

FINANCIAL OFFER FORM / BOQs (ANNEX-C)

REQUEST FOR PROPOSAL # PAKIS/RFP/22/033

RENOVATION WORKS OF TRAUMA CENTER AT ABBASI SHAHEED HOSPITAL, KARACHI

Summary of Engineers Estimates

S.No	Description	Cost (PKR)
1	Civil Works	
2	Electrical Works	
3	Plumbing Works	
Total Cost (PKR)		

FINANCIAL OFFER FORM / BOQs (ANNEX-C)
REQUEST FOR PROPOSAL # PAKIS/RFP/22/033
RENOVATION WORKS OF TRAUMA CENTER AT ABBASI SHAHEED HOSPITAL, KARACHI

ITEM No.	PAK PWD SCHEDULE 2022 REF No.	DESCRIPTION	UNIT	QTY.	UNIT RATE (Rs.)	TOTAL AMOUNT (PKR)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
GENERAL NOTE.						
SCOPE : <i>(Applicable to all sections)</i>						
Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per specifications and as approved by the Engineer.						
A.1 GROUND FLOOR CIVIL WORKS - SCHEDULED ITEMS						
1	(110-34) + (110-94)	Providing and laying 1:3:6 cement concrete solid block masonry more than 6 inches (152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in cement mortar 1:5 including scaffolding, raking out joints and curing etc. complete in ground floor superstructure.	100Cft	60.00		-
2	(110-44) + (110-94)	Providing and laying 1:3:6 cement concrete solid block masonry 4 to 6 inches (102 mm to 152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in lime cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in ground floor superstructure.	100Cft	130.00		-
3	(117-6) + (114-136)	Providing and laying floors of 2 inches (51mm) thick 1:2:4 cement concrete using crush graded boulders 3/4 inch (19 mm) and down gauge, having a minimum works cube crushing strength of 3000 lbs. per sq inch at 28 days in ground floor laid in panels including form work, consolidation, finishing and curing etc. complete.	100Sft	1540.00		-
4	(117-179)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) not exceeding 1600	100Sft.	5945.00		-
5	(117-180)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) exceeding 1600 Sq. cm each on walls & floors foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	100Sft.	19200.00		-
6	(119-32)	Providing and fixing iron grills with required section of angle iron and MS square bar as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of red oxide paint etc. complete as required in any floor in masonry or concrete work.(Door & Window)	Kg.	320.00		-

7	(119-69)	Providing and fixing double glazed Bronze anodized or Powder Coated aluminium Sliding windows as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Executive model section double or single glazed 101mm x 37mm and 2mm thick including the cost of aluminium netting ,fitting, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, but excluding the cost of glass pans.	Sft.	75.00		-
8	(119-120)	Providing and fixing Tinted glass panes 5mm thick to M.S. Box pipe / Aluminium doors, windows and ventilators etc including the cost of labour but excluding the cost of M.S. square pipe beading, rubber packing and screw in any floor at any height.	Sft.	75.00		-
9	(120-2)	Providing and fixing best quality deodar frames for doors. windows, ventilators, clerestory windows, shelves, partitions, trellis work, etc., as required .	Cft	30.00		-
10	(120-22)	Providing and fixing 1-1/2 inch (38 mm) thick best quality deodar wood shutters fully panelled with same wood, approved iron hinges and tower bolts, etc., as required.	Sft	480.00		-
11	(120-64)	Providing and fixing 1-1/2 inches (38 mm) thick solid core deodar wood flushed veneered door shutters, with and including the cost of commercial plywood facing 3 mm. thick (3 ply) on both faces, fixed over best quality deodar wood frame 2 inches wide around 6 inches wide lock rail and 2nd class deodar wood solid core, i/c., 1/4 inch thick best quality deodar wood lipping on all sides as per approved drawing, manufactured under power driven hydraulic press, including the cost of approved iron fittings but excluding the cost of handles and locking arrangement.	Sft	480.00		-
12	(120-236)	Providing and fixing on frames etc., with sunken iron screws best quality deodar wood moulding beading, architrave etc., of approved design up to one square inch (6.45 Sqm) in cross section as required .	Rft	430.00		-
13	(121-70)	Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi or approved design No. 72, Japan make, cutting wood etc., to required shape and size as per direction of engineer-in-charge .	Each	32.00		-
14	(121-84)	Providing and fixing with brass screws door Alpha lock with handle of approved design (Taiwan make), cutting wood etc., to required shape and size with two operating keys as per direction of the Engineer-in-Charge.	Each	34.00		-
15	(122-4)	1/2" (13 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and ground floor including making edges, corners, and curing etc., complete .	100Sft	1250.00		-
16	(122-162)	Painting with (ICI) Dulux Plastic emulsion paint VIP of approved shade two coats over and including the cost of one priming coat complete over plastered surface at any height in any floor.	100Sft	1500.00		-
17	(122-189)	Applying French or spirit polishing, two coat of approved make on wood work at any height in any floor .	100Sft	1880.00		-

18	(124-185)	Providing and fixing Dampa ceiling aluminium, China make 2' x 2' tiles/ strip ceiling including all accessories i.e,plump, rod etc complete as required in any floor.	Sq.ft.	1295.00		-
19	(124-186)	Providing and fixing Gypsum board 2' x 2'x 12mm tiles ceiling including Aluminum T & L angle 1" x 1" i.c hanger clips jointing clips and G.I Wire etc complete as required in any floor.	Sq.ft.	6410.00		-
20	(124-187)	Providing and fixing mineral fiber tiles 2' x 2' x 12mm ceiling including T & L angle hanger clips jointing clips and G.I Wire etc complete as required in any floor.	Sq.ft.	6410.00		-
21	(124-192)	P/F kitchen cabinet wall mounted of 3/4" thick laminated board with best quality deodar wood frame and beading 1/8" thick hard board backing required section in approved pattern etc fixed on wall with rawal pugs,screws i/c the cost of glue , nails, screws, piano hinges, handles and painting or polishing etc as drawing complete all as respects.	Sq.ft.	100.00		-
22	(124-193)	P/F kitchen cabinet floor mounted of 3/4" thick laminated board with best quality deodar wood frame and beading required section in approved pattern etc fixed on floor with rawal pugs,screws i/c the cost of glue , nails, screws, piano hinges, handles and painting or polishing etc as drawing complete all as respects.	Sq.ft.	90.00		-
Ground Floor (Civil Works) Total Cost of Scheduled Items: PKR.						-
A.2 GROUND FLOOR CIVIL WORKS NON-SCHEDULED ITEM						
(Ref. Spec. 3000, 4600,6220, 6250,6411,6531, 6600,6700)						
23	NS- 01	Providing and applying 2 coat of Sika seal 105 on floor, complete in all respects and as directed by the Engineer's Incharge.	Sft.	1295.00		-
24	NS- 02	Providing and application of epoxy flooring complete in all respects as shown on drawings or as approved by the Engineer any floor.	Sft.	1540.00		-
25	NS- 03	Supply and Fixing MS Sheet 16 guage(10" x 2") box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc.	Rft	255.00		-
26	NS- 04	Supply and Fixing of Automatic Hermetic Door made of SS304 or aluminium alloy; machine by CNC machine, filing material of rigid polyurethane foam, foot sensor, outdoor occupancy lighting sign, double glazed frameless window, automatic door by induction and including all accessories as per manufacturing's specification complete in all respect and as directed be Engineer.	No.	3.00		-
27	NS- 05	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	Sft	417.00		-
28	NS- 06	3 coats of Epoxy painting as approved by the Engineer In-Charge on internal wall as mentioned on the drawings and / or as directed by the Engineer In-Charge as per manufacturer's recommendations including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	2830.00		-

29	NS- 07	3 coats of Antibacterial painting as approved by the Engineer In-Charge on internal wall as mentioned on the drawings and / or as directed by the Engineer In-Charge as per manufacturer's recommendations including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft	6125.00	-
30	NS- 08	Painting with matt enamel paint of approved make and shade two coats over and one priming coat including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	1770.00	-
A.3 GROUND FLOOR DISMINTANLING WORKS NON-SCHEDULED ITEM					
31	NS- 09	Dismantling of false ceiling and stacking the dismantled material at designated places as per instructions of the Engineer complete in all respects.	Sft	4235.00	-
32	NS- 10	Removal and stacking of any type of Door / Window / Ventilator / skylight / Grill including RCC element and masonry work, including lead and lift, complete in all respect.	Sft	1220.00	-
33	NS- 11	Dismantling / removal & disposal upto any lead and lift of flooring and wall tiles including base (mortar / PCC) complete in all respect.	Sft	17600.00	-
Ground Floor (Civil Works) Cost of Non-Scheduled Items: PKR.					-
Ground Floor (Civil Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.					-
B.1 FIRST FLOOR CIVIL WORKS - SCHEDULED ITEMS					
34	(110-34) + (110-94) + (110-70)	Providing and laying 1:3:6 cement concrete solid block masonry more than 6 inches (152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in cement mortar 1:5 including scaffolding, raking out joints and curing etc. complete in First floor superstructure.	100Cft	60.00	-
35	(110-44) + (110-94) + (110-70)	Providing and laying 1:3:6 cement concrete solid block masonry 4 to 6 inches (102 mm to 152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in lime cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in First floor superstructure.	100Cft	130.00	-
36	(117-6) + (117-25) + (114-134)	Providing and laying floors of 2 inches (51mm) thick 1:2:4 cement concrete using crush graded boulders 3/4 inch (19 mm) and down gauge, having a minimum works cube crushing strength of 3000 lbs. per sq inch at 28 days in First floor laid in panels including form work, consolidation, finishing and curing etc. complete.	100Sft	1540.00	-
37	(117-179)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) not exceeding 1600 Sq. cm each on walls & floors foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	100Sft.	5230.00	-

38	(117-180)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) exceeding 1600 Sq. cm each on walls & floors foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	100Sft.	16470.00		-
39	(119-32)	Providing and fixing iron grills with required section of angle iron and MS square bar as per approved design including welding all sides of the section at the junction, and fixing with sunk iron screws, painting two coats of red oxide paint etc. complete as required in any floor in masonry or concrete work.(Door & Window)	Kg.	270.00		-
40	(119-69)	Providing and fixing double glazed Bronze anodized or Powder Coated aluminium Sliding windows as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Executive model section double or single glazed 101mm x 37mm and 2mm thick including the cost of aluminium netting ,fitting, with all accessories cutting hole etc. and making good damages to walls etc. complete as required in any floor as per direction of engineer-in-charge, but excluding the cost of glass pans.	Sft.	200.00		-
41	(119-120)	Providing and fixing Tinted glass panes 5mm thick to M.S. Box pipe / Aluminium doors, windows and ventilators etc including the cost of labour but excluding the cost of M.S. square pipe beading, rubber packing and screw in any floor at any height.	Sft.	200.00		-
42	(120-2)	Providing and fixing best quality deodar frames for doors. windows, ventilators, clerestory windows, shelves, partitions, trellis work, etc., as required .	Cft	40.00		-
43	(120-22)	Providing and fixing 1-1/2 inch (38 mm) thick best quality deodar wood shutters fully panelled with same wood, approved iron hinges and tower bolts, etc., as required.	Sft	350.00		-
44	(120-64)	Providing and fixing 1-1/2 inches (38 mm) thick solid core deodar wood flushed veneered door shutters, with and including the cost of commercial plywood facing 3 mm. thick (3 ply) on both faces, fixed over best quality deodar wood frame 2 inches wide around 6 inches wide lock rail and 2nd class deodar wood solid core, i/c., 1/4 inch thick best quality deodar wood lipping on all sides as per approved drawing, manufactured under power driven hydraulic press, including the cost of approved iron fittings but excluding the cost of handles and locking arrangement.	Sft	350.00		-
45	(120-236)	Providing and fixing on frames etc., with sunken iron screws best quality deodar wood moulding beading, architrave etc., of approved design up-to one square inch (6.45 Sqm) in cross section as required .	Rft	470.00		-

46	(121-70)	Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi or approved design No. 72, Japan make, cutting wood etc., to required shape and size as per direction of engineer-in-charge .	Each	24.00	-
47	(121-84)	Providing and fixing with brass screws door Alpha lock with handle of approved design (Taiwan make), cutting wood etc., to required shape and size with two operating keys as per direction of the Engineer-in-Charge.	Each	26.00	-
48	(122-4) + (122-87)	1/2" (13 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and First floor including making edges, corners, and curing etc., complete .	100Sft	1250.00	-
49	(122-162)	Painting with (ICI) Dulux Plastic emulsion paint VIP of approved shade two coats over and including the cost of one priming coat complete over plastered surface at any height in any floor.	100Sft	1500.00	-
50	(122-189)	Applying French or spirit polishing, two coat of approved make on wood work at any height in any floor .	100Sft	1880.00	-
51	(124-185)	Providing and fixing Dampa ceiling aluminium, China make 2' x 2' tiles/ strip ceiling including all accessories i.e,plump, rod etc complete as required in any floor.	Sq.ft.	955.00	-
52	(124-186)	Providing and fixing Gypsum board 2' x 2'x 12mm tiles ceiling including Aluminum T & L angle 1" x 1" i.c hanger clips jointing clips and G.I Wire etc complete as required in any floor.	Sq.ft.	5370.00	-
53	(124-187)	Providing and fixing mineral fiber tiles 2' x 2' x 12mm ceiling including T & L angle hanger clips jointing clips and G.I Wire etc complete as required in any floor.	Sq.ft.	5370.00	-
54	(124-192)	P/F kitchen cabinet wall mounted of 3/4" thick laminated board with best quality deodar wood frame and beading 1/8" thick hard board backing required section in approved pattern etc fixed on wall with rawal pugs,screws i/c the cost of glue , nails, screws, piano hinges, handles and painting or polishing etc as drawing complete all as respects.	Sq.ft.	90.00	-
55	(124-193)	P/F kitchen cabinet floor mounted of 3/4" thick laminated board with best quality deodar wood frame and beading required section in approved pattern etc fixed on floor with rawal pugs,screws i/c the cost of glue , nails, screws, piano hinges, handles and painting or polishing etc as drawing complete all as respects.	Sq.ft.	80.00	-
First Floor (Civil Works) Total Cost of Scheduled Items: PKR.					-
B.2	FIRST FLOOR CIVIL WORKS NON-SCHEDULED ITEM				
	(Ref. Spec. 3000, 4600,6220, 6250,6411,6531, 6600,6700)				
56	NS- 12	Providing and applying 2 coat of Sika seal 105 on floor, complete in all respects and as directed by the Engineer's Incharge.	Sft.	955.00	-

57	NS- 13	Providing and application of epoxy flooring complete in all respects as shown on drawings or as approved by the Engineer any floor.	Sft.	1760.00	-
58	NS- 14	Supply and Fixing MS Sheet 16 gauge (10' x 2') box type chowkats including fixing in position with all charges for Hold fast, Hinges and Painting etc.	Rft	295.00	-
59	NS- 15	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	Sft	540.00	-
60	NS- 16	Supply and Fixing of Double Leaf Hermetic Door with Door Frame (Swing Type) Door Leaf: MS, 18 SWG Door Frame: Single Rabbett 16 SWG Door Thickness :42 mm Door Frame: 100mm Vision Panel : 500mm X 500 mm 6 mm Clear Glass with Rubber Seal - PU/Thermophore Infill - Mating Points Highly Finished - Heavy Duty S.S Hinges - Finished with Enamel Paint and including hardware C Type Door Handle, Heavy Duty Door Closer , Bolt Lock Set, Door Seals with all accessories as per manufacturing's specification complete in all respect and as directed be Engineer.	No.	4.00	-
61	NS- 18	Painting with matt enamel paint of approved make and shade two coats over and one priming coat including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	1835.00	-
62	NS- 19	3 coats of Epoxy painting as approved by the Engineer In-Charge on internal wall as mentioned on the drawings and / or as directed by the Engineer In-Charge as per manufacturer's recommendations including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	3125.00	-
63	NS- 20	3 coats of Antibacterial painting as approved by the Engineer In-Charge on internal wall as mentioned on the drawings and / or as directed by the Engineer In-Charge as per manufacturer's recommendations including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft	5620.00	-
B.3		FIRST FLOOR DISMINTANLING WORKS NON-SCHEDULED ITEM			
64	NS- 21	Dismantling of false ceiling and stacking the dismantled material at designated places as per instructions of the Engineer complete in all respects.	Sft	3510.00	-

65	NS- 22	Removal and stacking of any type of Door / Window / Ventilator / skylight / Grill including RCC element and masonry work, including lead and lift, complete in all respect.	Sft	960.00		-
66	NS- 23	Dismantling / removal & disposal upto any lead and lift of flooring and wall tiles including base (mortar / PCC) complete in all respect.	Sft	15190.00		-
First Floor (Civil Works) Cost of Non-Scheduled Items: PKR.						-
First Floor (Civil Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
C.1	SECOND FLOOR CIVIL WORKS - SCHEDULED ITEMS					
67	(110-34) + (110-94) + (110-70) + (110-71)	Providing and laying 1:3:6 cement concrete solid block masonry more than 6 inches (152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in cement mortar 1:5 including scaffolding, raking out joints and curing etc. complete in Second floor superstructure.	100Cft	60.00		-
68	(110-44) + (110-94) + (110-70) + (110-71)	Providing and laying 1:3:6 cement concrete solid block masonry 4 to 6 inches (102 mm to 152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in lime cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in Second floor superstructure.	100Cft	130.00		-
69	(117-179)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) not exceeding 1600 Sq. cm each on walls & floors foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	100Sft.	5230.00		-
70	(122-4) + (122-87) + (122-90)	1/2" (13 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and Second floor including making edges, corners, and curing etc., complete .	100Sft	750.00		-
71	(124-185)	Providing and fixing Dampa ceiling aluminium, China make 2' x 2' tiles/ strip ceiling including all accessories i.e,plump, rod etc complete as required in any floor.	Sq.ft.	955.00		-
Second Floor (Civil Works) Total Cost of Scheduled Items: PKR.						-
C.2	SECOND FLOOR CIVIL WORKS NON-SCHEDULED ITEM					
(Ref. Spec. 6220, 6250,6411,6700)						
72	NS- 24	Providing and applying 2 coat of Sika seal 105 on floor, complete in all respects and as directed by the Engineer's Incharge.	Sft.	955.00		-
73	NS- 25	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	Sft	540.00		-

74	NS- 26	Painting with matt enamel paint of approved make and shade two coats over and one priming coat including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	1835.00		-
C.3						
SECOND FLOOR DISMINTANLING WORKS NON-SCHEDULED ITEM						
75	NS- 27	Dismantling of false ceiling and stacking the dismantled material at designated places as per instructions of the Engineer complete in all respects.	Sft	290.00		-
76	NS- 28	Removal and stacking of any type of Door / Window / Ventilator / skylight / Grill including RCC element and masonry work, including lead and lift, complete in all respect.	Sft	260.00		-
77	NS- 29	Dismantling / removal & disposal upto any lead and lift of flooring and wall tiles including base (mortar / PCC) complete in all respect.	Sft	3660.00		-
Second Floor (Civil Works) Cost of Non-Scheduled Items: PKR.						-
Second Floor (Civil Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
D.1						
THIRD FLOOR CIVIL WORKS - SCHEDULED ITEMS						
78	(110-34) + (110-94) + (110-70) + 2x(110-71)	Providing and laying 1:3:6 cement concrete solid block masonry more than 6 inches (152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in cement mortar 1:5 including scaffolding, raking out joints and curing etc. complete in Third floor superstructure.	100Cft	60.00		-
79	(110-44) + (110-94) + (110-70) + 2x(110-71)	Providing and laying 1:3:6 cement concrete solid block masonry 4 to 6 inches (102 mm to 152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in lime cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in Third floor superstructure.	100Cft	130.00		-
80	(117-179)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) not exceeding 1600 Sq. cm each on walls & floors foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	100Sft.	6285.00		-
81	(122-4) + (122-87) + 2x(122-90)	1/2" (13 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and Third floor including making edges, corners, and curing etc., complete .	100Sft	750.00		-
82	(124-185)	Providing and fixing Dampa ceiling aluminium, China make 2' x 2' tiles/ strip ceiling including all accessories i.e,plump, rod etc complete as required in any floor.	Sq.ft.	1125.00		-
Third Floor (Civil Works) Total Cost of Scheduled Items: PKR.						-
D.2						
THIRD FLOOR CIVIL WORKS NON-SCHEDULED ITEM						
(Ref. Spec. 6220, 6250,6411,6700)						

83	NS- 30	Providing and applying 2 coat of Sika seal 105 on floor, complete in all respects and as directed by the Engineer's Incharge.	Sft.	1125.00		-
84	NS- 31	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	Sft	609.00		-
85	NS- 32	Painting with matt enamel paint of approved make and shade two coats over and one priming coat including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	1740.00		-
D.3		THIRD FLOOR DISMINTANLING WORKS NON-SCHEDULED ITEM				
86	NS- 33	Dismantling of false ceiling and stacking the dismantled material at designated places as per instructions of the Engineer complete in all respects.	Sft	340.00		-
87	NS- 34	Removal and stacking of any type of Door / Window / Ventilator / skylight / Grill including RCC element and masonry work, including lead and lift, complete in all respect.	Sft	260.00		-
88	NS- 35	Dismantling / removal & disposal upto any lead and lift of flooring and wall tiles including base (mortar / PCC) complete in all respect.	Sft	4400.00		-
Third Floor (Civil Works) Cost of Non-Scheduled Items: PKR.						-
Third Floor (Civil Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
E.1		FOURTH FLOOR CIVIL WORKS - SCHEDULED ITEMS				
89	(110-34) + (110-94) + (110-70) + 3x(110-71)	Providing and laying 1:3:6 cement concrete solid block masonry more than 6 inches (152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in cement mortar 1:5 including scaffolding, raking out joints and curing etc. complete in Fourth floor superstructure.	100Cft	60.00		-
90	(110-44) + (110-94) + (110-70) + 3x(110-71)	Providing and laying 1:3:6 cement concrete solid block masonry 4 to 6 inches (102 mm to 152 mm) thick using graded screened bajri 3/4 inch (19 mm) and down gauge set in lime cement mortar 1:1:6 including scaffolding, raking out joints and curing etc. complete in Fourth floor superstructure.	100Cft	130.00		-
91	(117-179)	Providing & laying light/colour unglazed vitrified porcelain tiles (polished) not exceeding 1600 Sq. cm each on walls & floors foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over on 1" thick cement mortar (1:3) including jointing the tiles with joint filler of approved quality as per direction of the Engineer incharge.	100Sft.	6285.00		-
92	(122-4) + (122-87) + 3x(122-90)	1/2" (13 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and Forth floor including making edges, corners, and curing etc., complete .	100Sft	1250.00		-

93	(124-185)	Providing and fixing Dampa ceiling aluminium, China make 2' x 2' tiles/ strip ceiling including all accessories i.e,plump, rod etc complete as required in any floor.	Sq.ft.	1125.00	-
Fourth Floor (Civil Works) Total Cost of Scheduled Items: PKR.					-
E.2	<u>FOURTH FLOOR CIVIL WORKS NON-SCHEDULED ITEM</u>				
	<u>(Ref. Spec. 6220, 6250,6411,6700)</u>				
94	NS- 36	Providing and applying 2 coat of Sika seal 105 on floor, complete in all respects and as directed by the Engineer's Incharge.	Sft.	1125.00	-
95	NS- 37	Providing & fixing uPVC white color full body doors with UPVC frame and chowkat including, locks and all hardware fittings, etc. complete in all respects	Sft	609.00	-
96	NS- 38	Painting with matt enamel paint of approved make and shade two coats over and one priming coat including supplying all labour, materials, scaffoldings and removal of debris etc. at any floor / height, complete in all respect	Sft.	1740.00	-
E.3	<u>FOURTH FLOOR DISMINTANLING WORKS NON-SCHEDULED ITEM</u>				
97	NS- 39	Dismantling of false ceiling and stacking the dismantled material at designated places as per instructions of the Engineer complete in all respects.	Sft	340.00	-
98	NS- 40	Removal and stacking of any type of Door / Window / Ventilator / skylight / Grill including RCC element and masonry work, including lead and lift, complete in all respect.	Sft	260.00	-
99	NS- 41	Dismantling / removal & disposal upto any lead and lift of flooring and wall tiles including base (mortar / PCC) complete in all respect.	Sft	4400.00	-
Fourth Floor (Civil Works) Cost of Non-Scheduled Items: PKR.					-
Fourth Floor (Civil Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.					-
F.1	<u>ROOF CIVIL WORKS - SCHEDULED ITEMS</u>				
100	(117-6) + (117-25) + 4x(117-26) + (114-134)	Providing and laying floors of 2 inches (51mm) thick 1:2:4 cement concrete using crush graded boulders 3/4 inch (19 mm) and down gauge, having a minimum works cube crushing strength of 3000 lbs. per sq inch at 28 days in 5th floor laid in panels with chicken mesh/wire mesh including form work, consolidation, finishing and curing etc. Complete.	100Sft	15920.00	-
Roof (Civil Works) Total Cost of Scheduled Items: PKR.					-
F.2	<u>ROOF CIVIL WORKS NON-SCHEDULED ITEM</u>				
	<u>(Ref. Spec.2200,5100)</u>				
101	NS- 42	Supply and Fixing PVC pipe for draining rain water (from roof) complete On surface including clamps etc: 4" i/d	Rft	360.00	-
102	NS- 43	Khuras on roof 2'x2'x6"	Each	8.00	-

103	NS- 44	Removal & disposal upto any lead and lift of roof and including base (mortar / PCC) complete in all respect. Surface Preparation cleaning, Scraping for roof treatment as per Engineer's instructions.	Sft	9550.00		-
Roof Floor (Civil Works) Cost of Non-Scheduled Items: PKR.						-
Roof Floor (Civil Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
Total Cost of Civil Works: PKR.						-
G.1	<u>GROUND FLOOR ELECTRICAL WORKS - SCHEDULED ITEMS</u>					
	<u>POINT WIRING IN RECESSED PVC CONDUIT</u>					
104	2-3-01	Wiring for light or fan point with (3/.029") pvc insulated wire in 20 mm ² (3/4") dia upvc conduit recessed in the wall , column , roof including 1 mm ² single core pvc insulated wire as ECC as Required.	Point	400		-
	<u>EXTENSION /ADDITIONAL POINT WIRING</u>					
105	2-7-03	Extension /additional wiring for light fan call bell or light plug point controlled with same switch with (3/.029") pvc insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall , column or roof including 1mm ² single core pvc insulated wire as ECC as required	P/Point	100		-
<u>SINGLE PVC INSULATED WIRE AND PVC ,PVC CABLE IN EXISTING CONDUITS/DUCTS</u>						
106	2-26-04	Supply & drawing of 6 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	25		-
107	2-26-05	Supply & drawing of 10 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	50		-
108	2-26-06	Supply & drawing of 16 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	800		-
109	2-26-10	Supply & drawing of 70 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	250		-
110	2-26-14	Supply & drawing of 185 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	500		-
111	2-26-15	Supply & drawing of 240 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	1,500		-
<u>2 WIRE WITH ECC WIRE IN EXISTING CONDUITS/CABLE DUCT</u>						
112	2-27-02	Supply & drawing of 2 x2.5 mm ² single core pvc insulated wire including 1 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required	Rft	4,500		-

113	2-27-03	Supply & drawing of 2 x4 mm ² single core pvc insulated wire including 1.5 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required.(Db to first Socket , Socket to Socket)	Rft	4,500		-
		UPVC CONDUIT & DUCT				
114	2-61-05	Supply and fixing 50mm (2") dia Upvc conduit with all especial such as bends, sockets, junction etc Fitted on surface as required	P/Rft	250		-
115	2-61-06	Supply and fixing 20mm (3/4) dia Upvc conduit with all especial such as bends, sockets, junction etc recessed in the wall or column as required	P/Rft	250		-
116	2-61-07	Supply and fixing 25mm (1") dia pvc conduit with all especial such as bends, sockets, junction etc recessed in the wall or column as required	P/Rft	250		-
117	2-61-08	Supply and fixing 30mm (1-1/4) dia pvc conduit with all especial such as bends, sockets, junction etc recessed in the wall or column as required	P/Rft	250		-
		SCHNEIDER /PHILIPS ACCESSORIES ON RESSED METAL BOARD				
118	2-66-02	Providing & fixing 10 Amps Polycarbonate flame retardant, Two way Switch with fancy required gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required.	Each.	2		-
119	2-66-11	Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required.	Each	3		-
120	2-66-12	Providing & fixing Polycarbonate flame retardant, tv socket with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Clipsal make)	Each	3		-
		<u>ELECTRIC FANS</u>				
		<u>CEILING FAN</u>				
121	2-80-03	Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Millat/Pak/Asia/Younas/Climax/Royal.	Each	10		-
		<u>WALL BRACKET FAN</u>				
122	2-81-01	Providing & installing 35 Cm (14") wall bracket fan complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Millat / Pak / Asia / Younas / Climax / Royal.	Each	10		-
		<u>FAN CLAMPS</u>				

123	2-87-06	Providing & fixing 3"x4"x5" size (14 SWG) thick recessed type fan clamp box with 1/2" dia MS bar fan clamp fixed in roof at casting time as required.	Each.	20		-	
		<u>DOUBLE ACTION PLASTIC BODY EXHAUST FANS</u>					
124	2-85-02	Providing & installing 25 Cm (10") sweep Double action Plastic body exhaust fan complete with blades, motor & regulator & pulling cord switch etc. fixed in existing hole including connection with 14 /0076" flexible wire complete as required. Millat / Pak / Asia / Younas / Climax / Roval	Each	25		-	
		<u>4 CORE LT UN ARMoured CABLE IN EXISTING CONDUIT OR CABLE DUCT</u>					
125	3-4-01(a)	Providing & laying 4 core, 16 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250		-	
126	3-4-01(b)	Providing & laying 4 core, 25 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250		-	
127	3-4-01©	Providing & laying 4 core, 35 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250		-	
128	3-4-01(d)	Providing & laying 4 core, 50 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250		-	
		<u>EARTHING AND LIGHTNING ARRESTOR</u>					
129	3-8-01	Providing and fixing Earthing set with 2'x2'x1/8" copper plate Buried in the ground at the depth of 12 feet or less if water comes out from the ground level (with salt and charcoal or earthing chemical powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock)/i/c fixing of 8 SWG copper wire in 1/2" GI conduit complete in all respect as required.	Job	1		-	
		<u>IP CCTV SYSTEM</u>					

130	8-4-01	Supply at site, installation, testing & commissioning of Bullet IP - Cameras, having following specifications: Image device at least 1/2.8 inch resolution & frames/sec : At least 2MP /30FPS Video compression H.265 , H264 MJPEG Focal length (varifocal): At least up to 12 mm Min illumination: 0 lux (B/W) 0.095 lux color infrared viewable length :At least 30 m weather proof standards IP 66 at least Vandal Proof Standards At Least IK 10 complete in all respects. as approved by the Engineer Incharge.	Job.	27		-
131	8-5-01	Wiring of CCTV Camera with UTP Cat-6 in existing PVC Conduits/duct i/c connectors complete in all respect.	P/ Meter	2,000		-
132	8-6-04	Supply, installation, testing & commissioning of 32-Channel NVR 32 POE /POE+ PORTS having Following Specifications: Max Recording Rate 256 Mbps Embedded system Linux or Latest, VGA and HDMI (upto 4k supports) & Dual Monitoring compression: H.265 H.264, MJPEG Internal storage upto 8 SATA (Max 48 TB), External storage 1 e-SATA Monitoring Web viewer and Mobile Viewer camera support: ONVIF, complete in all respects. as approved by the Engineer Incharge.	P/Job.	2		-
		<u>LED MONITOR & LD TV & HARD DRIVE</u>				
133	8-8-01 (d)	Supply, installation, testing & commissioning of 55 " LED SMART TV Latest model suitable for operation on 220/230 v 50 hz Ac supply including usb /HDMI ports Video in audio in suitable to HDMI -1 To HDMI-11 via wire less remote flexible cord shoe wifi bluetooth wall bracket Rawal bolts etc complete with electric connections as approved by the engineer incharge.	P/Job.	2		-
		<u>POE SWITCHES</u>				
134	8-7-01(c)	providing fixing and installation poe giga bit switches 24-Port , including all components and accessories complete in all respect as approved by the Engineer incharge.	P/Job.	2		-
		<u>SUNLIGHT , PIERE LIGHT , FUTURE TECHNOLOGY</u>				
135	2-78-01(a)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ neutral white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (7-10) Watts	Each	45		-

136	2-78-01(c)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ neutral white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (18-20) Watts	Each	66		-
137	2-78-02(a)	Supply installation testing & commissioning of recessed / surface mounted led panel light including driver having war/ neutral white / cool white colour 80-100 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. 36 Watts (2ft x 2ft)	Each	221		-
138	2-78-03(a)	Supply installation testing & commissioning of LED Tube / Batten Lights including driver having war/ neutral white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 10000-15000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (18-20) Watts 2 Feet	Each	5		-
139	2-78-03(b)	Supply installation testing & commissioning of LED Tube / Batten Lights including driver having war/ neutral white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 10000-15000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (18-20) Watts 4 Feet	Each	5		-
140	2-78-03(c)	Supply installation testing & commissioning of LED Tube / Batten Lights including driver having war/ neutral white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 10000-15000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (36) Watts 4 ft	Each	5		-
141	2-78-05(c)	Supply installation testing & commissioning of LED Flood Lights including driver having war/ neutral white / cool white colour 110-120 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (80-110) Watts.	Each	5		-
142	2-78-05(a)	Supply installation testing & commissioning of LED Flood Lights including driver having war/ neutral white / cool white colour 110-120 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (20-30) Watts.	Each	5		-
143	2-78-09(d)	Supply installation testing & commissioning of LED emergency Lights including connection complete in all respect as approved by the Engineer incharge (2 w+ 2x4 watt emergency Light	Each	10		-

Ground Floor (Electrical Works) Total Cost of Scheduled Items: PKR.						-
G.2		GROUND FLOOR ELECTRICAL WORKS NON-SCHEDULED ITEM				
		Supply, installation, testing and commissioning of the following items of work (unless specifically stated otherwise) including all material, labour, tools, plant, accessories, related civil works, etc., required for proper completion of each item as per specifications (Section-8001 "General Specifications for Electrical Works" shall be applicable to all BOQ items).				
		MAIN SWITCHBOARDS /SUB MAIN DISTRIBUTION BOARDS				
		(Ref. Spec. 8001 , 8133)				
		Following L.T. Switchboard and Submain Distribution Boards, (as per single line diagram shown on the drawing), including all control wiring, foundation, related civil works and all accessories, complete in all respects.				
144	NS-01	MDB	Job	1		-
145	NS-02	EMDB	Job	1		-
146	NS-03	SMDB-UPS	Job	1		-
147	NS-04	PDB	Job	2		-
148	NS-05	ACDB	Job	2		-
149	NS-06	LDB	Job	2		-
		LED LIGHT FIXTURE				
		(Ref. Spec. 8001, 8150)				
		Supply, installation, testing & commissioning of the following types of light fixtures including LED Light with driver, internal wiring complete with all mounting accessories as per architectural arrangements/ requirements, dust & moisture protected and corrosion proof and suitable for this area as acceptably supplied and installed and as approved by the Engineer.				
150	NS-07	12 W WALL OUTDOOR LIGHT	Each	30		-
		MISCELLANEOUS ITEMS				
		Ref. Spec. Sec. 8001, 8290				
		Following rating SP&N/TP&N load break switches AC-3 duty in weather proof enclosure of the following rating:				
151	NS-08	16 Amp, SP&N	Each	1		-
152	NS-09	20 Amp, SP&N	Each	1		-
153	NS-10	30 Amp, SP&N	Each	1		-
154	NS-11	30 Amp, TP&N	Each	1		-

155	NS-12	60 Amp, TP&N	Each	1		-
156	NS-13	Supply and Fixing of electric False Ceiling Fan Decorative 18" 2x2, single phase and blade complete , including remote/ control and all accessories.	Each	25		-
		Following sizes of perforated G.I. sheet cable trays with cover including joints, bend, mounting brackets hanger complete with all accessories.				
157	NS-14	4" x 2"	Rft.	200		-
158	NS-15	8" x 3"	Rft.	250		-
159	NS-16	Supply and Installation of 6" dia PVC Class 'D' pipe	Rft	1,500		-
160	NS-17	Supply, installation, testing & commissioning of UPS System of rating 60 KVA three phase 400 V 50 Hz with 15 minutes back up time with lead acid batteries (VRLA) 05 years life, CD with Software, Network Management Card, power module UPS Cable Rs 232 Fabricated according to IP 51 for industrial environment complete in all respect as per technical specifications.	Job	1		-
		AIR CONDITIONING				
		Ref. Spec. Sec. 8001, splits units				
		Supply & Installation of Reversible Air conditioning units Wall Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding , fittings insulation, tape wrapping etc , insulation, refrigerant charge thermostat ,control between indoor and outdoor units power wiring , conduiting , dura duct / channel mounting brackets and accessories complete in all respect				
161	NS-18	1 Ton 4-Way Cassette Heat and cool	Job.	4		-
162	NS-19	1.5 Ton 4-Way Cassette Heat and cool	Job.	20		-
163	NS-20	2 Ton 4-Way Cassette Heat and cool	Job.	4		-
164	NS-21	4 Ton 4-Way Cassette Heat and cool	Job.	3		-
		WIRING ACCESSORIES				
		(Ref. Spec. Sec. 8001, 8220)				
165	NS-22	10 Amps, 250 Volts one way, ONE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	10		-
166	NS-23	10 Amps, 250 Volts one way, TWO gang light control switches including appropriate size powder coated metallic concealed back box.	No.	10		-
167	NS-24	10 Amps, 250 Volts one way, THREE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	30		-

168	NS-25	10 Amps, 250 Volts one way, FOUR gang light control switches including appropriate size powder coated metallic concealed back box.	No.	30		-
169	NS-26	10 Amps, 250 Volts one way, FIVE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	15		-
170	NS-27	10 Amps, 250 Volts one way, SIX gang light control switches including appropriate size powder coated metallic concealed back box.	No.	5		-
171	NS-28	Simplex Universal Switch outlet with switch 13 A, 230V. Mounting Height as per site including appropriate size powder coated metallic back box.	No.	160		-
172	NS-29	15 Amps, 250 Volts Universal switch socket unit including appropriate size powder coated metallic back box.	No.	10		-
173	NS-30	20 Amps, 250 Volts flex outlet with double pole switch & neon indication lamp including appropriate size steel back box & fuse protection	No.	30		-
		EARTHING				
		(Ref. Spec. Sec. 8001 8240)				
174	NS-31	305 mm long, 50 mm wide and 6mm thick copper busbar as ECP (Earth Connecting Point) complete with insulators, washers, nuts, bolts mounting installation and operational accessories as per site requirements.	Each	6		-
		IP CCTV SYSTEM				
		(Ref. Spec. Sec. 8001, 8335)				
175	NS-32	24 port Cat-6 UTP shielded Giga Speed modular loaded (RJ45) jack patch panels compatible with 19" rack installed in floor/wall mounted cabinet including built-in rear cable management with all mounting accessories.	Job.	2		-
		CABLE ANTENNA TV SYSTEM				
		Following type solid copper conductor, copper braid coaxial cable including appropriate size concealed or surface PVC conduit or PVC channel and all accessories with cutting/making holes in walls making surface good complete in all respect.				
176	NS-33	RG-11	Rft.	500		-
177	NS-34	10 way TV splitter appropriate size concealed back box.	No	1		-
		STRUCTURED CABLING NETWORK(TELEPHONE & NETWORKING)				
		Ref.Spec. 8212,8230,8240,8290,8312				

178	NS-35	Wiring of Telecommunication RJ45 outlet point from relevant Floor distributor Cabinet to RJ45 outlet point with CAT-6A, U/UTP 10G supported cable including appropriate size concealed or surface PVC conduit or PVC channel , all accessories with cutting/making holes in walls making surface good complete in all respect	No.	50		-
179	NS-36	6" x 2"of G I sheets of 16 SWG sheet steel trunking with cover including joints bends mounting brackets joints bends mounting Brackets hanger complete with all accessories	Rft.	500		-
180	NS-37	12" x 2"same as above but ladder type	Rft.	25		-
181	NS-38	(2 X 25) 50 pair Cat-5 UTP cable for voice back bone including Appropriate size trunking / conduit complete in all respect.	Rft.	500		-
		Following type CAT-6A, UTP Giga Speed patch cord with required connector at both ends:				
182	NS-39	1 metre (3 ft.) long	No.	100		-
183	NS-40	3 metre (10 ft.) long	No.	100		-
184	NS-41	Simplex Face plate with RJ-45 I/O CAT-6 UTP telecommunication outlet including sheet steel back box shall make of 16 SWG shall be finished in powder coated paint. including all mounting accessories.	No.	50		-
185	NS-42	24 port Cat-6A U/UTP 10G Supported modular (RJ45) jack (Loaded with (RJ45) jack) patch panels compatible 19" rack installed in floor/wall mounted cabinet including built-in rear cable management with all mounting accessories.	No.	3		-
186	NS-43	19" Rack mounted Front Cable Management.	No.	3		-
187	NS-44	1m long patch cord with RJ45 connector at one end and required IDC connector at another end.	No.	5		-
188	NS-45	1m long single pair patch cord with required connector at both ends.	No.	5		-
		Following type disconnection module with all mounting accessories.				
189	NS-46	50 pair	No.	1		-
190	NS-47	100 pair	No.	1		-
		Following type optical fibre patch panel OM3 LC type 10 G Supported, including pigtails and splice tray with all installation accessories.				
191	NS-48	12 port	No.	1		-
192	NS-49	48 port	No.	1		-
		Following type Fibre Optic Patch Cord.				

193	NS-50	LC-LC OM3 type 3 metre (10 ft.) long	No.	3	-
		Following sizes Rack with Plexiglass door including Hoops, side management, cable trays, fan tray and required number of power sockets including all mounting accessories.			
194	NS-51	42U (800 X 1000) IMPORTED (Server Rack)	No.	1	-
195	NS-52	24 U	No.	1	-
196	NS-53	12 core, 50/125 um, OM3 10G supported optical fibre multimode (MM) back bone cable in already installed conduit / trunking.	Rft.	500	-
197	NS-54	Supply installation testing and commissioning of layer-2 network switch with 24 Giga Ethernet ports with 02 Nos of SFPS OM3 Up Link (Support 10.0 G) Including Cost of 02 Nos 10G SFP OM3 up link (support 10.0 G) including cost of 02 Nos 10 G SFPS Modules Multi mode complete in all respect.	No	3	-
198	NS-55	Supply, Installation, Testing & Commissioning of WIFI Access Points Ceiling Mounted Support 802.11 a/g/n, Software Ctrlr-based, Long Range, Complete in all respect, as per drawing and specifications.	No	3	-
Ground Floor (Electrical Works) Total Cost of Non-Scheduled Items: PKR.					-
Ground Floor (Electrical Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.					-
H.1	FIRST FLOOR ELECTRICAL WORKS - SCHEDULED ITEMS				
	POINT WIRING IN RECESSED PVC CONDUIT				
199	2-3-01	Wiring for light or fan point with (3/.029") pvc insulated wire in 20 mm ² (3/4") dia upvc conduit recessed in the wall , column , roof including 1 mm ² single core pvc insulated wire as ECC as Required.	Point	350	-
	EXTENSION /ADDITIONAL POINT WIRING				
200	2-7-03	Extension /additional wiring for light fan call bell or light plug point controlled with same switch with (3/.029") pvc insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall , column or roof including 1mm ² single core pvc insulated wire as ECC as required	P/Point	100	-
	SINGLE PVC INSULATED WIRE AND PVC ,PVC CABLE IN EXISTING CONDUITS/DUCTS				
201	2-26-04	Supply & drawing of 6 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	25	-

202	2-26-05	Supply & drawing of 10 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	50		-
203	2-26-06	Supply & drawing of 16 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	Rft	800		-
2 WIRE WITH ECC WIRE IN EXISTING CONDUITS/CABLE DUCT						
204	2-27-02	Supply & drawing of 2 x2.5 mm ² single core pvc insulated wire including 1 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required.	Rft	4,500		-
205	2-27-03	Supply & drawing of 2 x4 mm ² single core pvc insulated wire including 1.5 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required.(Db to first Socket , Socket to Socket)	Rft	4,500		-
UPVC CONDUIT & DUCT						
206	2-61-05	Supply and fixing 50mm (2") dia Upvc conduit with all especial such as bends, sockets, junction etc Fitted on surface as required	P/Rft	250		-
207	2-61-06	Supply and fixing 20mm (3/4") dia Upvc conduit with all especial such as bends, sockets, junction etc recessed in the wall or column as required.	P/Rft	250		-
208	2-61-07	Supply and fixing 25mm (1") dia pvc conduit with all especial such as bends, sockets, junction etc recessed in the wall or column as required	P/Rft	250		-
209	2-61-08	Supply and fixing 30mm (1-1/4") dia pvc conduit with all especial such as bends, sockets, junction etc recessed in the wall or column as required.	P/Rft	250		-
SCHNEIDER /PHILIPS ACCESSORIES ON RESSED METAL BOARD						
210	2-66-02	Providing & fixing 10 Amps Polycarbonate flame retardant, Two way Switch with fancy required gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required.	Each.	2		-
211	2-66-11	Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required.	Each	3		-
212	2-66-12	Providing & fixing Polycarbonate flame retardant, tv socket with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Clipsal make)	Each	3		-
ELECTRIC FANS						
CEILING FAN						

213	2-80-03	Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Millat/Pak/Asia/Younas/Climax/Royal.	Each	10	-
		<u>WALL BRACKET FAN</u>			
214	2-81-01	Providing & installing 35 Cm (14") wall bracket fan complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Millat / Pak / Asia / Younas / Climax / Royal.	Each	10	-
		<u>FAN CLAMPS</u>			
215	2-87-06	Providing & fixing 3"x4"x5" size (14 SWG) thick recessed type fan clamp box with 1/2" dia MS bar fan clamp fixed in roof at casting time as required.	Each.	10	-
		<u>DOUBLE ACTION PLASTIC BODY EXHAUST FANS</u>			
216	2-85-02	Providing & installing 25 Cm (10") sweep Double action Plastic body exhaust fan complete with blades, motor & regulator & pulling cord switch etc. fixed in existing hole including connection with 14 / .0076" flexible wire complete as required. Millat / Pak / Asia / Younas / Climax / Royal.	Each	25	-
		<u>4 CORE LT UN ARMoured CABLE IN EXISTING CONDUIT OR CABLE DUCT</u>			
217	3-4-01(a)	Providing & laying 4 core, 16 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250	-
218	3-4-01(b)	Providing & laying 4 core, 25 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250	-
219	3-4-01©	Providing & laying 4 core, 35 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor , un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250	-

220	3-4-01(d)	Providing & laying 4 core, 50 mm ² , PVC insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor, un armoured, L.T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	P/Rft	250		-
		<u>IP CCTV SYSTEM</u>				
221	8-4-01	Supply at site, installation, testing & commissioning of Bullet IP - Cameras, having following specifications: Image device at least 1/2.8 inch resolution & frames/sec : At least 2MP /30FPS Video compression H.265 , H264 MJPEG Focal length (varifocal): At least up to 12 mm Min illumination: 0 lux (B/W) 0.095 lux color infrared viewable length :At least 30 m weather proof standards IP 66 at least Vandel Proof Standards At Least IK 10 complete in all respects. as approved by the Engineer Incharge.	Job.	27		-
222	8-5-01	Wiring of CCTV Camera with UTP Cat-6 in existing PVC Conduits/duct i/c connectors complete in all respect.	P/ Meter	2,000		-
223	8-6-04	Supply, installation, testing & commissioning of 32-Channel NVR 32 POE /POE+ PORTS having Following Specifications: Max Recording Rate 256 Mbps Embedded system Linux or Latest, VGA and HDMI (upto 4k supports) & Dual Monitoring compression: H.265 H.264, MJPEG Internal storage upto 8 SATA (Max 48 TB), External storage 1 e-SATA Monitoring Web viewer and Mobile Viewer camera support: ONVIF, complete in all respects. as approved by the Engineer Incharge.	P/Job.	2		-
		<u>LED MONITOR & LD TV & HARD DRIVE</u>				
224	8-8-01 (d)	Supply, installation, testing & commissioning of 55 " LED SMART TV Latest model suitable for operation on 220/230 v 50 hz Ac supply including usb /HDMI ports Video in audio in suitable to HDMI -1 To HDMI-11 via wire less remote flexible cord shoe WIFI blue tooth wall bracket rawal bolts etc complete with electric connections as approved by the engineer incharge.	P/Job.	2		-
		<u>POE SWITCHES</u>				
225	8-7-01(c)	providing fixing and installation poe giga bit switches 24-Port , including all components and accessories complete in all respect as approved by the Engineer incharge.	P/Job.	2		-
		<u>SUNLIGHT , PIERE LIGHT , FUTURE TECHNOLOGY</u>				

226	2-78-01(a)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (7-10) Watts	Each	45		-
227	2-78-01(c)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (18-20) Watts	Each	66		-
228	2-78-02(a)	Supply installation testing & commissioning of recessed / surface mounted led panel light including driver having war/ natural white / cool white colour 80-100 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. 36 Watts (2ft x 2ft)	Each	221		-
229	2-78-03(a)	Supply installation testing & commissioning of LED Tube / Batten Lights including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 10000-15000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (18-20) Watts 2 Feet	Each	5		-
230	2-78-03(b)	Supply installation testing & commissioning of LED Tube / Batten Lights including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 10000-15000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (18-20) Watts 4 Feet	Each	5		-
231	2-78-03(c)	Supply installation testing & commissioning of LED Tube / Batten Lights including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 10000-15000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (36) Watts 4 ft	Each	5		-
232	2-78-05(c)	Supply installation testing & commissioning of LED Flood Lights including driver having war/ natural white / cool white colour 110-120 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (80-110) Watts.	Each	5		-

233	2-78-05(a)	Supply installation testing & commissioning of LED Flood Lights including driver having warm/ natural white / cool white colour 110-120 lm/watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (20-30) Watts.	Each	2		-
234	2-78-09(d)	Supply installation testing & commissioning of LED emergency Lights including connection complete in all respect as approved by the Engineer incharge (2 w+ 2x4 watt emergency Light	Each	5		-
First Floor (Electrical Works) Total Cost of Scheduled Items: PKR.						-
H.2	<u>FIRST FLOOR ELECTRICAL WORKS NON-SCHEDULED ITEM</u>					
		Supply, installation, testing and commissioning of the following items of work (unless specifically stated otherwise) including all material, labour, tools, plant, accessories, related civil works, etc., required for proper completion of each item as per specifications (Section-8001 "General Specifications for Electrical Works" shall be applicable to all BOQ items).				
	<u>MAIN SWITCHBOARDS /SUB MAIN DISTRIBUTION BOARDS</u>					
	<u>(Ref. Spec. 8001 , 8133)</u>					
	Following L.T. Switchboard and Submain Distribution Boards, (as per single line diagram shown on the drawing), including all control					
235	NS-56	PDB	Job	2		-
236	NS-57	ACDB	Job	2		-
237	NS-58	LDB	Job	2		-
	<u>LED LIGHT FIXTURE</u>					
	<u>(Ref. Spec. 8001, 8150)</u>					
		Supply, installation, testing & commissioning of the following types of light fixtures including LED Light with driver, internal wiring complete with all mounting accessories as per architectural arrangements/ requirements, dust & moisture protected and corrosion proof and suitable for this area as acceptably supplied and installed and as approved by the Engineer.				
238	NS-59	12 W WALL OUTDOOR LIGHT	Each	15		-
	<u>MISCELLANEOUS ITEMS</u>					
	<u>Ref. Spec. 8001, 8290</u>					
	Following rating SP&N/TP&N load break switches AC-3 duty in weather proof enclosure of the following rating:					
239	NS-60	16 Amp, SP&N	Each	1		-
240	NS-61	20 Amp, SP&N	Each	1		-

241	NS-62	30 Amp, SP&N	Each	1	-
242	NS-63	30 Amp, TP&N	Each	1	-
243	NS-64	60 Amp, TP&N	Each	1	-
244	NS-65	Supply and Fixing of electric False Ceiling Fan Decorative 18" 2x2, single phase and blade complete , including remote/ control and all accessories.	Each	25	-
		Following sizes of perforated G.I. sheet cable trays with cover including joints, bend, mounting brackets hanger complete with all accessories.			
245	NS-66	4" x 2"	Rft.	200	-
246	NS-67	8" x 3"	Rft.	250	-
247	NS-68	Supply and Installation of 6" dia PVC Class 'D' pipe	Rft	1,500	-
		AIR CONDITIONING			
		Supply & Installation of Reversible Air conditioning units Wall Mounted type complete with refrigerant piping with insulation ,condensate drain piping including Venture Cladding , fittings insulation, tape wrapping etc , insulation, refrigerant charge thermostat ,control between indoor and outdoor units power wiring , conduiting , dura duct / channel mounting brackets and accessories complete in all respect			
248	NS-69	1 Ton 4-Way Cassette Heat and cool	Job.	4	-
249	NS-70	1.5 Ton 4-Way Cassette Heat and cool	Job.	20	-
250	NS-71	2 Ton 4-Way Cassette Heat and cool	Job.	4	-
251	NS-72	4 Ton 4-Way Cassette Heat and cool	Job.	3	-
		WIRING ACCESSORIES			
		(Ref. Spec. Sec. 8001, 8220)			
252	NS-73	10 Amps, 250 Volts one way, ONE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	10	-
253	NS-74	10 Amps, 250 Volts one way, TWO gang light control switches including appropriate size powder coated metallic concealed back box.	No.	10	-
254	NS-75	10 Amps, 250 Volts one way, THREE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	30	-
255	NS-76	10 Amps, 250 Volts one way, FOUR gang light control switches including appropriate size powder coated metallic concealed back box.	No.	30	-

256	NS-77	10 Amps, 250 Volts one way, FIVE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	15		-
257	NS-78	10 Amps, 250 Volts one way, SIX gang light control switches including appropriate size powder coated metallic concealed back box.	No.	3		-
258	NS-79	Simplex Universal Switch outlet with switch 13 A, 230V. Mounting Height as per site including appropriate size powder coated metallic back box.	No.	160		-
259	NS-80	15 Amps, 250 Volts Universal switch socket unit including appropriate size powder coated metallic back box.	No.	10		-
260	NS-81	20 Amps, 250 Volts flex outlet with double pole switch & neon indication lamp including appropriate size steel back box & fuse protection	No.	30		-
		EARTHING				
		(Ref. Spec. Sec. 8001 8240)				
261	NS-82	305 mm long, 50 mm wide and 6mm thick copper busbar as ECP (Earth Connecting Point) complete with insulators, washers, nuts, bolts mounting installation and operational accessories as per site requirements.	Each	3		-
		IP CCTV SYSTEM				
		(Ref. Spec. Sec. 8001, 8335)				
262	NS-83	24 port Cat-6 UTP shielded Giga Speed modular loaded (RJ45) jack patch panels compatible with 19" rack installed in floor/wall mounted cabinet including built-in rear cable management with all mounting accessories.	Job.	2		-
		CABLE ANTENNA TV SYSTEM				
		Following type solid copper conductor, copper braid coaxial cable including appropriate size concealed or surface PVC conduit or PVC channel and all accessories with cutting/making holes in walls making surface good complete in all respect.				
263	NS-84	RG-11	Rft.	500		-
264	NS-85	10 way TV splitter appropriate size concealed back box.	No	1		-
		STRUCTURED CABLING NETWORK(TELEPHONE & NETWORKING)				
		Ref.Spec.8212,8230,8240,8290,8312				

265	NS-86	Wiring of Telecommunication RJ45 outlet point from relevant Floor distributor Cabinet to RJ45 outlet point with CAT-6A, U/UTP 10G supported cable including appropriate size concealed or surface PVC conduit or PVC channel , all accessories with cutting/making holes in walls making surface good complete in all respect	No.	50		-
266	NS-87	6" x 2"of G I sheets of 16 SWG sheet steel trunking with cover including joints bends mounting brackets joints bends mounting Brackets hanger complete with all accessories	Rft.	500		-
267	NS-88	12" x 2"same as above but ladder type	Rft.	25		-
268	NS-89	(2 X 25) 50 pair Cat-5 UTP cable for voice back bone including Appropriate size trunking / conduit complete in all respect.	Rft.	250		-
		Following type CAT-6A, UTP Giga Speed patch cord with required connector at both ends:				
269	NS-90	1 metre (3 ft.) long	No.	25		-
270	NS-91	3 metre (10 ft.) long	No.	25		-
271	NS-92	Simplex Face plate with RJ-45 I/O CAT-6 UTP telecommunication outlet including sheet steel back box shall make of 16 SWG shall be finished in powder coated paint. including all mounting accessories.	No.	50		-
272	NS-93	24 port Cat-6A U/UTP 10G Supported modular (RJ45) jack (Loaded with (RJ45) jack) patch panels compatible 19" rack installed in floor/wall mounted cabinet including built-in rear cable management with all mounting accessories.	No.	3		-
273	NS-94	19" Rack mounted Front Cable Management.	No.	3		-
274	NS-95	1m long patch cord with RJ45 connector at one end and required IDC connector at another end.	No.	5		-
275	NS-96	1m long single pair patch cord with required connector at both ends.	No.	5		-
		Following type disconnection module with all mounting accessories.				
276	NS-97	50 pair	No.	1		-
		Following sizes Rack with Plexiglass door including Hoops, side management, cable trays, fan tray and required number of power sockets including all mounting accessories.				
277	NS-98	24 U	No.	1		-

278	NS-99	12 core, 50/125 um, OM3 10G supported optical fibre multimode (MM) back bone cable in already installed conduit / trunking.	Rft.	500		-
279	NS-100	Supply installation testing and commissioning of layer-2 network switch with 24 Giga Ethernet ports with 02 Nos of SFPS OM3 Up Link (Support 10.0 G) Including Cost of 02 Nos 10G SFP OM3 up link (support 10.0 G) including cost of 02 Nos 10 G SFPS Modules Multi mode complete in all respect.	No	3		-
280	NS-101	Supply, Installation, Testing & Commissioning of WIFI Access Points Ceiling Mounted Support 802.11 a/g/n, Software Ctrlr-based, Long Range, Complete in all respect, as per drawing and specifications.	No	3		-
First Floor (Electrical Works) Total Cost of Non-Scheduled Items: PKR.						-
First Floor (Electrical Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
I.1	<u>SECOND FLOOR ELECTRICAL WORKS - SCHEDULED ITEMS</u>					
	<u>POINT WIRING IN RECESSED PVC CONDUIT</u>					
281	2-3-01	Wiring for light or fan point with (3/.029") pvc insulated wire in 20 mm ² (3/4") dia upvc conduit recessed in the wall , column , roof including 1 mm ² single core pvc insulated wire as ECC as Required.	Point	40		-
	<u>EXTENSION /ADDITIONAL POINT WIRING</u>					
282	2-7-03	Extension /additional wiring for light fan call bell or light plug point controlled with same switch with (3/.029") pvc insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall , column or roof including 1mm ² single core pvc insulated wire as ECC as required	P/Point	10		-
	<u>2 WIRE WITH ECC WIRE IN EXISTING CONDUITS/CABLE DUCT</u>					
283	2-27-02	Supply & drawing of 2 x2.5 mm ² single core pvc insulated wire including 1 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required	Rft	500		-
	<u>ELECTRIC FANS</u>					
	<u>DOUBLE ACTION PLASTIC BODYEXHAUST FANS</u>					
284	2-85-02	Providing & installing 25 Cm (10") sweep Double action Plastic body exhaust fan complete with blades, motor & regulator & pulling cord switch etc. fixed in existing hole including connection with 14 /.0076" flexible wire complete as required. Millat / Pak / Asia / Younas / Climax / Royal	Each	17		-
	<u>SUNLIGHT , PIERE LIGHT , FUTURE TECHNOLOGY</u>					

285	2-78-01(a)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (7-10) Watts	Each	35		-
Second Floor (Electrical Works) Total Cost of Scheduled Items: PKR.						-
I.2	<u>SECOND FLOOR ELECTRICAL WORKS NON-SCHEDULED ITEM</u>					
	WIRING ACCESSORIES					
	(Ref. Spec. Sec. 8001, 8220)					
286	NS-102	10 Amps, 250 Volts one way, THREE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	15		-
Second Floor (Electrical Works) Total Cost of Non-Scheduled Items: PKR.						-
Second Floor (Electrical Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
J.1	<u>THIRD FLOOR ELECTRICAL WORKS - SCHEDULED ITEMS</u>					
	POINT WIRING IN RECESSED PVC CONDUIT					
287	2-3-01	Wiring for light or fan point with (3/.029") pvc insulated wire in 20 mm ² (3/4") dia upvc conduit recessed in the wall , column , roof including 1 mm ² single core pvc insulated wire as ECC as Required.	Point	40		-
	EXTENSION /ADDITIONAL POINT WIRING					
288	2-7-03	Extension /additional wiring for light fan call bell or light plug point controlled with same switch with (3/.029") pvc insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall , column or roof including 1mm ² single core pvc insulated wire as ECC as required	P/Point	10		-
	2 WIRE WITH ECC WIRE IN EXISTING CONDUITS/CABLE DUCT					
289	2-27-02	Supply & drawing of 2 x2.5 mm ² single core pvc insulated wire including 1 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required	Rft	500		-
	ELECTRIC FANS					
	DOUBLE ACTION PLASTIC BODYEXHAUST FANS					
290	2-85-02	Providing & installing 25 Cm (10") sweep Double action Plastic body exhaust fan complete with blades, motor & regulator & pulling cord switch etc. fixed in existing hole including connection with 14 /.0076" flexible wire complete as required. Millat / Pak / Asia / Younas / Climax / Royal.	Each	17		-

SUNLIGHT , PIERE LIGHT , FUTURE TECHNOLOGY						
291	2-78-01(a)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (7-10) Watts	Each	35		-
Third Floor (Electrical Works) Total Cost of Scheduled Items: PKR.						-
J.2	<u>THIRD FLOOR ELECTRICAL WORKS NON-SCHEDULED ITEM</u>					
	WIRING ACCESSORIES					
	(Ref. Spec. Sec. 8001, 8220)					
292	NS-103	10 Amps, 250 Volts one way, THREE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	15		-
Third Floor (Electrical Works) Total Cost of Scheduled Items: PKR.						-
Third Floor (Electrical Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
K.1	<u>FOURTH FLOOR ELECTRICAL WORKS - SCHEDULED ITEMS</u>					
	POINT WIRING IN RECESSED PVC CONDUIT					
293	2-3-01	Wiring for light or fan point with (3/.029") pvc insulated wire in 20 mm ² (3/4") dia upvc conduit recessed in the wall , column , roof including 1 mm ² single core pvc insulated wire as ECC as Required.	Point	40		-
	EXTENSION /ADDITIONAL POINT WIRING					
294	2-7-03	Extension /additional wiring for light fan call bell or light plug point controlled with same switch with (3/.029") pvc insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall , column or roof including 1mm ² single core pvc insulated wire as ECC as required	P/Point	10		-
2 WIRE WITH ECC WIRE IN EXISTING CONDUITS/CABLE DUCT						
295	2-27-02	Supply & drawing of 2 x2.5 mm ² single core pvc insulated wire including 1 mm ² pvc insulated wire single core wire as ECC in all kind of existing or given conduits /cable duct as required	Rft	500		-
	<u>ELECTRIC FANS</u>					
	<u>DOUBLE ACTION PLASTIC BODYEXHAUST FANS</u>					

296	2-85-02	Providing & installing 25 Cm (10") sweep Double action Plastic body exhaust fan complete with blades, motor & regulator & pulling cord switch etc. fixed in existing hole including connection with 14 / .0076" flexible wire complete as required. Millat / Pak / Asia / Younas / Climax / Royal.	Each	17		-
		<u>SUNLIGHT , PIERE LIGHT , FUTURE TECHNOLOGY</u>				
297	2-78-01(a)	Supply installation testing & commissioning of recessed / surface mounted Ceiling light/down light including driver having war/ natural white / cool white colour 80-90 lm/ watt efficiency .9 or above power factor , 20000-25000 hours life cycle including connection complete in all respect as approved by the Engineer incharge. (7-10) Watts	Each	35		-
Fourth Floor (Electrical Works) Total Cost of Scheduled Items: PKR.						-
K.2		<u>FOURTH FLOOR ELECTRICAL WORKS NON-SCHEDULED ITEM</u>				
		WIRING ACCESSORIES				
		(Ref. Spec. Sec. 8001, 8220)				
298	NS-104	10 Amps, 250 Volts one way, THREE gang light control switches including appropriate size powder coated metallic concealed back box.	No.	15		-
Fourth Floor (Electrical Works) Total Cost of Non-Scheduled Items: PKR.						-
Fourth Floor (Electrical Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
Total Cost of Electrical Works: PKR.						-
L.1		<u>GROUND FLOOR PLUMBING WORKS - SCHEDULED ITEMS</u>				
		<u>SANITARY FIXTURES AND FITTINGS</u>				
299	301-5	Providing and fixing Pakistani best quality European style white glazed earthenware W.C pan complete with and including the cost of plastic seat with buffers, best quality low level plastic flushing cistern of standard size with internal fittings complete, P.V.C flushing pipe with fittings and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	10		-
300	301-28	Providing and fixing best quality squatting type earthenware W.C pan (Porta or equivalent) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern with internal fittings complete, P.V.C flushing pipe suitable for squatting type with extra bends and length with fittings, PVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	10		-

301	301-8	Providing and fixing 25inches x 18inches (635mm x 457mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall 1/2 inch (15mm) dia. Chrome plated mixer 1-1/4 inches(32 mm) rubber plug and chrome plated brass chain,1-1/4 inches (32mm) dia. brass waste of approved pattern, 1-1/4 inches (32mm) dia Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	20		-
302	301-17	Providing 1/2 inch (15 mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	Each	62		-
303	301-25 + (4205)	Providing and fixing approved quality earthen ware glazed vanity basin standard size (White/light colour) and including the cost of Chromium plated mixer tap 1/2 inch dia, 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete.	Each	1		-
304	301-20	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete..	Each	2		-
305	301-22	Providing and fixing approved quality stainless steel sink 48" x 20" Pak made (Atlas) or equivalent complete with brass oxidized bolt kit/angle iron brackets built into walls 1/2" dia CP sink mixer 1-1/4" rubber plug and CP brass chain 1-1/4" CP brass waste 1-1/4" dia malleable iron or CP brass bottle trap with malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4	Each	1		-
306	302-2	Providing and fixing 24"x3/4"(610 mm x 20 mm) dia approved quality of chrome plated brass towel rail complete with brackets fixed with 1"(25 mm) long C.P brass screws and rawal plug.	Each	14		-
307	302-3	Providing and fixing approved quality C.P. brass toilet paper holder.	Each	15		-
308	302-5	Providing and fixing 24inches x 18 inches (610mm x457mm) looking mirror of imported glass 5mm thick fixing with CP clamps and screws.	Each	12		-
309	302-7	Providing and fixing glass shelf 25 inches x 5 inches (610mm x 127mm) brackets and guard rail complete.	Each	14		-
310	302-13	Providing and fixing chromium plated Muslim bib-cock with muslim shower of approved quality.	Each	16		-
311	307-2	Providing and fixing 1/2 inches dia. (15 mm) CP Bib cocks.	Each.	1		-
WATER SUPPLY PIPES AND FITTINGS						

312		Providing G.I. pipes, specials and clamps etc., including fixing, cutting and fitting, complete with and including the cost of breaking through walls and roof, making good etc., painting 2 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 (61 m) and cartages within 10 miles. (16.09km). (ILLM). of following pipe sizes:				
	305-2	3/4 inch (20mm) dia pipe	Rft	70		-
	305-3	1 inch (25mm) dia pipe	Rft	20		-
	305-4	1-1/4 inch (32mm) dia pipe	Rft	20		-
	305-5	1-1/2 inch (40mm) dia pipe	Rft	450		-
	305-6	2 inch (50mm) dia pipe	Rft	750		-
	305-7	3 inch (80mm) dia pipe	Rft	10		-
313		Providing G.I. pipes and specials, etc.; including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2-1/2 feet (762 mm) deep, refilling, watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes and specials after cleaning and hessian cloth soaked in asphalt composition wrapped tightly round the pipes and testing to a pressure head of 200 feet (61 m) and cartage within 10 miles. (16.09km). (ILLM).				
	306-6	2 inches (50 mm) dia pipe (ILLM).	Rft	200		-
	306-7	3 inches (80 mm) dia pipe (ILLM).	Rft	10		-
314		Providing and fixing PPRC pipe PN-20 with specials and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc: after cleaning the pipe and cartage within 10miles.				
	306-30	25mm dia	Rft	300		0.00
	306-31	32mm dia	Rft	250		0.00
	306-32	40mm dia	Rft	150		0.00
	306-33	50mm dia	Rft	80		0.00
	306-34	63mm dia	Rft	10		0.00
315		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern) of following diameters:				
	307-8	3/4 inch (20mm) dia	Each	25		-
	307-9	1 inch (25mm) dia	Each	8		-
	307-10	1-1/4 inch (32mm) dia	Each	2		-
	307-11	1-1/2 inch (40mm) dia	Each	1		-

	307-12	2 inch (50mm) dia	Each	1		-
316	307-22	Providing and fixing 2 inches (50mm) dia ball valve (with PVC Ball) made to B.S.S. 1212	Each	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
317	301-15	Providing and fixing 6 inches x 2 inches or 6 inches x 3 inches (150 mm x 50 mm or 150 mm x 80 mm) C.I. floor trap of approved self cleansing design with C.I screwed down grating with or without a vent arm complete with and including making requisites number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	4		-
318	301-30	Providing and fixing uPVC Multi floor trap of sizes with gratings including cutting and making requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C.	Each	23		-
319	314-3 + 314-4	Providing and fixing 6" x 6" (150 mm x 150 mm) with 4 inches (100 mm) outlet cement concrete C.I. gully trap wt.: 42 lbs. (19 kg.) complete with 4 inches thick (100 mm) 1:2:4 cement concrete for bed and kerb, 1/2 inch (13 mm) thick cement plaster (1:3) to the kerb, RCC cover (12" x 12") (305mm x 305mm) thick with handle etc., complete.	Each	22		-
		<u>EARTH WORK & PIPE TRENCHES</u>				
320	103-1	Excavation for foundation trenches and drains in all kinds of soil (except gravelly and murum soil, wet silt, clay or mud conglomeration of gravel and boulders, soft, sandy or disintegrated sandy and hard rock) and back filling the excavated material in foundation, plinth or under floor including breaking clods, watering, consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction, dressing and disposal of surplus excavated stuff as directed, lead upto one chain (30.5 R.m) and lift upto 5 feet (1.52 m).	100 Cft	3000		-
321	104-9	Supplying stacking and filling sand of approved quality from outside sources in foundation, trenches, plinth or under floor, etc. including dressing, watering and consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction and lift upto 5 feet (1.52 m).	100 Cft	2000		-

322	106-5 + 106-32 + 106-52	Providing and laying in situ 1:2:4 (1 cement 2 sand and 4 coarse aggregates) cement concrete using 50% graded bolders 3/4" (19mm) and down gauge and 50% graded screened bajri 3/4" (19mm) and down gauge with lawancepur sand in foundation, basement and plinth including formwork, compacting, curing and removal of formwork etc. complete foundation and basements upto 5 feet depth (1.52m) and plinth upto 4 feet(1.2m) height from ground level. (For concrete encasement and thrust blocks)	100Cft	100	-
Ground Floor (Plumbing Works) Total Cost of Scheduled Items: PKR.					-
L.2	<u>GROUND FLOOR PLUMBING WORKS - NON-SCHEDULED ITEMS</u>				
	<u>SANITARY FIXTURES AND FITTINGS</u>				
	(Ref. Specs 5100)				
323	NS-01	Stainless Steel sink, single bowl, of approved size, shape and make, CP mixer, C.P. brass waste, including tee cocks (if required), brackets; making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material etc complete in all respect.	Each	9	-
324	NS-02	05mm thick Glass mirror Belgium make or approved equivalent including hard board behind it, approved beeding around it and all other fittings for complete installation	Sft	15	-
325	NS-03	CP Soap Dish of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	21	-
326	NS-04	CP Soap Dispenser of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	18	-
327	NS-05	Grab bar/Hand rail set (02 pc's) for handicap toilet commode with fixing plugs and screws etc. fixed to concrete, brick, stone or wood work, complete in all respects.	Each	5	0
328	NS-06	Small hook complete of any size and shape, of approved make, with plugs and screws, fixed to concrete, brick stone or wood work, complete in all respects.	Each	18	0
329	NS-07	Electric water heater of 10 gallons (40-50 liters) capacity, including 02 Nos. Tee Stop cock, automatic temperature/pressure relief valve on outlet and all other accessories for complete installation.	Each.	13	-
330	NS-08	Electric water heater of 50 Gallons capacity, including automatic temperature/pressure relief valve on outlet and all other accessories for complete installation.	Each.	1	-
331	NS-09	Automatic Electric Hand Drier of approved make & model and all required accessories complete.	Each.	9	-

332	NS-10	Electric water cooler of 45 litres/hour capacity, including all accessories for complete installation.	Each	1	-
333	NS-11	Water filters of following type, including all accessories for complete installation.			
	(a)	Triple type filter	Each.	1	-
		<u>WATER SUPPLY PIPES AND FITTINGS</u>			
		(Ref. Specs 5100, 5216, 5220)			
334	NS-12	G.I pipes conforming to ASTM A-53 Sch. 40, including all fittings, cutting, welding & flange provisions, fixing, supports & hangers system as per requirement; cost of breaking and making holes through walls and slabs, making walls & slabs good thereafter, painting with two coats of enamel paint after cleaning the pipe, etc of approved make, complete in all respect. (Filling pipe)			
	(a)	Dia 3 inch	Rft	130	-
335	NS-13	Provide and install C.I. gate valves conforming to BS-5163 (PN-16) including Adapters, flanges, nuts & bolts, transition pipe pieces with flanges, rubber seal, making required type of joints on both ends complete in all respect as shown on drawings or as directed by the Engineer of following diameters. (Filling pipe)			
	a)	3" dia	Each	1	0
336	NS-14	Air relief valves, of approved manufacturers, including jointing arrangement of valves; nuts, bolts etc. complete in all respects.			
	(a)	3/4 inches	Each	24	-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>			
		(Ref. Specs 5100)			
337	NS-15	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" of the following diameters, including imported rubber ring/solvent cement fittings, hangers & supports, jointing, cutting, breaking concrete/masonry and then making it good, core cutting & filling with non shrink grout of approved manufacturer wherever required and applying painting, cleaning and testing etc. complete in all respects.			
	(a)	2 inches	Rft	140	-
	(b)	3 inches	Rft	400	-
	(c)	4 inches	Rft	1380	-
	(d)	6 inches	Rft	500	-

338	NS-16	3"dia uPVC Floor Trap with Stainless Steel-304 Top Tile strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	4		-
339	NS-17	uPVC Floor Cleanout of the following diameter, including Stainless Steel-304 top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.				
	(a)	3 inches	Each	1		-
	(b)	4 inches	Each	6		-
340	NS-18	uPVC Cowl on vent pipes of the following diameter.				
	(a)	3 inches	Each	13		-
	(b)	4 inches	Each	7		-
341	NS-19	Spun Cast Iron pipe conforming to BS 416, including all fittings, cutting, jointing of pipes, supports and hangers, cost of breaking and making holes through walls and slab and making it good thereafter, giving anticorrosive treatment, applying protective paint of approved make; complete as per drawing and as directed by the Engineer.				
	(a)	3 inches	Rft	10		-
	(b)	4 inches	Rft	130		-
342	NS-20	Cast Iron Vent Cowl on vent pipes of the following diameter.				
	(a)	3 inches	Each	2		-
		FIRE FIGHTING				
		(Ref. Specs 5150)				
343	NS-21	Fire Extinguisher of following types.				
	(a)	Dry Chemical Powder Fire Extinguisher 6Kg Capacity.	Each	3		0
	(b)	Foam Type fire extinguisher capacity 9 litres.	Each	3		0
	(c)	Wet Chemical fire extinguisher capacity 6 litres.	Each	1		0
Ground Floor (Plumbing Works) Cost of Non-Scheduled Items: PKR.						0
Ground Floor (Plumbing Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						0
M.1	<u>FIRST FLOOR PLUMBING WORKS - SCHEDULED ITEMS</u>					
	<u>SANITARY FIXTURES AND FITTINGS</u>					

344	301-5	Providing and fixing Pakistani best quality European style white glazed earthenware W.C pan complete with and including the cost of plastic seat with buffers, best quality low level plastic flushing cistern of standard size with internal fittings complete, P.V.C flushing pipe with fittings and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	9		-
345	301-28	Providing and fixing best quality squatting type earthenware W.C pan (Porta or equivalent) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern with internal fittings complete, P.V.C flushing pipe suitable for squatting type with extra bends and length with fittings, PVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	8		-
346	301-8	Providing and fixing 25inches x 18inches (635mm x 457mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall 1/2 inch (15mm) dia. Chrome plated mixer 1-1/4 inches(32 mm) rubber plug and chrome plated brass chain,1-1/4 inches (32mm) dia. brass waste of approved pattern, 1-1/4 inches (32mm) dia Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	23		-
347	301-17	Providing 1/2 inch (15 mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	Each	67		-
347	301-25 + (4205)	Providing and fixing approved quality earthen ware glazed vanity basin standard size (White/light colour) and including the cost of Chromium plated mixer tap 1/2 inch dia, 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete.	Each	2		-
348	301-20	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete..	Each	3		-
349	302-2	Providing and fixing 24"x3/4"(610 mm x 20 mm) dia approved quality of chrome plated brass towel rail complete with brackets fixed with 1"(25 mm) long C.P brass screws and rawal plug.	Each	14		-
350	302-3	Providing and fixing approved quality C.P. brass toilet paper holder.	Each	18		-

351	302-5	Providing and fixing 24inches x 18 inches (610mm x457mm) looking mirror of imported glass 5mm thick fixing with CP clamps and screws.	Each	14		-
352	302-7	Providing and fixing glass shelf 25 inches x 5 inches (610mm x 127mm) brackets and guard rail complete.	Each	15		-
353	302-13	Providing and fixing chromium plated Muslim bibcock with muslim shower of approved quality.	Each	19		-
		<u>WATER SUPPLY PIPES AND FITTINGS</u>				
354		Providing and fixing PPRC pipe PN-20 with specials and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc: after cleaning the pipe and cartage within 10miles.				
	306-30	25mm dia	Rft	260		0.00
	306-31	32mm dia	Rft	300		0.00
	306-32	40mm dia	Rft	150		0.00
	306-33	50mm dia	Rft	40		0.00
	306-34	63mm dia	Rft	10		0.00
355		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern) of following diameters:				
	307-8	3/4 inch (20mm) dia	Each	2		-
	307-9	1 inch (25mm) dia	Each	6		-
	307-10	1-1/4 inch (32mm) dia	Each	4		-
	307-11	1-1/2 inch (40mm) dia	Each	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
356	301-15	Providing and fixing 6 inches x 2 inches or 6 inches x 3 inches (150 mm x 50 mm or 150 mm x 80 mm) C.I. floor trap of approved self cleansing design with C.I screwed down grating with or without a vent arm complete with and including making requisites number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	2		-
357	301-30	Providing and fixing uPVC Multi floor trap of sizes with gratings including cutting and making requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C.	Each	26		-
First Floor (Plumbing Works) Total Cost of Scheduled Items: PKR.						-
M.2	<u>FIRST FLOOR PLUMBING WORKS - NON-SCHEDULED ITEMS</u>					

		<u>SANITARY FIXTURES AND FITTINGS</u>				
		(Ref. Specs 5100)				
358	NS-22	Stainless Steel sink, single bowl, of approved size, shape and make, CP mixer, C.P. brass waste, including tee cocks (if required), brackets; making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material etc complete in all respect.	Each	7		-
359	NS-23	05mm thick Glass mirror Belgium make or approved equivalent including hard board behind it, approved beeding around it and all other fittings for complete installation	Sft	25		-
360	NS-24	CP Soap Dish of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	24		-
361	NS-25	CP Soap Dispenser of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	18		-
362	NS-26	Grab bar/Hand rail set (02 pc's) for handicap toilet commode with fixing plugs and screws etc. fixed to concrete, brick, stone or wood work, complete in all respects.	Each	5		0
363	NS-27	Small hook complete of any size and shape, of approved make, with plugs and screws, fixed to concrete, brick stone or wood work, complete in all respects.	Each	19		0
364	NS-28	Electric water heater of 10 gallons (40-50 liters) capacity, including 02 Nos. Tee Stop cock, automatic temperature/pressure relief valve on outlet and all other accessories for complete installation.	Each.	13		-
365	NS-29	Automatic Electric Hand Drier of approved make & model and all required accessories complete.	Each.	11		-
366	NS-30	Electric water cooler of 45 litres/hour capacity, including all accessories for complete installation.	Each	1		-
367	NS-31	Water filters of following type, including all accessories for complete installation.				
	(a)	Triple type filter	Each.	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
		(Ref. Specs 5100)				

368	NS-32	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" of the following diameters, including imported rubber ring/solvent cement fittings, hangers & supports, jointing, cutting, breaking concrete/masonry and then making it good, core cutting & filling with non shrink grout of approved manufacturer wherever required and applying painting, cleaning and testing etc. complete in all respects.				
	(a)	2 inches	Rft	150		-
	(b)	3 inches	Rft	220		-
	(c)	4 inches	Rft	200		-
369	NS-33	3"dia uPVC Floor Trap with Stainless Steel-304 Top Tile strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	8		-
370	NS-34	uPVC Floor Cleanout of the following diameter, including Stainless Steel-304 top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.				
	(a)	3 inches	Each	2		-
	(b)	4 inches	Each	9		-
371	NS-35	Spun Cast Iron pipe conforming to BS 416, including all fittings, cutting, jointing of pipes, supports and hangers, cost of breaking and making holes through walls and slab and making it good thereafter, giving anticorrosive treatment, applying protective paint of approved make; complete as per drawing and as directed by the Engineer.				
	(a)	3 inches	Rft	10		-
	(b)	4 inches	Rft	10		-
		<u>FIRE FIGHTING</u>				
		(Ref. Specs 5150)				
372	NS-36	Fire Extinguisher of following types.				
	(a)	Dry Chemical Powder Fire Extinguisher 6Kg Capacity.	Each	3		0
	(b)	Foam Type fire extinguisher capacity 9 litres.	Each	3		0
First Floor (Plumbing Works) Cost of Non-Scheduled Items: PKR.						-
First Floor (Plumbing Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
N.1		<u>SECOND FLOOR PLUMBING WORKS - SCHEDULED ITEMS</u>				
		<u>SANITARY FIXTURES AND FITTINGS</u>				

373	301-5	Providing and fixing Pakistani best quality European style white glazed earthenware W.C pan complete with and including the cost of plastic seat with buffers, best quality low level plastic flushing cistern of standard size with internal fittings complete, P.V.C flushing pipe with fittings and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	9	-
374	301-28	Providing and fixing best quality squatting type earthenware W.C pan (Porta or equivalent) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern with internal fittings complete, P.V.C flushing pipe suitable for squatting type with extra bends and length with fittings, PVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	8	-
375	301-8	Providing and fixing 25inches x 18inches (635mm x 457mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall 1/2 inch (15mm) dia. Chrome plated mixer 1-1/4 inches(32 mm) rubber plug and chrome plated brass chain,1-1/4 inches (32mm) dia. brass waste of approved pattern, 1-1/4 inches (32mm) dia Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	23	-
376	301-17	Providing 1/2 inch (15 mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	Each	67	-
377	301-25 + (4205)	Providing and fixing approved quality earthenware glazed vanity basin standard size (White/light colour) and including the cost of Chromium plated mixer tap 1/2 inch dia, 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete.	Each	2	-
378	301-20	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete..	Each	3	-
379	302-2	Providing and fixing 24"x3/4"(610 mm x 20 mm) dia approved quality of chrome plated brass towel rail complete with brackets fixed with 1"(25 mm) long C.P brass screws and rawal plug.	Each	14	-
380	302-3	Providing and fixing approved quality C.P. brass toilet paper holder.	Each	18	-

381	302-5	Providing and fixing 24 inches x 18 inches (610mm x 457mm) looking mirror of imported glass 5mm thick fixing with CP clamps and screws.	Each	14		-
382	302-7	Providing and fixing glass shelf 25 inches x 5 inches (610mm x 127mm) brackets and guard rail complete.	Each	15		-
383	302-13	Providing and fixing chromium plated Muslim bibcock with muslim shower of approved quality.	Each	19		-
		<u>WATER SUPPLY PIPES AND FITTINGS</u>				
384		Providing and fixing PPRC pipe PN-20 with specials and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc: after cleaning the pipe and cartage within 10miles.				
	306-30	25mm dia	Rft	260		0.00
	306-31	32mm dia	Rft	300		0.00
	306-32	40mm dia	Rft	150		0.00
	306-33	50mm dia	Rft	40		0.00
	306-34	63mm dia	Rft	10		0.00
385		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern) of following diameters:				
	307-8	3/4 inch (20mm) dia	Each	2		-
	307-9	1 inch (25mm) dia	Each	6		-
	307-10	1-1/4 inch (32mm) dia	Each	4		-
	307-11	1-1/2 inch (40mm) dia	Each	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
386	301-15	Providing and fixing 6 inches x 2 inches or 6 inches x 3 inches (150 mm x 50 mm or 150 mm x 80 mm) C.I. floor trap of approved self cleansing design with C.I screwed down grating with or without a vent arm complete with and including making requisites number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	2		-
387	301-30	Providing and fixing uPVC Multi floor trap of sizes with gratings including cutting and making requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C.	Each	26		-
Second Floor (Plumbing Works) Total Cost of Scheduled Items: PKR.						-
N.2	<u>SECOND FLOOR PLUMBING WORKS - NON-SCHEDULED ITEMS</u>					

<u>SANITARY FIXTURES AND FITTINGS</u>						
(Ref. Specs 5100)						
388	NS-37	Stainless Steel sink, single bowl, of approved size, shape and make, CP mixer, C.P. brass waste, including tee cocks (if required), brackets; making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material etc complete in all respect.	Each	7		-
389	NS-38	05mm thick Glass mirror Belgium make or approved equivalent including hard board behind it, approved bedding around it and all other fittings for complete installation	Sft	25		-
390	NS-39	CP Soap Dish of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	24		-
391	NS-40	CP Soap Dispenser of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	18		-
392	NS-41	Grab bar/Hand rail set (02 pc's) for handicap toilet commode with fixing plugs and screws etc. fixed to concrete, brick, stone or wood work, complete in all respects.	Each	5		0
393	NS-42	Small hook complete of any size and shape, of approved make, with plugs and screws, fixed to concrete, brick stone or wood work, complete in all respects.	Each	19		0
394	NS-43	Electric water heater of 10 gallons (40-50 liters) capacity, including 02 Nos. Tee Stop cock, automatic temperature/pressure relief valve on outlet and all other accessories for complete installation.	Each.	13		-
395	NS-44	Automatic Electric Hand Drier of approved make & model and all required accessories complete.	Each.	11		-
396	NS-45	Electric water cooler of 45 litres/hour capacity, including all accessories for complete installation.	Each	1		-
397	NS-46	Water filters of following type, including all accessories for complete installation.				
	(a)	Triple type filter	Each.	1		-
<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>						
(Ref. Specs 5100)						
398	NS-47	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" of the following diameters, including imported rubber ring/solvent cement fittings, hangers & supports, jointing, cutting, breaking concrete/masonry and then making it good, core cutting & filling with non shrink grout of approved manufacturer wherever required and applying painting, cleaning and testing etc. complete in all respects.				

	(a)	2 inches	Rft	150		-
	(b)	3 inches	Rft	220		-
	(c)	4 inches	Rft	200		-
399	NS-48	3"dia uPVC Floor Trap with Stainless Steel-304 Top Tile strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	8		-
400	NS-49	uPVC Floor Cleanout of the following diameter, including Stainless Steel-304 top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.				
	(a)	3 inches	Each	2		-
	(b)	4 inches	Each	9		-
401	NS-50	Spun Cast Iron pipe conforming to BS 416, including all fittings, cutting, jointing of pipes, supports and hangers, cost of breaking and making holes through walls and slab and making it good thereafter, giving anticorrosive treatment, applying protective paint of approved make; complete as per drawing and as directed by the Engineer.				
	(a)	3 inches	Rft	10		-
	(b)	4 inches	Rft	10		-
		<u>FIRE FIGHTING</u>				
		(Ref. Specs 5150)				
402	NS-51	Fire Extinguisher of following types.				
	(a)	Dry Chemical Powder Fire Extinguisher 6Kg Capacity.	Each	3		0
	(b)	Foam Type fire extinguisher capacity 9 litres.	Each	3		0
Second Floor (Plumbing Works) Cost of Non-Scheduled Items: PKR.						-
Second Floor (Plumbing Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
O.1	<u>THIRD FLOOR PLUMBING WORKS - SCHEDULED ITEMS</u>					
	<u>SANITARY FIXTURES AND FITTINGS</u>					
403	301-5	Providing and fixing Pakistani best quality European style white glazed earthenware W.C pan complete with and including the cost of plastic seat with buffers, best quality low level plastic flushing cistern of standard size with internal fittings complete, P.V.C flushing pipe with fittings and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	9		-

404	301-28	Providing and fixing best quality squatting type earthenware W.C pan (Porta or equivalent) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern with internal fittings complete, P.V.C flushing pipe suitable for squatting type with extra bends and length with fittings, PVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	8		-
405	301-8	Providing and fixing 25inches x 18inches (635mm x 457mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall 1/2 inch (15mm) dia. Chrome plated mixer 1-1/4 inches(32 mm) rubber plug and chrome plated brass chain,1-1/4 inches (32mm) dia. brass waste of approved pattern, 1-1/4 inches (32mm) dia Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	23		-
406	301-17	Providing 1/2 inch (15 mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	Each	67		-
407	301-25 + (4205)	Providing and fixing approved quality earthen ware glazed vanity basin standard size (White/light colour) and including the cost of Chromium plated mixer tap 1/2 inch dia, 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete.	Each	2		-
408	301-20	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete..	Each	3		-
409	302-2	Providing and fixing 24"x3/4"(610 mm x 20 mm) dia approved quality of chrome plated brass towel rail complete with brackets fixed with 1"(25 mm) long C.P brass screws and rawal plug.	Each	14		-
410	302-3	Providing and fixing approved quality C.P. brass toilet paper holder.	Each	18		-
411	302-5	Providing and fixing 24inches x 18 inches (610mm x457mm) looking mirror of imported glass 5mm thick fixing with CP clamps and screws.	Each	14		-
412	302-7	Providing and fixing glass shelf 25 inches x 5 inches (610mm x 127mm) brackets and guard rail complete.	Each	15		-
413	302-13	Providing and fixing chromium plated Muslim bib-cock with muslim shower of approved quality.	Each	19		-
<u>WATER SUPPLY PIPES AND FITTINGS</u>						

414		Providing and fixing PPRC pipe PN-20 with specials and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc: after cleaning the pipe and cartage within 10miles.				
	306-30	25mm dia	Rft	260		0.00
	306-31	32mm dia	Rft	300		0.00
	306-32	40mm dia	Rft	150		0.00
	306-33	50mm dia	Rft	40		0.00
	306-34	63mm dia	Rft	10		0.00
415		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern) of following diameters:				
	307-8	3/4 inch (20mm) dia	Each	2		-
	307-9	1 inch (25mm) dia	Each	6		-
	307-10	1-1/4 inch (32mm) dia	Each	4		-
	307-11	1-1/2 inch (40mm) dia	Each	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
416	301-15	Providing and fixing 6 inches x 2 inches or 6 inches x 3 inches (150 mm x 50 mm or 150 mm x 80 mm) C.I. floor trap of approved self cleansing design with C.I screwed down grating with or without a vent arm complete with and including making requisites number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	2		-
417	301-30	Providing and fixing uPVC Multi floor trap of sizes with gratings including cutting and making requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C.	Each	26		-
Third Floor (Plumbing Works) Total Cost of Scheduled Items: PKR.						-
O.2		<u>THIRD FLOOR PLUMBING WORKS - NON-SCHEDULED ITEMS</u>				
		<u>SANITARY FIXTURES AND FITTINGS</u>				
		(Ref. Specs 5100)				
418	NS-52	Stainless Steel sink, single bowl, of approved size, shape and make, CP mixer, C.P. brass waste, including tee cocks (if required), brackets; making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material etc complete in all respect.	Each	7		-
419	NS-53	05mm thick Glass mirror Belgium make or approved equivalent including hard board behind it, approved bedding around it and all other fittings for complete installation	Sft	25		-

420	NS-54	CP Soap Dish of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	24		-
421	NS-55	CP Soap Dispenser of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	18		-
422	NS-56	Grab bar/Hand rail set (02 pc's) for handicap toilet commode with fixing plugs and screws etc. fixed to concrete, brick, stone or wood work, complete in all respects.	Each	5		0
423	NS-57	Small hook complete of any size and shape, of approved make, with plugs and screws, fixed to concrete, brick stone or wood work, complete in all respects.	Each	19		0
424	NS-58	Electric water heater of 10 gallons (40-50 liters) capacity, including 02 Nos. Tee Stop cock, automatic temperature/pressure relief valve on outlet and all other accessories for complete installation.	Each.	13		-
425	NS-59	Automatic Electric Hand Drier of approved make & model and all required accessories complete.	Each.	11		-
426	NS-60	Electric water cooler of 45 litres/hour capacity, including all accessories for complete installation.	Each	1		-
427	NS-61	Water filters of following type, including all accessories for complete installation.				
	(a)	Triple type filter	Each.	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
		(Ref. Specs 5100)				
428	NS-62	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" of the following diameters, including imported rubber ring/solvent cement fittings, hangers & supports, jointing, cutting, breaking concrete/masonry and then making it good, core cutting & filling with non shrink grout of approved manufacturer wherever required and applying painting, cleaning and testing etc. complete in all respects.				
	(a)	2 inches	Rft	150		-
	(b)	3 inches	Rft	220		-
	(c)	4 inches	Rft	200		-
429	NS-63	3"dia uPVC Floor Trap with Stainless Steel-304 Top Tile strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	8		-

430	NS-64	uPVC Floor Cleanout of the following diameter, including Stainless Steel-304 top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.				
	(a)	3 inches	Each	2		-
	(b)	4 inches	Each	9		-
431	NS-65	Spun Cast Iron pipe conforming to BS 416, including all fittings, cutting, jointing of pipes, supports and hangers, cost of breaking and making holes through walls and slab and making it good thereafter, giving anticorrosive treatment, applying protective paint of approved make; complete as per drawing and as directed by the Engineer.				
	(a)	3 inches	Rft	10		-
	(b)	4 inches	Rft	10		-
		<u>FIRE FIGHTING</u>				
		(Ref. Specs 5150)				
432	NS-66	Fire Extinguisher of following types.				
	(a)	Dry Chemical Powder Fire Extinguisher 6Kg Capacity.	Each	3		0
	(b)	Foam Type fire extinguisher capacity 9 litres.	Each	3		0
Third Floor (Plumbing Works) Cost of Non-Scheduled Items: PKR.						-
Third Floor (Plumbing Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
P.1		<u>FOURTH FLOOR PLUMBING WORKS - SCHEDULED ITEMS</u>				
		<u>SANITARY FIXTURES AND FITTINGS</u>				
433	301-5	Providing and fixing Pakistani best quality European style white glazed earthenware W.C pan complete with and including the cost of plastic seat with buffers, best quality low level plastic flushing cistern of standard size with internal fittings complete, P.V.C flushing pipe with fittings and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	9		-
434	301-28	Providing and fixing best quality squatting type earthenware W.C pan (Porta or equivalent) complete with and including the cost of 13.6 liter best quality low level plastic flushing cistern with internal fittings complete, P.V.C flushing pipe suitable for squatting type with extra bends and length with fittings, PVC trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	8		-

435	301-8	Providing and fixing 25inches x 18inches (635mm x 457mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall 1/2 inch (15mm) dia. Chrome plated mixer 1-1/4 inches(32 mm) rubber plug and chrome plated brass chain,1-1/4 inches (32mm) dia. brass waste of approved pattern, 1-1/4 inches (32mm) dia Malleable iron or C.P. brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	Each	23	-	
436	301-17	Providing 1/2 inch (15 mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	Each	67	-	
437	301-25 + (4205)	Providing and fixing approved quality earthen ware glazed vanity basin standard size (White/light colour) and including the cost of Chromium plated mixer tap 1/2 inch dia, 1-1/4" dia brass waste 1-1/4" rubber plug and chrome plated brass chain PVC waste pipe 1-1/4" dia of approved pattern etc. complete.	Each	2	-	
438	301-20	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete..	Each	3	-	
439	302-2	Providing and fixing 24"x3/4"(610 mm x 20 mm) dia approved quality of chrome plated brass towel rail complete with brackets fixed with 1"(25 mm) long C.P brass screws and rawal plug.	Each	14	-	
440	302-3	Providing and fixing approved quality C.P. brass toilet paper holder.	Each	18	-	
441	302-5	Providing and fixing 24inches x 18 inches (610mm x457mm) looking mirror of imported glass 5mm thick fixing with CP clamps and screws.	Each	14	-	
442	302-7	Providing and fixing glass shelf 25 inches x 5 inches (610mm x 127mm) brackets and guard rail complete.	Each	15	-	
443	302-13	Providing and fixing chromium plated Muslim bib-cock with muslim shower of approved quality.	Each	19	-	
<u>WATER SUPPLY PIPES AND FITTINGS</u>						
444		Providing and fixing PPRC pipe PN-20 with specials and clamps etc, including cutting and fitting complete with and including the cost of breaking through walls and roof and making good etc: after cleaning the pipe and cartage within 10miles.				
	306-30	25mm dia	Rft	260	0.00	
	306-31	32mm dia	Rft	300	0.00	
	306-32	40mm dia	Rft	150	0.00	

	306-33	50mm dia	Rft	40		0.00
	306-34	63mm dia	Rft	10		0.00
445		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern) of following diameters:				
	307-8	3/4 inch (20mm) dia	Each	2		-
	307-9	1 inch (25mm) dia	Each	6		-
	307-10	1-1/4 inch (32mm) dia	Each	4		-
	307-11	1-1/2 inch (40mm) dia	Each	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u>				
446	301-15	Providing and fixing 6 inches x 2 inches or 6 inches x 3 inches (150 mm x 50 mm or 150 mm x 80 mm) C.I. floor trap of approved self cleansing design with C.I. screwed down grating with or without a vent arm complete with and including making requisites number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	Each	2		-
447	301-30	Providing and fixing uPVC Multi floor trap of sizes with gratings including cutting and making requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C.	Each	26		-
Fourth Floor (Plumbing Works) Total Cost of Scheduled Items: PKR.						-
P.2	<u>FOURTH FLOOR PLUMBING WORKS - NON-SCHEDULED ITEMS</u>					
	<u>SANITARY FIXTURES AND FITTINGS</u>					
	(Ref. Specs 5100)					
448	NS-67	Stainless Steel sink, single bowl, of approved size, shape and make, CP mixer, C.P. brass waste, including tee cocks (if required), brackets; making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material etc complete in all respect.	Each	7		-
449	NS-68	05mm thick Glass mirror Belgium make or approved equivalent including hard board behind it, approved beeding around it and all other fittings for complete installation	Sft	25		-
450	NS-69	CP Soap Dish of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	24		-
451	NS-70	CP Soap Dispenser of any shape, pattern and size, of approved make, complete with plugs, screws etc., fixed to concrete, brick, stone or wood work, complete in all respects .	Each	18		-

452	NS-71	Grab bar/Hand rail set (02 pc's) for handicap toilet commode with fixing plugs and screws etc. fixed to concrete, brick, stone or wood work, complete in all respects.	Each	5		0
453	NS-72	Small hook complete of any size and shape, of approved make, with plugs and screws, fixed to concrete, brick stone or wood work, complete in all respects.	Each	19		0
454	NS-73	Electric water heater of 10 gallons (40-50 liters) capacity, including 02 Nos. Tee Stop cock, automatic temperature/pressure relief valve on outlet and all other accessories for complete installation.	Each.	13		-
455	NS-74	Automatic Electric Hand Drier of approved make & model and all required accessories complete.	Each.	11		-
456	NS-75	Electric water cooler of 45 litres/hour capacity, including all accessories for complete installation.	Each	1		-
457	NS-76	Water filters of following type, including all accessories for complete installation.				
	(a)	Triple type filter	Each.	1		-
		<u>SOIL, WASTE AND VENT PIPES & FITTINGS</u> (Ref. Specs 5100)				
458	NS-77	uPVC Soil, Waste and vent pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" of the following diameters, including imported rubber ring/solvent cement fittings, hangers & supports, jointing, cutting, breaking concrete/masonry and then making it good, core cutting & filling with non shrink grout of approved manufacturer wherever required and applying painting, cleaning and testing etc. complete in all respects.				
	(a)	2 inches	Rft	150		-
	(b)	3 inches	Rft	220		-
	(c)	4 inches	Rft	200		-
459	NS-78	3"dia uPVC Floor Trap with Stainless Steel-304 Top Tile strainer; supports; making required number of connections; breaking concrete or masonry work & then making it good; etc.	Each	8		-
460	NS-79	uPVC Floor Cleanout of the following diameter, including Stainless Steel-304 top tile access plug, transition pipe, breaking concrete or masonry work & then making it good, etc. complete in all respects.				
	(a)	3 inches	Each	2		-
	(b)	4 inches	Each	9		-

461	NS-80	Spun Cast Iron pipe conforming to BS 416, including all fittings, cutting, jointing of pipes, supports and hangers, cost of breaking and making holes through walls and slab and making it good thereafter, giving anticorrosive treatment, applying protective paint of approved make; complete as per drawing and as directed by the Engineer.				
	(a)	3 inches	Rft	10		-
	(b)	4 inches	Rft	10		-
		<u>FIRE FIGHTING</u>				
		(Ref. Specs 5150)				
462	NS-81	Fire Extinguisher of following types.				
	(a)	Dry Chemical Powder Fire Extinguisher 6Kg Capacity.	Each	3		0
	(b)	Foam Type fire extinguisher capacity 9 litres.	Each	3		0
Fourth Floor (Plumbing Works) Cost of Non-Scheduled Items: PKR.						0
Fourth Floor (Plumbing Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						0
Q.1		<u>ROOF PLUMBING WORKS - SCHEDULED ITEMS</u>				
		<u>WATER SUPPLY PIPES AND FITTINGS</u>				
463		Providing G.I. pipes, specials and clamps etc., including fixing, cutting and fitting, complete with and including the cost of breaking through walls and roof, making good etc., painting 2 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 (61 m) and cartages within 10 miles. (16.09km). (ILLM). of following pipe sizes:				
	305-2	3/4 inch (20mm) dia pipe	Rft	10		-
	305-3	1 inch (25mm) dia pipe	Rft	20		-
	305-4	1-1/4 inch (32mm) dia pipe	Rft	20		-
	305-5	1-1/2 inch (40mm) dia pipe	Rft	20		-
	305-6	2 inch (50mm) dia pipe	Rft	1,180		-

	305-7	3 inch (80mm) dia pipe	Rft	450		-
464		Providing and fixing full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern) of following diameters:				
	307-10	1-1/4 inch (32mm) dia	Each	1		-
	307-11	1-1/2 inch (40mm) dia	Each	2		-
	307-12	2 inch (50mm) dia	Each	25		-
465		Providing and fixing cast iron sluice valves with flanged ends and two tail pieces to each valve complete with bolts and nuts, including the cost of insertion rubber washers (valves to stand test pressure head of 400 feet (122 m).				
	310-1	3 inches (80 mm) dia..	Each	6		-
Roof (Plumbing Works) Total Cost of Scheduled Items: PKR.						-
Q.2	<u>ROOF PLUMBING WORKS - NON-SCHEDULED ITEMS</u>					
	<u>WATER SUPPLY PIPES AND FITTINGS</u>					
	(Ref. Specs 5100, 5216, 5220, 5240)					
466	NS-82	G.I pipes conforming to ASTM A-53 Sch. 40, including all fittings, cutting, welding & flange provisions, fixing, supports & hangers system as per requirement; cost of breaking and making holes through walls and slabs, making walls & slabs good thereafter, painting with two coats of enamel paint after cleaning the pipe, etc of approved make, complete in all respect. (Filling pipe)				
	(a)	Dia 3 inch	Rft	150		-
467	NS-83	01" thick Glass wool thermal insulation for cold and hot water GI pipes (in exposed conditions) including aluminium vapour barrier and GI (28swg) cladding and all other required accessories complete for following pipe diameters				
	(a)	1 inch (25mm) dia pipe	Rft	20		-
	(b)	1-1/4 inch (32mm) dia pipe	Rft	20		-
	(c)	1-1/2 inch (40mm) dia pipe	Rft	50		-
	(d)	2 inch (50mm) dia pipe	Rft	1120		-
	(e)	3 inch (75mm) dia pipe	Rft	350		-

468	NS-84	Provide and install C.I. gate valves conforming to BS-5163 (PN-16) including Adapters, flanges, nuts & bolts, transition pipe pieces with flanges, rubber seal, making required type of joints on both ends complete in all respect as shown on drawings or as directed by the Engineer of following diameters. (Filling pipe)				
	a)	3" dia	Each	1		0
469	NS-85	Pressure Booster pump (01 No.) for potable water supply comprising pump with electric motor including Motor control unit, VFD, 40-50 liters Pressure tank, Pressure switch, pressure gauges, gate valve, check valves, manual, tools, spare parts etc, and all other accessories, complete in all respect of the 40l/gpm Capacity and 2 bar Pumping head	Job	1		0
		<u>STORM DRAINAGE PIPES & FITTINGS</u>				
		(Ref. Specs 5100)				
470	NS-86	uPVC Rain water pipes conforming to ISO:3633 type "B" or BS-4514/5255 class "A" of the following diameters, including imported rubber ring/solvent cement fittings, jointing, cutting, and breaking concrete/masonry and then making it good, applying painting, cleaning and testing etc. complete in all respects.				
	(a)	3 inches	Rft	10		-
	(b)	4 inches	Rft	20		-
	(c)	6 inches	Rft	800		-
471	NS-87	CI roof drain of approved make of following diameters, including strainer, flushing material, and all accessories for complete installation, as per specifications.				
	(a)	4 inches	Each	2		-
	(b)	6 inches	Each	11		-
Roof (Plumbing Works) Cost of Non-Scheduled Items: PKR.						-
Roof (Plumbing Works) Total Cost of Scheduled & Non-Scheduled Items: PKR.						-
Total Cost of Plumbing Works: PKR.						-
(Civil + Electrical + Plumbing Works) Grand Total Cost: PKR.						-