14	Preparing the surface and painting with matt finish i/c rubbing the surface with batty (Silicon carbide rubbing Brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying 1st coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete. (new surface). (36-a+b/55)	9,360.00	3444.38	%Sft	322,393.97
15	Distempering three coats. (24-c/54)	5,280.00	1079.65	%Sft	57,005.52
16	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. (38-A+B/56)	12,480.00	2567.95	%Sft	320,480.16
17	First class deodar wood wrought, joinery in doors and windows etc. fixed in position including Choekats, hold fasts, hinges, iron tower bolts, chocks, cleats, handles and corda with hooks etc. Deodar paneled, or paneled and glazed or fully glazed. (7-b/58)	420.00	1430.00	P.Sft	600,600.00

18	Supplying and fixing in position Aluminum channels framing for sliding windows and ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) etc. Complete - Deluxe Model (Bronze) (84-b/108)	720.00	1647.69	P.Sft	1,186,336.80
19	Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of joints. (1" thick flooring) (28-b/43)	5,304.00	628.93	P.Sft	3,335,844.72
20	Preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standard braces, etc.) and similar open work. (5-d-i+ii+ii/70)	1,440.00	1270.83	%Sft	1,829,995.20
TOTAL AMOUNT (A)					15,855,614.52

II. CIVIL WORKS PART - B (NON SCHEDULE ITEMS)

- Providing and fixing wooden shuttering for situ including cost of all material, tools and labour, transportation etc. complete in all respects. 2,080.00 P.Sft
- Providing and applying three coats of Spirit polish of approved make on new wood works including rubbing and repairing the surface to prepare the surface for polishing, including the cost of all labor and materials, Complete in all respects. 1,560.00 P.Sft

C / O

BOQ-(C)-13

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
B / F					
3	Providing and fixing porcelene tiles non-skid full body of approved quality shade and design 12" x 12", setting in cement mortar or dry bond, filling joints with white cement cleaning curing including skirting and wastage, complete.	2,704.00		P.Sft	
4	Providing and fixing porcelene tiles for Dado or skirting of approved quality shade and design, setting in cement mortar or dry bond, filling joints with white cement with pigment, cleaning curing including skirting and wastage, including cost of all material and labour. complete in all respects.	416.00		P.Sft	
5	Providing and fixing in position iron / steel grill using solid square bqrs of size 1/2"x1/2" place @ 4" c/c and frame of flat iron Patti of 3/4"x3/4" i/c circle shape @ 1-0 a equivalent fitted with screws or pins i/c painting 03 coats with 1st coat of red oxide paint etc. complete. (42" Height)	720.00		P.Sft	

TOTAL AMOUNT (B)

GRAND TOTAL (A + B)

BOQ-(C)-14

WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF CANTEEN BUILDING.
BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. <u>CIVIL WORKS</u> PART - A (<u>SCHEDULE ITEMS</u>)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	5,190.00	3176.25	%oCft	16,484.74
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	991.00	11288.75	%Cft	111,871.51
3	Cement concrete plain using ratio including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:3:6 (5-i/16)	436.00	12595.00	%Cft	54,914.20
4	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.)				

(a) - R.C work in roof slab, beams, columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.					
(I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17)					
	2,476.00	337.00	P.Cft	834,412.00	
(II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)					
	241.00	349.00	P.Cft	84,109.00	
5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars confirming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars). (8-b/17)				
	114.40	5001.70	P.Cwt	572,194.48	
6	Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead up to one chain and lift, upto 5 feet. (22/4)				
	5,250.00	3630.00	%0Cft	190,575.00	
7	providing termite control treatment by spraying/sprinkling/spreading Neptachler 0.5% Emulsion as an overall pre construction treatment in slab type construction along external foundation trenches of the building over complete perimeter of the foundation trenches etc, complete as per direction of Engineer incharge. (91/109)				
	1,180.00	40.10	P.Rft	47,318.00	
8	Damp proof course with (Cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick) (28-b/19)				
	145.00	3912.85	%Sft	5,673.63	
9	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19)				
	6 inch thickness	768.00	15771.01	%Cft	121,121.36
10	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)				
	4,797.00	3015.76	%Sft	144,666.01	
				C / O	2,183,339.93

BOQ-(C)-15

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
				B / F	2,183,339.93
11	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (12-c/52)	1,050.00	3275.50	%Sft	34,392.75
12	Preparing the surface and painting with matt finish i/c rubbing the surface with batty (Silicon carbide rubbing Brick) filling the voids with zinc/chalk/plaster of Paris mixture, applying 1st coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete. (new surface). (36-a+b+b/55)	2,847.00	3444.38	%Sft	98,061.50
13	Distempering three coats. (24-c/54)	1,400.00	1079.65	%Sft	15,115.10
14	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. (38-A+B+B/56)	1,950.00	2567.95	%Sft	50,075.03

15	First class deodar wood wrought, joinery in doors and windows etc. fixed in position including Choekats, hold fasts, hinges, iron tower bolts, chocks, cleats, handles and corda with hooks etc. Deodar paneled, or paneled and glazed or fully glazed. (7-b/58)	128.00	1430.00	P.Sft	183,040.00
16	Supplying and fixing in position Aluminum channels framing for sliding windows and ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) etc. Complete - Deluxe Model (Bronze) (84-b/108)	263.00	1647.69	P.Sft	433,342.47
17	Preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standard braces, etc.) and similar open work. (5-d-i+ii+ii/70)	526.00	1270.83	%Sft	668,456.58
TOTAL AMOUNT (A)					

II. CIVIL WORKS PART - B (NON SCHEDULE ITEMS)

1	Providing and fixing wooden shuttering for situ including cost of all material, tools and labour, transportation etc. complete in all respects.	1,300.00	P.Sft
2	Providing and fixing of Gypsum board false ceiling of approved size, design and shade with drop pannels of gypsum board and wooden strips (4" x 2") lamihated with spirit polish as shown in drawings, using Aluminum strips including all accessories with built in lighting fixture and G.I wire hangers with 18 SWG adjuster at any elevation, including all materials, fixtures, accessories, all labour, scaffolding etc. complete in all respects.	754.00	P.Sft
3	Providing and applying three coats of Spirit polish of approved make on new wood works including rubbing and repairing the surface to prepare the surface for polishing, including the cost of all labor and materials, Complete in all respects.	288.00	P.Sft
C / O			

BOQ-(C)-16

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
B / F					
4	Providing and fixing porcelene tiles non-skid full body of approved quality shade and design 12" x 12", setting in cement mortar or dry bond, filling joints with white cement cleaning curingincluding skirting andwastage, complete.	1,050.00		P.Sft	
5	Providing and fixing porcelene tiles for Dado or skirting of approved quality shade and design, setting in cement mortar or dry bond, filling joints with white cement with pigment, cleaning curing including skirting and wastage, including cost of all material and labour. complete in all respects.	127.00		P.Sft	
6	Providing and fixing Ceramic Tiles size 6" x 12" on floor and walls with boder imported of approved shade and quality laid over a base of class "C" concrete, setting tiles in cement slurry and filling the jointswith white cement or pigment of approved shade including wastage, washing, cleaning and curing complete. (for washrooms)	378.00		P.Sft	

7	Providing and fixing wooden kitchen cabinets / cansole, using Lasani wood with lamination of 3/4" thick and pertal wood frame 2" x 2", with 3 coats of spirit polish complete fixtures, all hardware, including all fittings, hinges, handles, cabinet closers, with etc. complete in all respects.	160.00	P.Sft
8	Providing and fixing best quality Black granite polished of 3/4" in thickness for stair cases steps and kitchen counter top of approved size, shade, setting in cement mortar or dry bond, cleaning curing including the cost of all material and labour. complete in all respects.	86.00	P.Sft
9	Providing and fixing in position iron / steel grill using solid square bqrs of size 1/2"x1/2" place @ 4" c/c and frame of flat iron Patti of 3/4"x3/4" i/c circle shape @ 1-0 a equivalent fitted with screws or pins i/c painting 03 coats with 1st coat of red oxide paint etc. complete. (42" Height)	263.00	P.Sft



WORKS & SERVICES DEPARTMENT
CONSTRUCTION OF COMPOUND WALL .
BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	RATE (RS)	UNIT	AMOUNT
I. <u>CIVIL WORKS</u> PART - A (<u>SCHEDULE ITEMS</u>)					
1	Excavation in ordinary soil in foundation of buildings, Bridges and other structures including dressing, refilling around structures with excavated earth watering and ramming lead upto 5 ft. (b) In ordinary soil (18-c/4)	21,450.00	3176.25	%oCft	68,130.56
2	Cement concrete plain using including placing, compacting, finishing and curing and, complete (including, screening and washing of stone aggregate, without shuttering.) Ratio 1:4:8 (5-i/16)	3,590.00	11288.75	%Cft	405,266.13

3	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement & it's labour for bending and binding which will be paid separately. This rate also includes all kind of forms, moulds, lifting, curing rendering & finishing the exposed surface (including screening and washing of shingle.) (a) - R.C work in roof slab, beams, columns rafts, lintels and other structureal members laid in situ or precast laid in position complete in all respects. (I) - Ratio (1:2:4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (6-a-I/17) (II) - Ratio (1 : 1-1/2 : 3) (6-a-II/17)	8,975.00 1,577.00	337.00 349.00	P.Cft P.Cft	3,024,575.00 550,373.00
5	Fabrication of steel reinforcement for cement concrete using hot rolled deformed Billet steel bars confirming to ASTM-A615 i/c cutting, bending and laying in position, making joints, chairs & fastening i/c cost of binding wire (also i/c removal of rust from bars). (8-b/17)	32.56	5001.70	P.Cwt	162,855.35
6	Damp proof course with (Cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (2" thick) (28-b/19)	1,200.00	3912.85	%Sft	46,954.20
7	Providing and laying 1:3:6 Cement concrete solid block masonry wall 6 inch and below in thickness set in 1:6 cement mortar in ground floor and superstructure, including racking out joints curing etc. (24/19) 6 inch thickness	850.00	15771.01	%Cft	134,053.59
8	Cement plaster 1:4 upto 12" height 3/4" thick. (12-c/52)	29,617.00	3015.76	%Sft	893,177.64
9	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. (38-A+B+B/56)	29,617.00	2567.95	%Sft	760,549.75
	TOTAL AMOUNT (A)				6,045,935.22

BOQ-(C)-18