

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY
NAWABSHAH

Summary of Cost for Telecommunication Engineering Department

A- Scheduled Items			
1	Schedule Civil Works except steel and RCC	Rs.	
2	Schedule Civil Works steel		
3	Schedule Civil Works except RCC		
4	Non schedule Architectural Works		
Total-1		Rs.	
Schedule Plumbing Works			
1	Schedule Plumbing Works SI	Rs.	
2	Non Schedule Plumbing Works		
Total-2		Rs.	
Different cost of SR cement & Cartage			
1	Cartage	Rs.	6,644,868.95
2	Different cost of SR cement		33,361.20
Total-3		Rs.	6,678,230.15
Total -1+2+3		Rs.	
External development			
1	Drainage Work	Rs.	
2	External development	Rs.	
Total- 4			
Grand Total		Rs.	

Project Director

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY
NAWABSHAH

Bill of Quantities for Telecommunication Engineering Department

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-01	EXCAVATION FOR FOUNDATION Excavation in foundation of building bridges and other structures including dagbelling, dressing, refilling around structure with excavated earth watering and ramming lead up to 5 ft. i) In ordinary soil. Item 18(b) Page-4	38,916.00	%0 cft	3176.25	123,606.95
Item-02	EARTH FILLING i) Filling, watering and ramming earth in floor with surplus earth from foundation lead up to one chain and lift up to 5 ft. Item 21 Page-4	17,758.00	%0 cft	1512.5	26,858.98
Item-03	EARTH FILLING i) Filling, watering and ramming earth in floor with new earth excavated from our side lead up to one chain and lift up to 5 ft. Item 21 Page-4		%0 cft	3630.00	-
Item-04	P.C.C (1:4:8) Cement concrete plain (1:4:8) using sulphate resistant cement type (v) including placing, compacting, finishing, curing, complete, (including screening and washing of stone aggregate without shuttering). Item 5(i) Page-16	8,734	% cft	11288.75	985,959.43
Item-05	P.C.C (1:3:6) Cement concrete plain (1:3:6) using sulphate resistant cement type (v) including placing, compacting, finishing, curing, complete, (including screening and washing of stone aggregate without shuttering). Item 5(h) Page-16	2,851	% cft	12595	359,083.45
Item-06	CEMENT PLASTER UPTO PLINTH Cement Neru plaster 1:2 using sulphate resistant cement type (v) Item 5(b) Page-51	7,890	% sft	1438.46	113,494
Item-07	BRICK MASONRY IN FOUNDATION & PLINTH Pacca brick work in foundation & plinth in cement sand mortar 1:6 using sulphate resistant cement type (v). Item 4(e) Page-25	5,487	% cft	11948.36	655,606.51
Item-08	GRADED STONE Dry rammed brick or stone ballast 1½" to 2" Item (2) Page-15	6,489	% cft	3327.5	215,921.48
Item-09	ORNAMENTAL JALI Providing and fixing ornamental cement jali 2" thick (1:2:4) with out steel. Item 11 Page-17	1,650	per sft	226.02	372,933.00

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-10	C.I MAN HOLE COVER AND FRAME Providing and fixing C.I Manhole Cover with frame i/c cost of material. Item (j) 1 Page-35	2	CWT	6985	13,970.00
Item-11	BRICK MASONRY IN SUPER STRUCTURE (ABOVE PLINTH LEVEL) Providing and laying approved first class burnt brick masonry in super structure walls at any height and any floor, laid and jointed with cement and approved source sand machine mixed mortar, masonry to be laid in course true to line, level and plumbing, protected and properly cured including scaffolding and providing deep joints to receive rendering. All work to be completed as per drawings and specifications, including P/F specified anchorage with concrete members and directed by the Engineer Internal Walls i. <u>Ground Floor (Item No. 5, (i e) & 6 ii (where required))</u> 4 1/2" thick and above internal/external walls in (1:4) CSM 9" thick and above internal/external walls in (1:6) CSM <u>Ground Floor (Item No. 5, (i e) & 6 ii (where required))</u> ii 4 1/2" thick and above internal/external walls in (1:4) CSM 9" thick and above internal/external walls in (1:6) CSM iii) Mumty / roof level/parapet 4 1/2" thick and above internal/external walls in (1:4) CSM Item-5, Page 21	1,190.00 15,474.00 1,143.00 13,749.00 1,150.00	cft. cft. cft. cft. cft.	132.27 126.74 138.00 131.12 143.73	157,401.30 1,961,174.76 157,734.00 1,802,768.88 165,289.50
Item-12	GLAZED CERAMIC TILES DADO (MASTER/EQUIVALENT MAKE) Providing and fixing glazed ceramic tiles of size as below of approved make and texture shade in dado set over cement slurry and filling the joints with neat white cement with matching pigments including 3/4" thick base plaster of cement, sand (1:4) with curing and cleaning etc., complete as per drawings, specifications and as directed by the Engineer i. Ground Floor + First Floor b) 12"x18"/any size approved by engineer Item-38, Page 45	2,953.00	sft.	282.97	835,610.41

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-13	NON SKID CERAMIC FLOORING TILE Providing and laying non skid ceramic tiles 12"x12" in floor of approved shade with cement slurry laid in slope towards floor drain and including filling the joints in neat white pigment to match the color of tiles in floors etc., complete as per drawings, specifications and as directed by the Engineer				
i.	Ground Floor + First Floor Item-25, Pag 43	1,890.00	sft.	277.47	524,418.30
Item-14	Plain Cement Sand Wall Plastering, Chapter No.9, Page 52 Providing and applying 3/4" thick plaster at any floor or at any height using approved quality sand preferably machine mixed mortar, including all bends, corners, recesses including scaffolding and hacking the concrete surfaces, arching the masonry joints and providing 8" wide GI wire mesh of 17 SWG 1"x1" size fixed with GI staples on masonry joints, concrete joints. All plaster to be finishes smooth with steel float in true to level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer.				
i.	Ground Floor, Item No. 13 c Internal walls/columns plaster 3/8" thick in 1:6 CSM				
a)	Ground Floor	49,853.00	%sft.	2,122.72	1,058,239.60
b)	1st floor	46,918.00	%sft.	2,262.72	1,061,622.97
c)	/ Mumty		%sft.	2,423.93	-
ii.	Ground Floor + First Floor, Item No. 11 (c) External Surfaces 1/2" thick 1:4 CSM on walls/up stand/down stand beam projection.				
a)	Ground Floor	11,574.00	%sft.	2,283.93	264,342.06
b)	1st floor	7,867.00	%sft.	2,262.72	178,008.18
c)	Parapet / Mumty	9,548.00	%sft.	2,423.93	231,436.84
	Chapter No. 9, Page 52				
Item-15	Distempering Three Coats Item-24 (c), Page 53	96,771.00	sft.	10.79	1,044,159.09
Item-16	Preparing surface and painting with weather coat including rubbing the surface, filling and painting with weather coat of approved make, complete (new surface) three coats				
a)	Plaster surface external	28,989.00	sft.	25.68	744,437.52
b)	Cement concrete jali	2,415.00	sft.	25.68	62,017.20
	Item - 38 A+B, Page 56				
Item-17	cement pointing struck joints on walls Item-19 (a), Page 53	125.00	%sft.	1,287.44	1,609.30

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-18	1 1/2 " thick mosaic flooring consisting of 1/2" mosaic topping of one part of grey cement to two part of marble chips laid over 1 " thick flooring of 1:2:4 cement concrete including rubbing and polishing complete Item-22, Page 42	105.00	%sft.	9,258.67	9,721.60
Item-19	Extra labor rate for making grooves of 1"x1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc. complete as per instruction of Engineer Incharge Item-34, Page 55	4,925.00	rft.	7.71	37,971.75
Item-20	Extra labor for making cement plaster pattas/band where required width not less than 6" width fine finishing as directed Item-35, Page 55	1,562.00	rft.	19.25	30,068.50
Item-21	Providing and laying deodar wood wardrobe including boxing with back shelves shutters of MDF 3/4" thick both side laminated with drawers and brass fittings such as handles piano hinges locking arrangement rod, shoe rack, complete as per approved design (except paint / polish) Item-24, Page 61	450.00	sft.	2,364.65	1,064,092.50
Item-22	Providing and applying three coats of enamel painting (Mat finish/all rounder including cleaning, approved make premixed putty filling, sand papering and a coat of primer complete as per manufacturers standards and as directed by the Engineer i. On wood surface /steel chowket three coats Item-5 (c) (I) & (II), Page 70	1,675.00	sft.	21.16	35,443.00
Item-23	Providing and laying French polish complete on new wood surface Item-7, Page 71	945.00	sft.	38.42	36,306.90
Item-24	ALUMINIUM DOORS / WINDOWS / VENTILATORS Providing and fixing 2mm sectional thickness 101 mm wide of approved color aluminum doors/windows/ventilators including 5mm thick approved glass fixed to concrete or masonry surfaces by means of plastic fisher plugs, screws for windows and expansion bolt for door etc. inclusive but not limited to hinges, Matex Japan rollers, sliding lock having press buttons, handles, stays, PVC glazing gasket, caulking compound etc., complete as per drawings and as directed by the Engineer i. Door	231.00	sft.	1,507.66	348,269.46

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
ii.	Window partially fixed and partially sliding with out fly screen Items-83, 84 & 85, Page 108	3,152.00	sft.	1,449.69	4,569,422.88
Item-25	ROOF TREATMENT Second class tile roofing consisting of 4" earth and 1" mud plaster with gobreeping over 1/2" thick cement plaster 1:6 with 34 Lbs .of hot bitumen coating sand blinded ,provided over one layer of 12" x 6" x 2" tiles laid in 1:6 mortar including 1:2 cement pointing underneath of tiles complete including curing etc.				
i.	On Roof Item-2, Page 33	18,820.00	% sft	7,607.25	1,431,684.45
Item-26	POLYTHENE SHEET Providing and laying under floors or where required black low density flexible polythene sheet of single thickness not less than 0.46mm and weighing approximately 0.48 KG per SQ.M or in two layers having matching weight including the side and end laps of 4" width turning 4" on walls and sealing all the joints with masking tape etc., complete as per drawings, specifications and as directed by the Engineer				
	On Top Roof Item-38, Page 44	19,515.00	% sft	364.00	71,034.60
Item-27	DAMP PROOF COURSE (2" thick) (S.R) Damp proof course with cement sand & shingle/crush concrete (1:2:4) using sulphate resistant cement type (v) including 2 coats of asphaltic mixture. (Over Walls) Item 28(b) Page-19	1,840.00	% sft	3,912.85	71,996.44
Item-28	Providing and fixing approved quality mortice lock. Page 57, Item 21	59.00	each	1,786.13	105,381.67
Item-29	Priming coat of chalk distemper. Item-23, Page 53	96,771.00	%sft	442.75	428,453.60
Item-30	Two coats of Bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft P% Sft. Item 13- Page 35	16,054.00	%sft	1,887.40	303,003.20
	TOTAL				21,660,554.74
	% LESS ON SCHEDULE RATES				
	TOTAL FOR SCHEDULE ITEMS				
	Civil Work Steel				
Item-31	STEEL REINFORCEMENT Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints fastenings, including cost of binding wire also includes removal of rust from Tor bars.				

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
	i) Ground Floor Using Tor bar	2,664.0	per Cwt	5001.7	13,324,528.80
	ii) 1st Floor Using Tor bar	1,785.0	per Cwt	5013.8	8,949,633.00
	Item 8(a) page-17				
	TOTAL				22,274,161.80
	% below/above ON SCHEDULE RATES				
	TOTAL FOR SCHEDULE ITEMS				
	REINFORCED CEMENT CONCRETE (S.R Cement)				
Item-31	Reinforced cement concrete (1:2:4) using sulphate resistant cement type (v) or more rich to provide 6"x12" cylinder strength of 3000 psi at 28 days age (equivalent cube strength = 3750 psi) including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing exposed surface including screening and washing of stone aggregate.				
	i) Footing	8,870	per cft	337	2,989,190
	ii) Tie Beam	2,689	per cft	337	906,193
	iii) Grade Slab	5,860	per cft	337	1,974,820
	Item 6(a)(I) Page-17				
	REINFORCED CEMENT CONCRETE (S.R Cement)				
Item-32	Reinforced cement concrete (1:1½:3) using sulphate resistant cement type (v) or more rich to provide 6"x12" cylinder strength of 4000 psi at 28 days age (equivalent cube strength = 4500 psi) including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing exposed surface including screening and washing of stone aggregate.				
	i) Column upto plinth	977	per cft	349	340,973
	ii) R.C.C Wall	138	per cft	349	48,162
	Item 6(a)(II) Page-17				
Item-33	REINFORCED CEMENT CONCRETE (S R Cement) Reinforced cement concrete (1:1½:3) or more rich to provide 6"x12" cylinder strength of 4000 psi at 28 days age (equivalent cube strength = 4500 psi) including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing exposed surface including screening and washing of stone aggregate.				

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
	i) Ground Floor				
	a) Columns	3,515	per cft	349	1,226,735
	b) Beams	5,480	per cft	349	1,912,520
	c) Slabs	9,682	per cft	349	3,379,018
	d) Lintels	611	per cft	349	213,239
	e) Stairs	242	per cft	349	84,458
	f) Parapet	408	per cft	349	142,392
	g) Ramp	184	per cft	349	64,216
	h) Planter	300	per cft	349	104,700
	i) Wall	449	per cft	349	156,701
	Item 6(a)(II) Page-17				
	ii) First Floor				
	a) Columns	2,508	per cft	361.1	905,639
	b) Beams	6,179	per cft	361.1	2,231,237
	c) Slabs	9,096	per cft	361.1	3,284,566
	d) Lintels	609	per cft	361.1	219,910
	e) Parapet	1,720	per cft	361.1	621,092
	f) Wall	615	per cft	349	214,635
	Item 6(a)(II) Page-17				
	TOTAL				21,020,395.20
	At par				
	TOTAL FOR SCHEDULE ITEMS				

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TELECOMMUNICATION ENGINEERING DEPARTMENT

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Porcelain Floor Tiles Providing and laying imported/local matt finish Porcelain tile in size 16"x16" of approved make, colour, and shade with patches/borders pattern, laid on cement paste having addition of tile bond at 15% by weight of cement laid over 1" thick 1:3 cement sand base mortar, over existing PCC 1:2:4 (cost excluded) complete as per detail shown on the drawing, specifications, and as directed by the Engineer				
2	Same as above but 16"x16" size at any floor Porcelain Skirting Tiles Providing and fixing of imported/local porcelain skirting 4" high and 16" length in size of approved make, colour and shade fixed with cement paste having addition of tile bond at 15% by weight of cement and filling the joints with neat white cement slurry with matching colour pigment including 3/4" thick base plaster of cement sand (1:4) with curing and cleaning etc, complete as shown on the drawing, specifications and as directed by the Engineer.	34,360	sft.		
3	Lasbella Bouticsena Cream Colour Marble Tiles Providing and laying Lasbella Boutescena Cream/equivalent (without streak) colour marble as per detail shown on the drawing counters / stair steps including landing and risers set over and including average 1" thick (1:3) CSM with cement slurry and grouting the joint with neat white cement mixed with colour pigment to match the marble colour including curing, grinding and chemical polishing etc, complete as per specifications, drawings and as directed by the Engineer. A) Stairs On Treads with bull nosing 3/4" thick i) size 4' to 6' x 12" to 15" ii) size 3' to 5' x 12" to 15" B) Risers i) size 4' - 6' x 0-6" 3/4" thick for stair steps ii) size 3' - 5' x 0-6" 3/4" thick for stair steps D) Marble skirting 1/2" thick, 4" high E) Marble on Cabinets/vanity (3/4" thick bull nosed) i) size 5' to 6' x 3' wide F) Marble on Cabinets/vanity (3/4" thick bull nosed) i) size 12" x 12"				
		127	sft.		
		145	sft.		
		45	sft.		
		38	sft.		
		355	rft		
		178	sft.		
		663	sft.		

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
4	Hydraulic Door Closer Providing and fixing Japan made locally available New Star Japan made hydraulic door closer to wood or aluminium door etc., complete as per drawings, specifications and as directed by the Engineer	59	Nos.		
5	Carpentry and Joinery				
a	Providing and laying single action solid core flush door shutter with commercial ply 3mm thick both sides, mild steel (galvanized) 20 gauge size 2"x6" door frame fixed with hold fasts with approved quality steel fittings and double action hinges concrete (1:2:4) and cement sand mortar (1:6) filled in door frame including 3 coats of paint of approved quality, complete in all respect.	1,827	sft.		
b	Providing and fixing first class deodar wood 1-1/2" thick paneled shutters with 4" wide stile, bottom rail 6" side and top and lock rail 4" wide and 20 gauge 2"x6" GI mild steel moulded sheet frame and fixing in position with concrete or CSM filling in frame including 2"x5/8" and 5/8"x5/8" deodar wood architrave beading at wall / frame joints on both sides, complete with panel of 3/4" deodar wood plank and deodar wood stopper 1/2" x2" (excluding matt finish enamel paint), approved iron hinges, door stoppers, CP brass fittings, handles, approved quality lock. Complete as per drawings, specifications and as directed by the Engineer	696	sft.		
6	Stair Case Railing Providing making and fixing 3'-0" high from the centre of tread Stainless Steel staircase railing consisting of 1-1/2" dia 14SWG stainless steel balustrade screwed down to base plate and 1/2" dia pipes crossing horizontally through balustrade as shown on the drawing including 2 1/2" dia stainless steel pipe hand rail welded to balustrade including base plate, rugs and S.S cover plate 3" dia etc, complete as per drawings as further directed by the Engineer.	138	sft.		
7	Stair Case Wall Bracket Railing (Type-II) Providing making and fixing stair case wall bracket railing consisting of 38 mm x 200mm solid deodar wood decorative hand rail having grooves on either sides fixed with rough wood block of size 38x75x100mm at 3'-0" c/c fixed over all, including lacquer polishing. Complete all as shown on the drawing and as directed by the Engineer	77	Rft		
8	Mineral fiber acoustical tile false ceiling 15 mm minimum thick Revealed 2'x2' mineral fiber acoustical false ceiling tile with surface pattern / design / texture, OWA Germany Made with adjustable GI hanger and imported T Section Frame accessories in approved colour to exposed surfaces, complete in all respects.	1,802.00	sft.		

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
9	Same as above but MS ties @ 3'-0" c/c horizontally @ 1'-6" vertically in cavity wall staggered a) Ground Floor	16,103.00	sft.		
	Total				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.					
			TELECOMMUNICATION ENGINEERING DEPTT.		
			PLUMBING WORKS		
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
PLUMBING WORKS (SCHEDULE ITEMS)					
1	Providing & fixing a squatting type white glazed earthenware W.C. pan with including the cost of flushing Cistern with internal fittings and flush pipe with bends & making requisite number of holes in wall, plinth and floor for pipe connection and making good in cement concrete 1:2:4. a: With 4" dia white glazed earthen ware trap & plastic thumble (item no. 1 chapter-1)	10	Each	5,044.60	50,446.00
2	Providing & fixing European type white glazed earthenware wash down W.C. pan complete with and including the cost of white/black-plastic seat (Best quality) and lid with C.P. brass hinges and buffers, 3 gallons white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2" dia. white procelain enamelled flush bend, 3/4" dia and making requisite No. of holes in walls, plinth & floor for pipe connetion and making good in cement concrete 1:2:4 (Foreign quality) (item No.5, chapter-1)	13	Each	11,470.40	149,115.20
3	Providing & fixing 24" x 18" lavatory basin in white glazed earthenware complete with and incuding the cost of W.I. Or C.I. Cantilever bracket 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia chrome plated pillar taps, 1-1/2" dia rubber plug and chrome plated brass chain, 1-1/4" dia malleable iron or brass, brass unions making requisite number of hole in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4, standard pattern including earthen ware glazed padestal (Item No.8, chapter-1)	24	Each	4,253.70	102,088.80
4	Providing and fixing steel sink stainless local make complete with cast iron or wrought iron brackets 6 nches built in wall, 1-1/2" rubber plug chrome plated brass chain 1-1/2" c.p. brass waste, with 1-1/2" PVC waste pipe and making requisite number of holes in wall and plinth and floor for pipe connection and making good in concrete 1:2:4 40"x20" local make (item No. 19a, chapter-1)	1	Each	5,052.30	5,052.30
5	Providing and fixing c.p. brass toilet paper holder of standard size with chrome plated brass brackets complete (superior quality) (item No.2b, chapter-2)	13	Each	572.00	7,436.00
6	Providing and fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats i) Towel rail 24" long. 3/4" dia round or square superior quality (item No. III(b), chapter-2)	20	Each	1,082.95	21,659.00
7	Providing & fixing 24" x 18" bavelled edge mirror of Belgium glass complete with 1/8" thick hardboard and c.p brass screw fixed to wooden i) Superior quality (item No.4(b)chapter-2)	24	Each	2,047.76	49,146.24

QUAD E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.					PLUMBING WORKS
TELECOMMUNICATION ENGINEERING DEPTT.					
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PLUMBING WORKS (SCHEDULE ITEMS)				
8	Providing & fixing soap tray earthen with c.p. brass screws etc. complete (item No.5, chapter -2)	24	Each	497.20	11,932.80
9	Supplying & fixing in position 1/2" dia. C.P. bib cocks standard pattern. (Item No. 2(i)b, chapter-6)	2	Each	150.92	301.84
10	Supplying & fixing in position 1/2" dia tee stop of superior quality with C.P. head (item No.12b, chapter-6).	43	Each	889.48	38,247.64
11	Providing & fixing handle valves (China). (Item No. i) 1/2" dia (15 mm)	0	Each	200.42	-
	ii) 3/4 " dia (20 mm)	13	Each	271.92	3,534.96
	iii) 1 " dia (25mm)	3	Each	365.42	1,096.26
	iv) 1-1/4" dia (32mm)	2	Each	475.42	950.84
	v) 1-1/2" dia. (40 mm)	2	Each	640.42	1,280.84
	vi) 2" dia (50 mm)	6	Each	1,382.92	8,297.52
	vii) 2-1/2" dia (63 mm),(item No4(B)vii., chapter-6)	4	Each	1,225.84	4,903.36
12	Providing G.I. Pipes, specials and clamps etc., l/c, fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., painting two coats after cleaning the pipe etc., with white zinc paint with pigment to match the colour of the building and testing with water to a pressure head of 200 feet and handling (item No.1, chapter-4)				
	i) 3" dia (for rain water disposal)	880	P.Rft	355.27	312,637.60
13	Supplying and fixing pillar cock of superior quality	25	Each	795.30	19,882.50
14	Supply / fixing wash basin mixer of superior /2 inch dia. Item No. 14(b),Chapter No. 6).	4	Each	3,179.00	12,716.00
15	Supply / fixing Sink mixer of superior quality with /2 inch dia. Item No. 17,Chapter No. 6).	1	Each	2,745.60	8.00
16	Supply / fixing C.P. Muslim shower with double bib cock and ring pipe etc complete, Item no.19(a), Chapter-6.)	23	Each	3,432.00	78,936.00
	TOTAL COST OF SCHEDULE ITEMS.				879,669.70
	PREMIUM % BELOW/ABOVE				
	TOTAL COST OF SCHEDULE ITEMS CARRIED TO SUMMARY				

QUAD E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.					PLUMBING WORKS
TELECOMMUNICATION ENGINEERING DEPTT.					
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PLUMBING WORKS (SCHEDULE ITEMS)				
	EXTERNAL WORKS (SCHEDULE ITEMS)				
	DRAINAGE SYSTEM				
1	Excavation in pipe line in trenches and pits in hard soil.	4500	%o Cft	3.90	17,550.00
2	Excavation in pipe line in trenches and pits in gravity soil.	9300	%o Cft	4.20	39,060.00
3	Providing and laying P.V.C. pipe class 'B' with collar. Make DADEX< POPULER or Eq.				
	i) Dia 150 mm	455	P.Rft	262.00	119,210.00
	ii) Dia 200 mm	925	P.Rft	402.00	371,850.00
4	Construction manhole or inspection chamber for the required dia of circular sewer of 3'-6" depth with walls of B.B. in cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls and 1" thick over benching and channels including fixing C.I. manhole cover with frame of clear opening 1-1/2" x 1-1/2" of 1.75 Cwt embedded in plain C.C. 1:2:4 and fixing 1" dia M.S. steps 6" wide projecting 4" from the face of wall at 1" C/C duly painted etc. complete as per specification and drawing No. D-P/1 of Public Health Circle, Southern Zone.				
	j) Internal dia of Sewer 100 mm to 150mm and internal size of Chamber 2'-0" x 2'-0" or Dia 2'-0" i	35	Each	14,748.00	516,180.00
5	Construction of Gully traps of 12"x12" internal size and required depth of max 18" with walls of in cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls including fixing of C.I. Cover and frame.	11	Each	1,358.17	14,939.87
	TOTAL COST OF SCHEDULE ITEMS.				1,078,789.87
	PREMIUM % BELOW/ABOVE			(-)	
	TOTAL COST OF SCHEDULE ITEMS CARRIED TO SUMMARY				

QUAD E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.				PLUMBING WORKS TELECOMMUNICATION ENGINEERING DEPTT.	
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PLUMBING WORKS (SCHEDULE ITEMS)				
	PLUMBING WORKS (NON SCHEDULE ITEMS)				
1	Providing and installation of P.P.R.C. Pipes, fittings specials and clamps etc., I/c, fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., flushing and cleaning the pipe etc., and testing with water to a pressure head of 200 feet. Make "VESBO, COSMOPLAST, DIZAYN or EQ.) onfirming to BSS 4991,DIN 8078.				
	i) O.Dia 20 mm	210	P.Rft		
	ii) O.Dia 25 mm	165	P.Rft		
	iii) O.Dia 32 mm	195	P.Rft		
	iv) O.Dia 40 mm	255	P.Rft		
	v) O.Dia 50 mm	130	P.Rft		
	vi) O.Dia 63 mm	135	P.Rft		
	vii) O.Dia 70 mm	0	P.Rft		
	viii) O.Dia 90 mm	0	P.Rft		
2	Providing and installation of u PVC drainage pipes and fittings confirming to BS 4515, push fit rubber ring joint or solvent jointing system, including cutting in floors and walls. Testing at 8 feet of water head for 24 hours. (Make. Hepworth, Dadex, Terrain SDP, or Eq.)				
	} Dia 100 mm or 110 mm	450	P.Rft		
	i) Dia 70 mm or 75 mm	570	P.Rft		
	ii) Dia 50 mm	140	P.Rft		
3	Providing and fixing of floor gully, having 50mm to 75 mm water seal and with cleaning eye, 150mm x 150 mm stain less steel top grating (Tile) confirming to BS 4515 (Make HEPWORTH, DADEX.TERRINE SDP or Eq.) 3-inlets of Dia 50 mm and 1-outlet of Dia 70 mm or 75 mm.	48	Each		
4	Providing & fixing plastic shelf with rawl plug and " long C.P. brass screws. (Master make).	24	Each		
5	Providing & fixing uPVC pipe for wash basin drain i) 3" dia.	85	rft.		
6	Providing and fixing C.I. Cleanouts with sunk type C.P. brass cover plate fixed with screw caps including cost of making requisite number of hole in walls, plinth and floor for pipe connection and restoring damaged surfaces to original condition.				
	a) 3" dia.	35	Each		
	b) 4" dia	0	Each		
7	Providing and fixing 24 SWG C.P copper connection 18" x 3/8" with two C.P. brass nuts, etc., complete (Asia code No. 329)	52	Each		
8	Providing and installing of c.p. bottle trap as manufactured by Master /Asia	26	Each		

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.					PLUMBING WORKS TELECOMMUNICATION ENGINEERING DEPTT.
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PLUMBING WORKS (SCHEDULE ITEMS)				
9	manholes with with 12' x 12' x 1 M. S grating. Inside and outside plaster.	0	Each		
10	geysers alon with all accessories. Capacity=6- Gallons, Similer to "SINGER / VENUS"	4	Each		
	TOTAL COST OF NON-SCHEDULE ITEMS.				
	PREMIUM %BELOW/ABOVE				
	TOTAL COST OF SCHEDULE ITEMS CARRIED TO SUMMARY				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY NAWABSHAH

CARTAGE OF MATERIAL AND ESCALATION (AS PER BASIC SCHEDULE OF RATES - 2012)

CONSTRUCTION OF TELECOM ENGINEERING DEPARTMENT

A - CONSUMPTION OF MATERIAL.

	QUANTITY	UNIT	CEMENT	SAND	BAJRI	STONE	BRICKS	STEEL
C.C. 1:4:8	7951.00	CFT	763.00	3,816.00		1,717.00		
R.C.C. 1:2:4	17419.00	CFT	460.00	1,150.00	2,299.44			
R.C.C. 1:1.5:3	42713.00	CFT	4911.00	12,277.00	24,554.64			
C.C. 1:3:6	2613.00	CFT	3,627.00	12,277.00	25,670.76			
BRICK WORKS (1:6)	27903.00	CFT	194.00	895.00			1,306,408.50	
BRICK WORKS (1:4)	3483.00	CFT	7,558.00	24,870.00			47,020.50	
3/8" C.P (1:6)	96771.00	SFT	269.16	765.31				
1/2" C.P (1:4)	28989.00	SFT	179.73	1,739.00				
STEEL	4449.00	CWT						4449.00
			17961.89	57789.31	52524.84	1717.00	1353429.00	4449.00

B - CARTAGE OF MATERIAL

CEMENT	17961.89	BAG @	10953.00	PER % BAG	1,967,366
SAND	57789.31	CFT. @	3344	PER % CFT	1,932,475
BAJRI / CRUSH	52524.84	CFT. @	3018.6	PER % CFT	1,585,515
STONE	1717.00	CFT. @	3213.46	PER % CFT	55,175
BRICKS	1353429.00	NOS. @	617.54	PER % o NOS.	835,797
STEEL	4449.00	cwt @	60.36	PER CWT	268,542
BITUMAN	5.833	TONS. @	663.00	PER TON	3,867
					6,644,869

C. DIFFERENCE OF COST OF MATERIAL

difference Cost of S.R Cement	18534.00	BAG @	10.00	Per Bag	33,361
				TOTAL:	33,361

Note: All rates have been adopted from "BASIC SCHEDULE OF RATES - 2011"

CONSULTANT

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY
NAWAESHAN

Bill of Quantities for Telecommunication Department (External Development)

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Excavation in foundation of building, bridges and other structures including debelling dressing and refilling around structure with excavated earthwater and remming lead upto 5 ft. b) in ordinary soil Item-18-b, Page 4	1,555.00	cft.	3.17	4,929.35
2	Filling, watering and ramming earth under floor with new earth excavated from outside lead upto one chain and lift upto 5 feet Item-22, Page 4	655.00	cft.	3.63	2,377.65
3	Cement concrete plain including placing compacting, finish and curing, complete (including screening and washing of stone aggregate without shuttering) 1:4:8 under floor and in foundation Item-5, Page 16	1,587.00	cft.	112.88	179,140.56
4	Faccia brick work in foundation and plinth in cement sand mortar including curing complete (1:6) Item-4 (i) (e), Page 20	1,708.00	cft.	119.48	204,071.84
5	SAND FILLING Sand filling under floor foot path /plinth protection and where required including laying, levelling, dressing compacting and complete work under Plinth Protection and floor Item-29, Page 26	836.00	cft.	11.41	9,538.76
6	PAVING BLOCKS Providing and fixing cement paving blocks flooring having size of 197x97x60 (mm) of city/qudda/cobble shape with pigment and having strength b/w 5000 psi to 8500 psi filling the joints with hill sand and laying specified manner /pattern and design etc. (over 2" sand cushion, complete) Item-72, Page 49	3,344.00	sft.	223.97	748,955.68
8	PLAIN CEMENT SAND WALL PLASTERING Providing and applying 3/4" thick plaster at any floor or at any height using approved quality sand preferably machine mixed mortar, including all bends, corners, recesses including scaffolding and hacking the concrete surfaces, arching the masonry joints and providing 8" wide GI wire mesh of 17 SWG 1"x1" size fixed with GI staples on masonry joints, concrete joints. All plaster to be finished smooth with steel float in true to level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer.				
ii.	Ground Floor + First Floor, Item No. 11 (c) External Surfaces 1/2" thick 1:4 CSM on walls/upstand/down stand beam projection.				

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
9	a) Ground Floor Chapter No.9, Page 52 ANTI TERMITE TREATMENT Providing Ani-termmite treatment by spraying / sprinkling / spreading Neptachlar 0.5% Emulsion as in ever all pre-construction treatment in slab type construction under the slab and along attache berches or entrances etc. complete as per directions of Engineer Incharge Page 109, Item No. 92	1,970.00	%sft.	2,283.93	44,993.42
		18,815.00	sft.	4.16	78,270.40
	Sub Total				1,272,277.66
	PREMIUM %BELOW/ABOVE				
	Total				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY

NAWABSHAH

Summary of Cost for Chemical Department

SR. NO			
1	Schedule Civil Works except steel and RCC	Rs.	
2	Schedule Civil Works steel		
3	Schedule Civil Works except RCC		
4	Non schedule Architectural Works		
	Total-1	Rs.	
	Schedule Plumbing Works		
1	Schedule Plumbing Works SI	Rs.	
2	Non Schedule Plumbing Works		
	Total-2	Rs.	
	Different cost of SR cement & Cartage		
1	Cartage	Rs.	6,468,897.30
2	Different cost of SR cement		165,470.00
	Total-3	Rs.	6,634,367.30
	Total -1+2+3	Rs.	
	External development		
1	Drainage Work	Rs.	
2	External development	Rs.	
	Total- 4		
	Grand Total	Rs.	

Project Director

**QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY
NAWAABSHAH**

Bill of Quantities for Chemical Engineering Department

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-01	<u>EXCAVATION FOR FOUNDATION</u> Excavation in foundation of building bridges and other structures including dagbelling, dressing, refilling around structure with excavated earth watering and ramming lead up to 5 ft. i) In ordinary soil. Item 18(b) Page-4	35,065.00	%0 cft	3176.25	111,375.21
Item-02	<u>EARTH FILLING</u> i) Filling, watering and ramming earth in floor with surplus earth from foundation lead up to one chain and lift up to 5 ft. Item 21 Page-4	16,033.00	%0 cft	1512.5	24,249.91
Item-03	<u>EARTH FILLING</u> i) Filling, watering and ramming earth in floor with new earth excavated from our side lead up to one chain and lift up to 5 ft. Item 21 Page-4		%0 cft	3630.00	-
Item-04	<u>P.C.C (1:4:8)</u> Cement concrete plain (1:4:8) using sulphate resistant cement type (v) including placing, compacting, finishing, curing, complete, (Including screening and washing of stone aggregate without shuttering). Item 5(i) Page-16	7,951	% cft	11288.75	897,568.51
Item-05	<u>P.C.C (1:3:6)</u> Cement concrete plain (1:3:6) using sulphate resistant cement type (v) including placing, compacting, finishing, curing, complete, (Including screening and washing of stone aggregate without shuttering). Item 5(h) Page-16	2,613	% cft	12595	329,107.35
Item-06	<u>CEMENT PLASTER UPTO PLINTH</u> Cement Neru plaster 1:2 using sulphate resistant cement type (v) Item 5(b) Page-51	7,890	% sft	1438.46	113,494
Item-07	<u>BRICK MASONRY IN FOUNDATION & PLINTH</u> Pacca brick work in foundation & plinth in cement sand mortar 1:6 using sulphate resistant cement type (v) . Item 4(e) Page-25	4,877	% cft	11948.36	582,721.52
Item-08	<u>GRADED STONE</u> Dry rammed brick or stone ballast 1½" to 2" Item (2) Page-15	5,847	% cft	3327.5	194,558.93
Item-09	<u>ORNAMENTAL JALI</u> Providing and fixing ornamental cement jali 2" thick (1:2:4) with out steel. Item 11 Page-17	1,652	per sft	226.02	373,385.04

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-10	C.I MAN HOLE COVER AND FRAME Providing and fixing C.I Manhole Cover with frame i/c cost of material.	2	CWT	6985	13,970.00
	Item (j) 1 Page-35				
Item-11	BRICK MASONRY IN SUPER STRUCTURE (ABOVE PLINTH LEVEL) Providing and laying approved first class burnt brick masonry in super structure walls at any height and any floor, laid and jointed with cement and approved source sand machine mixed mortar, masonry to be laid in course true to line, level and plumbing, protected and properly cured including scaffolding and providing deep joints to receive rendering. All work to be completed as per drawings and specifications, including P/F specified anchorage with concrete members and directed by the Engineer Internal Walls				
	i. <u>Ground Floor (Item No. 5, (i e) & 6 ii (where required)</u> 4 1/2" thick and above internal/external walls in (1:4) CSM	1,190.00	cft.	132.27	157,401.30
	9' thick and above internal/external walls in (1:6) CSM	14,154.00	cft.	126.74	1,793,877.96
	<u>Ground Floor (Item No. 5, (i e) & 6 ii (where required)</u>				
	ii 4 1/2" thick and above internal/external walls in (1:4) CSM	1,143.00	cft.	138.00	157,734.00
	9' thick and above internal/external walls in (1:6) CSM	13,749.00	cft.	131.12	1,802,768.88
	iii) <u>Mumty / roof level/parapet</u> 4 1/2" thick and above internal/external walls in (1:4) CSM	1,150.00	cft.	143.73	165,289.50
	Item-5, Page 21				
Item-12	GLAZED CERAMIC TILES DADO (MASTER/EQUIVALENT MAKE) Providing and fixing glazed ceramic tiles of size as below of approved make and texture shade in dado set over cement slurry and filling the joints with neat white cement with matching pigments including 3/4" thick base plaster of cement, sand (1:4) with curing and cleaning etc., complete as per drawings, specifications and as directed by the Engineer				
	i. <u>Ground Floor + First Floor</u>				
	b) 12"x18"/any size approved by engineer	2,865.00	sft.	282.97	810,709.05
	Item-38, Page 45				

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
Item-13	NON SKID CERAMIC FLOORING TILE Providing and laying non skid ceramic tiles 12"x12" in floor of approved shade with cement slurry laid in slope towards floor drain and including filling the joints in neat white pigment to match the color of tiles in floors etc., complete as per drawings, specifications and as directed by the Engineer				
	i. Ground Floor + First Floor	1,890.00	sft.	277.47	524,418.30
	Item-25, Page 43				
Item-14	Plain Cement Sand Wall Plastering, Chapter No.9, Page 52 Providing and applying 3/4" thick plaster at any floor or at any height using approved quality sand preferably machine mixed mortar, including all bends, corners, recesses including scaffolding and hacking the concrete surfaces, arching the masonry joints and providing 8" wide GI wire mesh of 17 SWG 1"x1" size fixed with GI staples on masonry joints, concrete joints. All plaster to be finishes smooth with steel float in true to level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer.				
	i. Ground Floor, Item No. 13 c Internal walls/columns plaster 3/8" thick in 1:4 CSM				
	a) Ground Floor	46,288.00	%sft.	2,122.72	982,564.63
	b) 1st floor	46,918.00	%sft.	2,262.72	1,061,622.97
	c) / Mumty		%sft.	2,423.93	-
	ii. Ground Floor + First Floor, Item No. 11 (c) External Surfaces 1/2" thick 1:4 CSM on walls/up stand/down stand beam projection.				
	a) Ground Floor	9,311.00	%sft.	2,283.93	212,656.72
	b) 1st floor	7,867.00	%sft.	2,262.72	178,008.18
	c) Parapet / Mumty	9,548.00	%sft.	2,423.93	231,436.84
	Chapter No. 9, Page 52				
Item-15	Distemper Three Coats	93,206.00	sft.	10.79	1,005,692.74
	Item-24 (c), Page 53				
Item-16	Preparing surface and painting with weather coat including rubbing the surface, filling and painting with weather coat of approved make, complete (new surface) three coats				
	a) Plaster surface external	26,726.00	sft.	25.68	686,323.68
	b) Cement concrete jali	2,410.00	sft.	25.68	61,888.80
	Item - 38 A+B, Page 56				
Item-17	Cement pointing struck joints on walls	115.00	%sft.	1,287.44	1,480.56

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
	Item-19 (a), Page 53				
Item-18	1 1/2 " thick mosaic flooring consisting of 1/2" mosaic topping of one part of grey cement to two part of marble chips laid over 1 " thick flooring of 1:2:4 cement concrete including rubbing and polishing complete	95.00	%sft.	9,258.67	8,795.74
	Item-22, Page 42				
Item-19	Extra labor rate for making grooves of 1"x1/4" on 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth and with groove base smoothly finished etc. complete as per instruction of Engineer Incharge	4,890.00	rft.	7.71	37,701.90
	Item-34, Page 55				
Item-20	Extra labor for making cement plaster pattas/band where required width not less than 6" width fine finishing as directed	1,442.00	rft.	19.25	27,758.50
	Item-35, Page 55				
Item-21	Providing and laying deodar wood wardrobe including boxing with back shelves shutters of MDF 3/4" thick both side laminated with drawers and brass fittings such as handles piano hinges locking arrangement rod, shoe rack, complete as per approved design (except paint / polish)	415.00	sft.	2,364.65	981,329.75
	Item-24, Page 61				
Item-22	Providing and applying three coats of enamel painting (Mat finish/all rounder including cleaning, approved make premixed putty filling, sand papering and a coat of primer complete as per manufacturers standards and as directed by the Engineer				
	i. On wood surface /steel chowket three coats	1,560.00	sft.	21.16	33,009.60
	Item-5 (c) (I) & (II), Page 70				
Item-23	Providing and laying French polish complete on new wood surface	850.00	sft.	38.42	32,657.00
	Item-7, Page 71				
Item-24	ALUMINIUM DOORS / WINDOWS / VENTILATORS Providing and fixing 2mm sectional thickness 101 mm wide of approved color aluminum doors/windows/ventilators including 5mm thick approved glass fixed to concrete or masonry surfaces by means of plastic fisher plugs, screws for windows and expansion bolt for door etc. inclusive but not limited to hinges, Mitex Japan rollers, sliding lock having press buttons, handles, stays, PVC glazing gasket, caulking compound etc., complete as per drawings and as directed by the Engineer				
	i. Door	231.00	sft.	1,507.66	348,269.46

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
ii.	Window partially fixed and partially sliding with out fly screen Items-83, 84 & 85, Page 108	2,912.00	sft.	1,449.69	4,221,497.28
Item-25	ROOF TREATMENT second class tile roofing consisting of 4" earth and 1" mud plaster with goblirleaping over 1/2" thick cement plaster 1:6 with 34 Lbs .of hot bitumen coating sand blinded ,provided over one layer of 12" x 6" x 2" tiles laid in 1:6 mortar including 1:2 cement pointing under neath of tiles complete including curing etc.				
i.	Or Roof Item-2, Page 33	17,210.00	% sft	7,607.25	1,309,207.73
Item-26	POLYTHENE SHEET Providing and laying under floors or where required black low density flexible polythene sheet of single thickness not less than 0.46mm and weighing approximately 0.48 KG per SQ.M or in two layers having matching weight including the side and end laps of 4" width turning 4" on walls and sealing all the joints with masking tape etc., complete as per drawings, specifications and as directed by the Engineer Or Top Roof	18,015.00	% sft	364.00	65,574.60
Item-27	DAMP PROOF COURSE (2" thick) (S.R Damp proof course with cement sand & shingle/crush concrete (1:2:4) using sulphate resistant cement type (v) including 2 coats of asphaltic mixture. (Over Walls) Item 28(b) Page-19	1,855.00	% sft	3,912.85	72,583.37
Item-28	Providing and fixing approved quality mortice lock. Page 57, Item 21	57.00	each	1,786.13	101,809.41
Item-29	Priming coat of chalk distemper. Item-23, Page 53	93,206.00	%sft	442.75	412,669.57
Item-30	Two coats of Bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand at one Cft P% Sft. Item 13- Page 35	14,995.00	%sft	1,887.40	283,015.63
TOTAL					20,410,184.59
PREMIUM %BELOW/ABOVE					
TOTAL FOR SCHEDULE ITEMS					
Civil Work Steel					
Item-31	STEEL REINFORCEMENT				

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints fastenings, including cost of binding wire also includes removal of rust from Tor bars.				
	i) Ground Floor Using Tor bar	2,423.0	per Cwt	5001.7	12,119,119.10
	ii) 1st Floor Using Tor bar	1,790.0	per Cwt	5013.8	8,974,702.00
	Item 8(a) page-17				
	TOTAL				21,093,821.10
	% above/below ON SCHEDULE RATES				
	TOTAL FOR SCHEDULE ITEMS				
	REINFORCED CEMENT CONCRETE (S.R Cement)				
Item-31	Reinforced cement concrete (1:2:4) using sulphate resistant cement type (v) or more rich to provide 6"x12" cylinder strength of 3000 psi at 28 days age (equivalent cube strength = 3750 psi) including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing exposed surface including screening and washing of stone aggregate.				
	i) Footing	7,721	per cft	337	2,601,977
	ii) Tie Beam	2,384	per cft	337	803,408
	ii) Grade Slab	5,390	per cft	337	1,816,430
	Item 6(a)(I) Page-17				
	REINFORCED CEMENT CONCRETE (S.R Cement)				
Item-32	Reinforced cement concrete (1:1½:3) using sulphate resistant cement type (v) or more rich to provide 6"x12" cylinder strength of 4000 psi at 28 days age (equivalent cube strength = 4500 psi) including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing exposed surface including screening and washing of stone aggregate.				
	i) Column upto plinth	914	per cft	349	318,986
	ii) R.C.C Wall	138	per cft	349	48,162
	Item 6(a)(II) Page-17				
Item-33	REINFORCED CEMENT CONCRETE (S R Cement)				

S.No	DESCRIPTION	QTY.	UNIT	RATE(RS)	AMOUNT(RS)
	Reinforced cement concrete (1:1½:3) or more rich to provide 6"x12" cylinder strength of 4000 psi at 28 days age (equivalent cube strength = 4500 psi) including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms, moulds, lifting, shuttering, curing, rendering and finishing exposed surface including screening and washing of stone aggregate.				
	i) Ground Floor				
	a) Columns	3,320	per cft	349	1,158,680
	b) Beams	4,887	per cft	349	1,705,563
	c) Slabs	8,870	per cft	349	3,095,630
	d) Lintels	598	per cft	349	208,702
	e) Stairs	242	per cft	349	84,458
	f) Parapet	200	per cft	349	69,800
	g) Ramp	184	per cft	349	64,216
	h) Planter	300	per cft	349	104,700
	i) Wall	449	per cft	349	156,701
	Item 6(a)(II) Page-17				
	ii) First Floor				
	a) Columns	2,508	per cft	361.1	905,639
	b) Beams	6,179	per cft	361.1	2,231,237
	c) Slabs	9,096	per cft	361.1	3,284,566
	d) Lintels	609	per cft	361.1	219,910
	e) Parapet	1,720	per cft	361.1	621,092
	f) Wall	615	per cft	349	214,635
	Item 6(a)(II) Page-17				
	TOTAL				19,714,491.20
	At par				
	TOTAL FOR SCHEDULE ITEMS				

CHEMICAL DEPARTMENT
QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY
NAWABSHAH

Bill of Quantities for Chemical Engineering Department

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Porcelain Floor Tiles Providing and laying imported/local matt finish Porcelain tile in size 16"x16" of approved make, colour, and shade with patches/borders pattern, laid on cement paste having addition of tile bond at 15% by weight of cement laid over 1" thick 1:3 cement sand base mortar, over existing PCC 1:2:4 (cost excluded) complete as per detail shown on the drawing, specifications, and as directed by the Engineer Same as above but 16"x16" size at any floor	31,672	sft.		
2	Porcelain Skirting Tiles Providing and fixing of imported/local porcelain skirting 4" high and 16" length in size of approved make, colour and shade fixed with cement paste having addition of tile bond at 15% by weight of cement and filling the joints with neat white cement slurry with matching colour pigment including 3/4" thick base plaster of cement sand (1:4) with curing and cleaning etc, complete as shown on the drawing, specifications and as directed by the Engineer.	5,339	rft.		
3	Lasbella Bouticsena Cream Colour Marble Tiles Providing and laying Lasbella Bouticsena Cream/equivalent (without streak) colour marble as per detail shown on the drawing counters / stair steps including landing and risers set over and including average 1" thick (1:3) CSM with cement slurry and grouting the joint with neat white cement mixed with colour pigment to match the marble colour including curing, grinding and chemical polishing etc, complete as per specifications, drawings and as directed by the Engineer.				
	A) Stairs				
	On Treads with bull nosing 3/4" thick				
	i) size 4' to 6' x 12" to 15"	127	sft.		
	ii) size 3' to 5' x 12" to 15"	145	sft.		
	B) Risers				
	i) size 4' - 6' x 0-6" 3/4" thick for stair steps	45	sft.		
	ii) size 3' - 5' x 0-6" 3/4" thick for stair steps	38	sft.		
	D) Marble skirting 1/2" thick, 4" high	355	rft		

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
	E) Marble on Cabinets/vanity (3/4" thick bull nosed) i) size 5' to 6' x 3' wide	180	sft.		
	F) Marble on Cabinets/vanity (3/4" thick bull nosed) ii) size 12"x 12"	661	sft.		
4	Hydraulic Door Closer Providing and fixing Japan made locally available New Star Japan made hydraulic door closer to wood or aluminium door etc., complete as per drawings, specifications and as directed by the Engineer	57	Nos.		
5	Carpentry and Joinery a) Providing and laying single action solid core flush door shutter with commercial ply 3mm thick both sides, mild steel (galvanized) 20 gauge size 2"x6" door frame fixed with hold fasts with approved quality steel fittings and double action hinges concrete (1:2:4) and cement sand mortar (1:6) filled in door frame including 3 coats of paint of approved quality, complete in all respect.	1,757	sft.		
	b) Providing and fixing first class deodar wood 1-1/2" thick paneled shutters with 4" wide stile, bottom rail 6" side and top and lock rail 4" wide and 20 gauge 2"x6" GI mild steel moulded sheet frame and fixing in position with concrete or CSM filling in frame including 2"x5/8" and 5/8"x5/8" deodar wood architrave beading at wall / frame joints on both sides, complete with panel of 3/4" deodar wood plank and deodar wood stopper 1/2" x2" (excluding matt finish enamel paint), approved iron hinges, door stoppers, CP brass fittings, handles, approved quality lock. Complete as per drawings, specifications and as directed by the Engineer	696	sft.		
6	Stair Case Railing Providing making and fixing 3'-0" high from the centre of tread Stainless Steel staircase railing consisting of 1-1/2" dia 14SWG stainless steel balustrade screwed down to base plate and 1/2" dia pipes crossing horizontally through balustrade as shown on the drawing including 2-1/2" dia stainless steel pipe hand rail welded to balustrade including base plate, rugs and S.S cover plate 3" dia etc, complete as per drawings as further directed by the Engineer.	140	sft.		

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
7	Stair Case Wall Bracket Railing (Type-II) Providing making and fixing stair case wall bracket railing consisting of 38 mm x 200mm solid deodar wood decorative hand rail having grooves on either sides fixed with rough wood block of size 38x75x100mm at 3'-0" c/c fixed over all, including lacquer polishing. Complete all as shown on the drawing and as directed by the Eng neer	74	Rft		
8	Mineral fiber acoustical tile false ceiling 15 mm minimum thick Revealed 2'x2' mineral fiber acoustical false ceiling tile with surface pattern / design/ texture, OWA Germany Made with adjustable GI hanger and imported T Section Frame accessories in approved colour to exposed surfaces, complete in all respects.	1,805.00	sft.		
9	Same as above but MS ties @ 3'-0" c/c horizontally @ 1'-6" vertically in cavity wall staggered a) (round Floor	16,105.00	sft.		
	Total				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.			PLUMBING WORKS CHEMICAL ENGINEERING DEPTT.		
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PLUMBING WORKS (SCHEDULE ITEMS)				
1	Providing & fixing a squatting type white glazed earthenware W.C. pan with including the cost of flushing Cistern with internal fittings and flush pipe with bends & making requisite number of holes in wall, plinth and floor for pipe connection and making good in cement concrete 1:2:4. a: With 4" dia white glazed earthen ware trap & plastic thumble (item no. 1 chapter-1)	10	Each	5,044.60	50,446.00
2	Providing & fixing European type white glazed earthenware wash down W.C. pan complete with and including the cost of white/black-plastic seat (Best quality) and lid with C.P. brass hinges and buffers, 3 gallons white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2" dia. white procelain enamelled flush bend, 3/4" dia and making requisite No. of holes in walls, plinth & floor for pipe conetion and making good in cement concrete 1:2:4 (Foreign quality) (item No.5, chapter-1)	13	Each	11,470.40	149,115.20
3	Providing & fixing 24" x 18" lavatory basin in white glazed earthenware complete with and including the cost of W.I. Or C.I. Cantilever bracket 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia chrome plated pillar taps, 1-1/2" dia rubber plug and chrome plated brass chain, 1 1/4" dia malleable iron or brass, brass unions making requisite number of hole in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4, standard pattern including earthen ware glazed padestal (Item No.8, chapter-1)	24	Each	4,253.70	102,088.80
4	Providing and fixing steel sink stainless local make complete with cast iron or wrought iron brackets 6 inches built in wall, 1-1/2" rubber plug chrome plated brass chain 1-1/2" c.p. brass waste, with 1-1/2" PVC waste pipe and making requisite number of holes in wall and plinth and floor for pipe connection and making good in concrete 1:2:4 40"x20" local make (item No. 19a, chapter-1)	1	Each	5,052.30	5,052.30
5	Providing and fixing c.p. brass toilet paper holder of standard size with chrome plated brass brackets complete (superior quality) (item No.2b, chapter-2)	13	Each	572.00	7,436.00
6	Providing and fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p. brass screws.) Towel rail 24" long.				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.				PLUMBING WORKS CHEMICAL ENGINEERING DEPTT.	
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
7	3/4" dia round or square superior quality (item No. III(b), chapter-2) Providing & fixing 24" x 18" bavelled edge mirror of Belgium glass complete with 1/8" thick hardboard and c.p brass screw fixed to wooden cleat with glass shelves.	20	Each	1,082.95	21,659.00
8	Superior quality (item No.4(b)chapter-2) Providing & fixing soap tray earthen with c.p. brass screws etc. complete (item No.5, chapter - 2)	24	Each	2,047.76	49,146.24
9	Supplying & fixing in position 1/2" dia. C.P. bib cocks standard pattern. (Item No. 2(i)b, chapter-5)	24	Each	497.20	11,932.80
10	Supplying & fixing in position 1/2" dia tee stop of superior quality with C.P. head (item No.12b, chapter-6).	2	Each	150.92	301.84
11	Providing & fixing handle valves (China). (Item i) 1/2" dia (15 mm)	43	Each	889.48	38,247.64
	ii) 3/4 " dia (20 mm)	0	Each	200.42	-
	iii) 1 " dia (25mm)	13	Each	271.92	3,534.96
	iv) 1-1/4" dia (32mm)	3	Each	365.42	1,096.26
	v) 1-1/2" dia. (40 mm)	2	Each	475.42	950.84
	vi) 2" dia (50 mm)	2	Each	640.42	1,280.84
	vii) 2-1/2" dia (63 mm),(item No4(B)vii., chapter 5)	6	Each	1,382.92	8,297.52
12	Providing G.I. Pipes, specials and clamps etc., l/c, fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., painting two coats after cleaning the pipe etc., with white zinc paint with pigment to match the colour of the building and testing with water to a pressure head of 200 feet and handling (item No.1, chapter-4)	4	Each	1,225.84	4,903.36
13	3" dia (for rain water disposal) Supplying and fixing pillar cock of superior quality with c.p head etc., complete (item No.18 b, chapter-6).	880	P.Rft	355.27	312,637.60
14	Supply / fixing wash basin mixer of superior quality with C.P. Head. 1/2 inch dia. Item No. 14(b),Chapter No. 6).	25	Each	795.30	19,882.50
15	Supply / fixing Sink mixer of superior quality with C.P. Head, Etc. 1/2 inch dia. Item No. 17,Chapter No. 6).	4	Each	3,179.00	12,716.00
		1	Each	2,745.60	8.00

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.				PLUMBING WORKS CHEMICAL ENGINEERING DEPTT.	
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
16	Supply / fixing C.P. Muslim shower with double jib cock and ring pipe etc complete, Item no.19(a), Chapter-6.)	23	Each	3,432.00	78,936.00
	TOTAL COST OF SCHEDULE ITEMS.				879,669.70
	PREMIUM % BELOW/ABOVE				
	TOTAL COST OF SCHEDULE ITEMS CARRIED TO SUMMARY				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.				PLUMBING WORKS CHEMICAL ENGINEERING DEPTT.	
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	EXTERNAL WORKS (SCHEDULE ITEMS)				
	DRAINAGE SYSTEM				
1	Excavation in pipe line in trenches and pits in hard soil.	4500	%o Cft	3.90	17,550.00
2	Excavation in pipe line in trenches and pits in gravity soil.	9300	%o Cft	4.20	39,060.00
3	Providing and laying P.V.C. pipe class 'B' with collar. Make DADEX< POPULER or Eq.				
) Dia 150 mm	455	P.Rft	262.00	119,210.00
	i) Dia 200 mm	925	P.Rft	402.00	371,850.00
4	Construction manhole or inspection chamber for the required dia of circular sewer of 3'-6" depth with walls of B.B. in cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls and 1" thick over benching and channels including fixing C.I. manhole cover with frame of clear opening 1-1/2" x 1-1/2" of 1.75 Cwt embedded in plain C.C. 1:2:4 and fixing 1" dia M.S. steps 6" wide projecting 4" from the face of wall at 1" C/C fully painted etc. complete as per specification and drawing No. D-P/1 of Public Health Circle, Southern Zone.				
) Internal dia of Sewer 100 mm to 150mm and internal size of Chamber 2'-0"x2'-0" or Dia 2'-0"	35	Each	14,748.00	516,180.00
5	Construction of Gully traps of 12"x12" internal size and required depth of max 18" with walls of cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls including fixing of C.I. cover and frame.	11	Each	1,358.17	14,939.87
	TOTAL COST OF SCHEDULE ITEMS.				1,078,789.87
	PREMIUM % BELOW/ABOVE			(-)	
	TOTAL COST OF SCHEDULE ITEMS CARRIED TO SUMMARY				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.			PLUMBING WORKS CHEMICAL ENGINEERING DEPTT.		
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PLUMBING WORKS (NON SCHEDULE ITEMS)				
1	Providing and installation of P.P.R.C. Pipes, fittings specials and clamps etc., I/c, fixing cutting and fitting complete with and including the cost of breaking through walls and roof, making good etc., flushing and cleaning the pipe etc., and testing with water to a pressure head of 200 feet. Make "VESBO, COSMOPLAST, DIZAYN or EQ.) onfirming to BSS 4991,DIN 8078.				
) O.Dia 20 mm	210	P.Rft		
	i) O.Dia 25 mm	165	P.Rft		
	ii) O.Dia 32 mm	195	P.Rft		
	v) O.Dia 40 mm	255	P.Rft		
	v) O.Dia 50 mm	130	P.Rft		
	vi) O.Dia 63 mm	135	P.Rft		
	vii) O.Dia 70 mm	0	P.Rft		
	viii) O.Dia 90 mm	0	P.Rft		
2	Providing and installation of u PVC drainage pipes and fittings confirming to BS 4515, push fit rubber ring joint or solvent jointing system, including cutting in floors and walls. Testing at 8 feet of water head for 24 hours (Make Hepworth, Dadex, Terrain SDP, or Eq.)				
) Dia 100 mm or 110 mm	450	P.Rft		
	i) Dia 70 mm or 75 mm	570	P.Rft		
	ii) Dia 50 mm	140	P.Rft		
3	Providing and fixing of floor gully, having 50mm to 75 mm water seal and with cleaning eye, 150mm x 150mm stain less steel top grating (Tile) confirming to BS 4515 (Make HEPWORTH, DADEX. TERRINE SDP or Eq.) 3-inlets of Dia 50 mm and 1-outlet of Dia 70mm or 75 mm	48	Each		
4	Providing & fixing plastic shelf with rawl plug and 1" long C.P. brass screws. (Master make).	24	Each		
5	Providing & fixing uPVC pipe for wash basin) 3" dia.	85	rft.		
6	Providing and fixing C.I. Cleanouts with sunk type C.P. brass cover plate fixed with screw caps including cost of making requisite number of hole in walls, plinth and floor for pipe connection and restoring damaged surfaces to original condition.				
	a) 3" dia.	35	Each		
	b) 4" dia	0	Each		
7	Providing and fixing 24 SWG C.P copper connection 18" x 3/8" with two C.P. brass nuts, etc., complete (Asia code No. 329)	52	Each		

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY - NAWAB SHAH.			PLUMBING WORKS CHEMICAL ENGINEERING DEPTT.		
S.No.	DESCRIPTION	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
8	Providing and installing of c.p. bottle trap as manufactured by Master /Asia	26	Each		
9	Providing and construction of rain water collection manholes with 12' x 12' x 1 MS grating inside and outside	0	Each		
10	Providing and installation of Electric operated geysers along with all accessories. Capacity 6 Gallons, similar to "SINGER / VENUS"	4	Each		
	TOTAL COST OF NON-SCHEDULE ITEMS.				
	PREMIUM % ABOVE/BELOW.				
	TOTAL COST OF SCHEDULE ITEMS CARRIED TO SUMMARY				

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY NAWABSHAH

CARTAGE OF MATERIAL AND ESCALATION (AS PER BASIC SCHEDULE OF RATES - 2012)

CONSTRUCTION OF CHEMICAL ENGINEERING DEPARTMENT

A - CONSUMPTION OF MATERIAL.

	QUANTITY	UNIT	CEMENT	SAND	BAJRI	STONE	BRICKS	STEEL
C.C. 1:4:8	7951.00	CFT	763.00	3,816.00		1,717.00		
R.C.C. 1:2:4	15495.00	CFT	460.00	1,150.00	2,299.44			
R.C.C. 1:1.5:3	40829.00	CFT	4,911.00	12,277.00	24,554.64			
C.C. 1:3:6	2613.00	CFT	3,627.00	12,277.00	25,670.76			
BRICK WORKS (1:6)	27903.00	CFT	194.00	895.00			1,258,281.00	
BRICK WORKS (1:4)	3483.00	CFT	7,279.00	23,954.00			47,020.50	
3/8" C.P (1:6)	93206.00	SFT	248.15	705.57				
1/2" C.P (1:4)	26726.00	SFT	26.12	253.00				
STEEL	4213.00	CWT						4213.00
			17508.27	55327.57	52524.84	1717.00	1305301.50	4213.00

B - CARTAGE OF MATERIAL

CEMENT	17508.27	BAG @	10953.00	PER % BAG	1,917,681
SAND	55327.57	CFT. @	3344	PER % CFT	1,850,154
BAJRI / CRUSH	52524.84	CFT. @	3018.6	PER % CFT	1,585,515
STONE	1717.00	CFT. @	3213.46	PER % CFT	55,175
BRICKS	1305301.50	NOS. @	617.54	PER % o NOS.	806,076
STEEL	4213.00	cwt @	60.36	PER CWT	254,297
Bituman	4.971	TONS. @	663.00	PER TON	3,296
					6,468,897

C. DIERERENCE OF COST OF MATERIAL

Difference Cost of S.R Cement	16547.00	BAG @	10.00	Per Bag	165,470
				TOTAL:	165,470

Note: All rates have been adopted from "BASIC SCHEDULE OF RATES - 2011"

CONSULTANT

QUAID E AWAM UNIVERSITY OF ENGINEERING SCIENCES AND TECHNOLOGY
NAWABSHAH

Bill of Quantities for Chemical Department (External Development)

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	Excavation in foundation of building, bridges and other structures including debelling dressing refilling around structure with excavated earthw ater and remming lead upto 5 ft. b) in oridnary soil Ite 18-b, Page 4	1,555.00	cft.	3.17	4,929.35
2	Filling, watering and ramming earth under floor with new earth excavated fromoutsiee lead upto one chain and lift upto 5 feet Item-22, Page 4	655.00	cft.	3.63	2,377.65
3	Cement concrete plain including placing compacting, finish and curing, complete (including screening and washing of stone aggregate without shuttering i 1:4:8 under floor and in foundation Item-5, Page 16	1,587.00	cft.	112.88	179,140.56
4	Facca brick work in foundation and plinth in cement sand mortar including curing complete (:) 1:6 Item-4 (i) (e). Page 20	1,708.00	cft.	119.48	204,071.84
5	SAND FILLING Sand filling under floor foot path /plinth protection and where requiried including laying, levelling, dressing compacting and complete a) under Plinth Protection and floor Item-29, Page 26	836.00	cft.	11.41	9,538.76
6	PAVING BLOCKS Providing and fixing cement paving blocks flooring having size of 197x97x60 (mm) of city/qudda/cobble shape with pigment and having strenght b/w 5000 psi to 8500 psi filling the joints with hill sand and laying specified ranner /pattern and design etc. (over 2" sand cushion, complete Item-72, Page 49	3,344.00	sft.	223.97	748,955.68
7	PLAINT CEMENT SAND WALL PLASTERING Providing and applying 3/4" thick plaster at any floor or at any height using approved quality sand preferably machine mixed mortar, including all bends, corners, recesses including scaffolding and hacking the concrete surfaces, arching the masonry joints and providing 8" wide GI wire mesh of 17 SWG 1"x1" size fixed with GI staples on masonry joints, concrete joints. All plaster to be finishes smooth with steel float in true to level, line and plumb and properly cured, complete as per drawings, specifications and as directed by the Engineer.				

Sr. No.	Description	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
ii.	Ground Floor + First Floor. Item No. 11 (c) External Surfaces 1/2" thick 1:4 CSM on walls/up stand/down stand beam projection. a) Ground Floor Chapter No.9, Page 52	1,970.00	%sft.	2,283.93	44,993.42
9	ANTI TERMITE TREATMENT Providing Ani-termmite treatment by spraying / sprinkling / spreading Neptachlar 0.5% emulsion as an ever all pre-construction treatment in slab type construction under the slab and along attache perches or entrances etc. complete as per directions of Engineer Incharge Page 109, Item No. 92	18,815.00	sft.	4.16	78,270.40
	Sub Total				1,272,277.66
	PREMIUM % ABOVE/BELOW.				
	Total				