

**ESTABLISHMENT OF POST GRADUATE EDUCATION AND RESEARCH CENTER
AT
PIR ABDUL QADIR SHAH JILANI INSTITUTE OF MEDICAL SCIENCES
(PAQSJIMS) GAMBAT
(HOSTEL BUILDING)**

BILL OF QUANTITY



Consultant:

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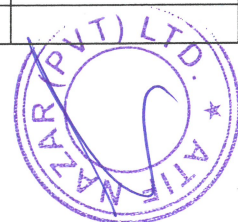
S. NO.	DESCRIPTION	AMOUNT
1	CIVIL WORKS	
A	Schedule Items	78,247,249.71
	Add % on (A) PWD Schedule Rates 2012 for Schedule Items= Rs.	
	TOTAL (A)	
B	Non-Schedule Items	
	TOTAL (B)	
	GRAND TOTAL (A+B)	
2	PLUMBING WORKS	
A	Schedule Items	2,321,355.63
	Add % on (A) PWD Schedule Rates 2012 for Schedule Items= Rs.	
	TOTAL (A)	
B	Non-Schedule Items	
	TOTAL (B)	
	GRAND TOTAL (A+B)	
3	ELECTRICAL WORKS	
A	Schedule Items	3,078,335.58
	Add % on (A) PWD Schedule Rates 2012 for Schedule Items= Rs.	
	TOTAL (A)	
B	Non-Schedule Items	
	TOTAL (B)	
	GRAND TOTAL (A+B)	
	GRAND TOTAL (1 + 2 + 3)	



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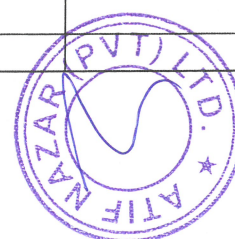
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
		<u>CIVIL WORKS (Schedule Items)</u>				
1		Clearing and Grubbing				
	102-1	Clearing jungle (ordinary) by cutting, removing all shrubs, trees, upto 6 inches (152 mm) girth, etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless material as directed, included all leads, cost of earth included.	100 Sq.ft	14,683.00	43.43	6,376.83
2		Excavation				
a	103-13	Excavation for raft foundations, underground tanks and septic tanks (rectangular or square) in wet silt clay or mud and back filling the excavated material all round the trenches 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, Including all lead and lift up to 5 feet (1.52 m).	100 Cft	73,410.00	736.23	540,466.44
b	103-13 + 28	Add for additional lift of every three feet (5ft to 8ft)	100 Cft	14,683.00	813.58	119,457.95
3		Bailing out water.				
	103-40	Bailing or pumping out sub-soil water during excavation, concreting, cast in situ concrete or masonry work in foundation etc. (only three operations to be allowed, trench volume under water to be measured first time for excavation, second time for concreting, and third time for cast in situ concrete or masonry work in foundation etc.,	100 Cft	29,363.00	298.35	87,604.51
4		Stone Soling				
	104-12	Supplying, stacking, spreading and filling stones of required size to required slope from approved quarries in plinth or under floor including filling voids with spawl and chips and consolidation by ramming layers not exceeding 9 inches (229 mm) in depth to full compaction lift upto 5 feet (1.52 m).	100 Cft	15,497.22	2,207.48	342,098.37
5		Lean Concrete				
	105-13	Providing and laying 1:4:8 (1 cement 4 sand and 8 coarse aggregate) cement concrete using graded stone ballast 2 inches (51 mm) and down gauge in foundation including levelling, compacting and curing etc. complete.	100 Cft	7,341.06	10,415.44	764,603.96
6		Situ Wall				



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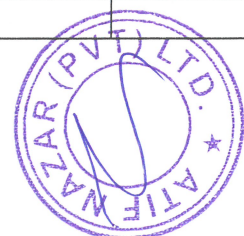
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
	106-02	Providing and laying in situ 1:3:6 (1 cement 3 sand and 6 coarse aggregate) cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge in foundation, basement and plinth including form work, compacting, curing and removal of form work, etc. complete, foundation and basement up to 5 feet (1.52 R.m) depth and plinth up to 4 feet (1.2 R.m) height from ground level.	100 Cft	2,528.00	14,887.24	376,349.43
7		REINFORCED CEMENT CONCRETE (SUB STRUCTURE)				
a		Foundation				
	114-02 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in raft or strip foundation with columns and pillars, of any shape including form work and its removal, compacting, leveling and curing etc. complete but excluding the cost of reinforcement, in foundation basement and plinth.	100 Cft.	28,828.00	23,751.95	6,847,212.15
b		Sub-Structure Columns				
	114-04 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in columns of square or rectangular shape of regular section including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, in foundation basement and plinth.	100 Cft.	1,296.75	26,704.50	346,290.60
c		Plinth Beam				
	114-08 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs.. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in plinth beams of required shape and design including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, tn foundation basement and plinth	100 Cft.	3,356.00	26,113.85	876,380.81
8		Earth Filling				
	104-8	Supplying earth from approved outside sources including digging, loading and unloading and filling in foundation trenches, plinth or under floor, etc. including breaking clods, dressing, watering and consolidation by ramming in layers not exceeding 9 inches (229 mm) in depth to full compaction complete with all lead and lift of 5 feet (1.52 m).	100 Cft	101,469.95	2,467.50	2,503,774.06
9		Damp Proof Course				



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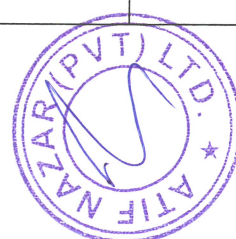
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
a	108-03	Providing and laying 2 inches (51 mm) thick damp proof course with cement concrete 1:2:4 cast in situ using graded screened bajri of 3/4 inch (19 mm) and down gauge mixed with any approved water proofing agent including compacting, curing form work and its removal etc. complete, but excluding the cost of water proofing agent .	100 Sq.ft.	1,322.21	2,659.79	35,167.84
b	108-05	Extra for using water proofing agent pudlo in item Nos. 1,2 and 3 (quantity to be used as per manufacturer's specification).	KG	39.67	86.10	3,415.30
10		Super Structure Columns				
a	114-24 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in columns of square or rectangular shape of regular section including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, in the ground floor	100 Cft.	1,528.31	30,389.36	464,444.39
b	114-24 + 135 + 138 + 92	First floor	100 Cft.	1,492.22	31,338.56	467,639.87
c	114-24 + 135 + 138 + 92 + 93	Second floor	100 Cft.	1,327.00	32,090.01	425,834.43
d	114-24 + 135 + 138 + 92 + 93 + 93	Roof floor	100 Cft.	270.00	32,841.46	88,671.94
11		Super Structure Beams				
a	114-38 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in straight beams, lintels cantilever beams of required shape or section including form work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement and ground floor.	100 Cft.	3,021.37	28,609.52	864,398.83
b	114-38 + 135 + 138 + 92	First floor	100 Cft.	3,045.84	29,558.72	900,310.30
c	114-38 + 135 + 138 + 92 + 93	Second floor	100 Cft.	3,004.07	30,310.17	910,539.00
d	114-38 + 135 + 138 + 92 + 93	Roof	100 Cft.	230.91	31,061.62	71,723.23
12		Lintels				



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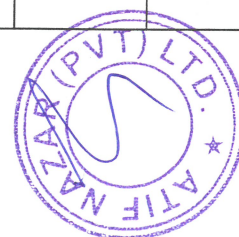
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
		Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 2250 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:2:4 in straight beams, lintels cantilever beams of required shape or section including form work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement and ground floor.				
a	114-38	Ground floor.	100 Cft.	256.13	19,779.90	50,661.27
b	114-38 + 92	First floor.	100 Cft.	256.13	20,729.10	53,092.41
c	114-38 + 92 + 93	Second floor.	100 Cft.	256.13	21,480.55	55,017.06
13		Coping				
	109-105 + 111 + 112 + 112	Providing and laying in situ 1:3:6 cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge in architraves, coping and cornice etc. of required shape in superstructure including compacting, curing, cost of form work and its removal etc., complete in Second floor .	100 Cft.	462.94	16,332.29	75,608.30
14		Counter Top				
a	114-55	Providing and laying reinforced cement concrete using screened graded bajri 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 2250 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:2:4 in ordinary slab 3 inches (76 mm) to less than 5" (127 mm) thick including form work and its removal compacting and curing etc, complete but excluding the cost of reinforcement, in basement plinth and ground floor.	100 Cft.	169.10	21,234.54	35,908.54
15		Slab				
a	114-56 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in ordinary slab 5 inches (127 mm) to 6 inches (152 mm) thick Including form work and its removal compacting and curing etc. complete but excluding the cost of reinforcement, in basement plinth and ground floor	100 Cft.	4,918.73	28,084.91	1,381,422.07
b	114-56 + 135 + 138 + 92	First floor	100 Cft.	5,198.78	29,034.11	1,509,419.63
c	114-56 + 135 + 138 + 92 + 93	Second floor	100 Cft.	4,918.73	29,785.56	1,465,072.53



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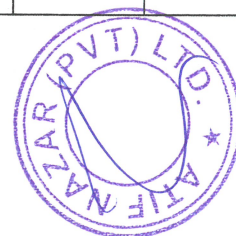
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
d	114-56 + 135 + 138 + 92 + 93 + 93	Roof	100 Cft.	643.00	30,537.01	196,352.97
16		Stair Case				
a	114-50 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in straight stairs and landing of required section including form work and its removal, compacting and curing etc. complete but excluding the cost of reinforcement, in basement plinth and ground floor.	100 Cft.	487.23	33,930.55	165,319.82
b	114-50 + 135 + 138 + 92	First floor	100 Cft.	487.23	34,879.75	169,944.61
c	114-50 + 135 + 138 + 92 + 93	Second floor	100 Cft.	487.23	35,631.20	173,605.90
17		Top roof Over head water tank & Under ground water tank				
a	114-10 + 135 + 138 + 92 + 93 + 93 + 93	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs. per sq. inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in straight walls in over head water tank bins, bunkers, intze tanks and silo up to a height of 30 feet (9 m) above ground including form works and its removal, compacting and curing etc. complete but excluding the cost of reinforcement..	100 Cft.	620.75	34,438.87	213,780.75
b	114-09 + 135 + 138	Providing and laying reinforced cement concrete using crushed graded boulders 3/4 inch (19 mm) and down gauge having a minimum works cube crushing strength of 4500 lbs.. per sq inch (15.52 N/mm ²) at 28 days with a mix not leaner than 1:1:2 in straight walls more than 6 inches (152 mm) thick including form work and its removal, compacting and curing etc. but excluding the cost of reinforcement, in foundation, basement and plinth	100 Cft.	415.92	27,958.39	116,283.84
c	114-153	Providing and using pudlo in ordinary portland cement in item of RCC .	KG	31.11	85.37	2,655.86
d	124-93	Providing and fixing plain polyvinyle chloride (PVC) water stops 12" (305 mm) wide in vertical or horizontal expansion joints including cutting and jointing etc. complete in all floors .	Rft	119.84	500.16	59,939.15
18		Brick Massonary				



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a	112-25 + 79	Providing and laying first class solid burnt brick masonry set in cement mortar 1:4 in straight or curved walls 9 to 13-1/2 inches (229 mm to 343 mm) thick including scaffolding, raking, out joints and curing etc. complete in ground floor superstructure .	100 Cft.	12,241.34	22,529.54	2,757,917.17
b	112-25 + 79 + 70	First Floor	100 Cft.	10,667.91	23,551.06	2,512,405.74
c	112-25 + 79 + 70 + 71	Second Floor	100 Cft.	10,667.91	24,230.54	2,584,892.05
d	112-25 + 79 + 70 + 71 + 71	Roof	100 Cft.	3,478.84	24,910.02	866,580.52
19		Metal lathing for cement plaster (At joints)				
	122-42	Providing and fixing expanded metal or wire net lathing with 3/4" (19 mm) cement plaster 1:4 in 3 layers including curing etc. complete in any floor with expanded metal 2-1/2" x 3/4" x 12 gauge (64 mm x 19 mm x 2.11 mm).	100 Sq.ft.	10,221.46	11,447.18	1,170,069.07
20		Steel Reinforcement				
		Providing and laying hard grade ribbed deformed (minimum yield point 60,000 psi) reinforcement bars with & including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 precast or m.s. chairs, tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including septic tanks and under ground tanks and in projections for future extension .				
a	114-166	G.Floor	Kg	110,000.00	123.02	13,532,200.00
b	114-166 + 174	F.Floor	Kg	44,000.00	124.47	5,476,680.00
c	114-166 + 174 + 176	S.Floor	Kg	40,000.00	125.46	5,018,400.00
d	114-166 + 174 + 176 x 3	Roof	Kg	4,000.00	128.43	513,720.00
21		Roof Columns				
	114-158 + 159 + 160 + 160 + 160	Providing and laying RCC columns of any shape and design on lean concrete of 1:12 for temporary coverage of steel including form work and its removal compacting etc. complete but excluding the cost of reinforcement, Roof.	100 Cft.	570.75	15,649.10	89,317.24
22		Plaster				



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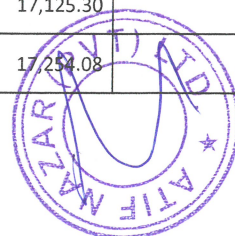
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
a		1/4" (6.4 mm) thick cement plaster 1:4 on soffits of ceiling, cantilever slabs, sides and soffits of beam etc., in basement, mezzanine and ground floor including making edges, corners and curing etc., Complete.				
i	122-2	Ground Floor	100 Sq.ft.	9,411.56	1,625.98	153,030.10
II	122-2 + 87	First Floor	100 Sq.ft.	8,988.50	1,779.85	159,981.79
III	122-2 + 87 + 90	Second Floor	100 Sq.ft.	8,988.50	1,910.31	171,708.19
IV	122-2 + 87 + 90 + 90	Roof	100 Sq.ft.	900.00	2,040.77	18,366.93
b		1/2" (13 mm) thick cement plaster 1:5 on walls and columns etc. in basement, plinth, mezzanine and ground floor including making edges, corners, and curing etc., complete..				
i	122-5	Ground Floor	100 Sq.ft.	22,660.27	1,896.49	429,749.66
II	122-5 + 88	First Floor	100 Sq.ft.	24,076.13	2,101.65	505,995.88
III	122-5 + 88 + 91	Second Floor	100 Sq.ft.	24,076.13	2,275.59	547,873.89
IV	122-5 + 88 + 91 + 91	Roof	100 Sq.ft.	2,541.00	2,449.53	62,242.56
c		3/4" (19 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.				
i	122-8	Ground Floor	100 Sq.ft.	14,413.30	2,367.12	341,179.47
II	122-8 + 88	First Floor	100 Sq.ft.	8,572.51	2,572.28	220,508.55
III	122-8 + 88 + 91	Second Floor	100 Sq.ft.	8,572.51	2,746.22	235,419.57
IV	122-8 + 88 + 91 + 91	Roof	100 Sq.ft.	6,042.85	2,920.16	176,460.72
d		UGWT & OHWT				
i	117-5	Providing, and laying floors of 1-1/2 inches (38 mm) thick 1:2:4 cement concrete using graded screened bajri 3/4 inches (19 mm) and down gauge in UGWT including form work, consolidation, finishing, curing etc. complete..	100 Sq.ft.	216.00	2,340.55	5,055.59
II	117-5 + 25+26+ 26+26	Providing, and laying floors of 1-1/2 inches (38 mm) thick 1:2:4 cement concrete using graded screened bajri 3/4 inches (19 mm) and down gauge in OHWT including form work, consolidation, finishing, curing etc. complete..	100 Sq.ft.	216.00	3,167.90	6,842.66
III	122-2	1/4" (6.4 mm) thick cement plaster 1:4 on soffits of ceiling, cantilever slabs, sides and soffits of beam etc., in UGWT including making edges, corners and curing etc., Complete.	100 Sq.ft.	216.00	1,625.98	3,512.12
iv	122-2 + 87 + 90 + 90 + 90	1/4" (6.4 mm) thick cement plaster 1:4 on soffits of ceiling, cantilever slabs, sides and soffits of beam etc., in OHWT including making edges, corners and curing etc., Complete.	100 Sq.ft.	432.00	2,040.77	8,816.13



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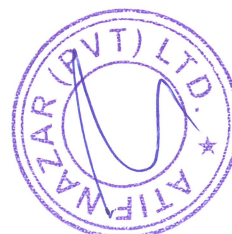
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v	122-5	1/2" (13 mm) thick cement plaster 1:5 on walls and columns etc. in UGWT including making edges, corners, and curing etc., complete..	100 Sq.ft.	735.00	1,896.49	13,939.20
vi	122-5 + 88+91+91 +91	1/2" (13 mm) thick cement plaster 1:5 on walls and columns etc. in OHWT including making edges, corners, and curing etc., complete..	101 Sq.ft.	735.00	2,449.53	18,004.05
vii	114-153	Providing and using pudlo in ordinary portland cement in item of RCC .	KG	57.06	85.37	4,871.21
23		Flooring				
a	117-01	Providing and laying soling stones 6 inches to 9 inches (152 mm to 229 mm) size under floors including packing with spawls and chips and consolidating etc. complete.	100 Cft.	7,341.00	3,251.34	238,680.87
b	117-02	Providing and laying 1:4:8 cement concrete bed under floors using graded stone ballast 2 inches (51 mm) and down gauge with levelling and ramming, watering and curing etc. complete..	100 Cft.	2,495.94	10,315.56	257,470.19
c	117-06	Providing and laying floors of 2 inches (51 mm) thick 1:2:4 cement concrete using graded screened bajri 3/4 inch (19 mm) and down gauge in ground floor laid in panels including form work, consolidation, finishing, and curing etc. complete.	100 Sq.ft.	12,209.37	3,053.25	372,782.47
d	117-06 + 25	First floor	101 Sq.ft.	8,988.50	3,295.21	296,189.86
e	117-06 + 25 + 26	Second floor	102 Sq.ft.	8,988.50	3,490.34	313,729.12
f	117-06 + 25 + 26 + 26	Roof	102 Sq.ft.	200.00	3,685.47	7,370.94
24		Porcelain tiles				
	117-159	Providing and laying light colour, glazed/non skid vitrified porcelean tiles (Polished) not exceeding 1600 Sqcm each, (Pak made) on walls and floors, in any floor, laid with dry bond (stile bond) over a base of 1" thick cement mortar (1:3) including jointing to tiles with joint filler of approved quality as per direction of the Engineer incharge.	100 Sq.ft.	24,571.84	17,882.39	4,394,031.36
25		Glazed Tiles Flooring				
a		Providing and laying floor of 6mm (approx: 1/4") thick white glazed tiles 12" x 12" (304mm x 304mm) of master make (Pakistani) first grade in ground floor laid over 1" (25mm) thick cement mortar 1:2 (1 cement and 2 sand) including jointing and washing the tiles with white cement slurry and curing etc, complete.				
i	117-62	Ground floor	100 Sq.ft.	1,098.50	16,930.17	185,977.92
ii	117-62 + 69	First floor	100 Sq.ft.	600.00	17,125.30	102,751.80
iii	117-62 + 69 + 70	Second floor	100 Sq.ft.	600.00	17,254.08	103,524.48



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BILL OF QUANTITY

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
b		Glazed Tiles Dado & Skirting				
		Providing and fixing 1/4"(6mm approx.) thick of Pakistani make first grade coloured glazed tiles 8"x 10" (203mm x 254mm) size in dado and skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with white cement slurry to matching the colour and washing the tile, curing and cleaning etc. complete				
i	118-48	Ground floor	100 Sq.ft.	3,243.00	9,097.31	295,025.76
ii	118-48 + 51	First floor	100 Sq.ft.	1,940.00	9,392.79	182,220.13
iii	118-48 + 51	Second floor	100 Sq.ft.	1,940.00	9,625.83	186,741.10
26		Chequered tiles				
a	117-107	Providing and laying floor 1 inch (25 mm) thick of cement tiles 12" X 12" X 1" (1/2" topping and 1/2 inch base) or 305 mm X 305 mm X 25 mm (13 mm topping, 12 mm base) in grey cement in ground floor over 1 inch (25 mm) lime mortar 1:2 (one lime two sand) including setting the tiles with grey cement slurry over lime mortar, jointing and washing the tiles with neat cement slurry, polishing and curing etc. complete including the cost of mortar..	100 Sq.ft.	160.00	8,065.32	12,904.51
b	118-63	Providing and fixing cement tiles 6" X 6" X 3/4" (152 mm X 152 mm x 19 mm) in dado and skirting in approved dark shade over 1/2 inch (13 mm) thick base in cement mortar 1:3 in ground floor setting of tiles in slurry of grey cement over mortar base, including filling of joints and washing the tiles with cement slurry of the matching colour curing, grinding, rubbing and polishing etc. complete.	100 Sq.ft.	80.00	9,301.82	7,441.46
27		Doors and Windows				
a	119-82	Providing and fixing fully glazed Champagne anodized aluminium Swing door with frame as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Deluxe model section, 76.2mm x 38.1mm and 1.6mm thick including the aluminium fittings, 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. (Single leaf)	Sq.ft.	3,386.50	447.01	1,513,799.37



ESTABLISHMENT OF POST GRADUATE EDUCATION AND RESEARCH CENTER
AT
PIR ABDUL QADIR SHAH JILANI INSTITUTE OF MEDICAL SCIENCES (PAQSJIMS) GAMBAT
(HOSTEL BUILDING)

BILL OF QUANTITY

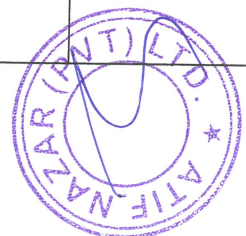
S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
b	119-82	Providing and fixing fully glazed Champagne anodized aluminium Swing door with frame as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Deluxe model section, 76.2mm x 38.1mm and 1.6mm thick including the aluminium fittings, 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. (Double leaf)	Sq.ft.	118.00	447.01	52,747.18
c	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, M.S. square pipe beading, rubber packing and screw in any floor at any height.	Sq.ft.	3,608.50	106.11	382,882.98
d	119-67 + 120	Providing and fixing fully glazed Champagne anodized aluminium Fixed windows Partition as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), Deluxe model box section 101.76mm x 44.50mm and 2mm thick including the cost of aluminium fittings, 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, including the cost of glass pans 5mm tinted.	Sq.ft.	311.50	359.51	111,987.37
e	119-79 + 120	Providing and fixing double glazed Champagne anodized aluminium Sliding windows as per British standard manufactured by Lucky, Alcop, Krudson, Pakistan Cables and A.C.P. (fixing through their approved fabricators), VIP model section double or single glazed 100mm x 34mm and 1.6mm 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, including the cost of glass pans 5mm tinted.	Sq.ft.	3,238.00	735.43	2,381,322.34
f	121-76	Providing and fixing with brass screws Alpha knob set lock of approved design (No. 7000) Japan make, cutting to required shape and size with two operating keys as per direction of the Engineer-in-Charge.	Each	129.00	2,531.56	326,571.24
g	121-68	Providing and fixing with brass screws or specially supplied screws hydraulic door closer branno of approved design No. 3 (Yugoslavia make), cutting etc., to required shape and size as per direction of Engineer-in-Charge.	Each	129.00	1,943.14	250,665.06



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BILL OF QUANTITY

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
h	121-65	Providing and fixing with brass screws or specially supplied screws yale night latch design of approved design No. 610, Italian make, cutting etc., to required shape and size as per direction of the Engineer-in-charge.	Each	129.00	4,151.49	535,541.57
28		Water Proofing and Roof Screeding				
a	108-12 x 2 + 30 + 30 + 30	Providing two coat of bitumen emulsion at 10 Lbs. per % sft. (0.49 Kg/sm) on roof.	100 Sq.ft.	10,516.56	1,586.23	166,816.87
b	108-25A + 37 + 37 + 37	Providing and laying water proofing of 1-1/2" to 2 inches (38 to 51 mm) thick 1:2:4 cement concrete using graded screened bajri 3/8 to 3/16 inch (4 to 2 mm) thick in strips 1-1/4' wide laid on next day in full length of the roof with using M/S angle 1-1/2" x 1-1/2" x 3/16" including compacting, curing and removal of angles iron and laying of 6mm dia steel bars @300 mm c/c both ways as directed on roof but excluding the cost of M/S angle and steel bars.	100 Sq.ft.	10,516.56	3,155.07	331,804.91
29		Misc.				
a	124-171	Providing and laying 1/2" (13mm) thick marble patties (panel strips) up to 1-1/2" (38 mm) depth in floor and dado of any description in all floor.	Rft.	955.00	6.46	6,169.30
b	124-141	Providing and laying gola 3" x 3" (76 mm x 76 mm) concrete 1:2:4 using graded screened bajri at junction of roof slab and walls and finished with cement plaster 1:4 including curing etc. complete.	100 Rft.	1,998.00	1,368.16	27,335.92
c	124-65	Providing and fixing 4" (100 mm) dia polyvinyl chloride rain water (PVC) down pipe with mild steel clamps, bolts and nuts fixed in cement concrete 1:2:4 etc. complete.	Rft	199.00	283.29	56,375.58
d	124-69	Providing and fixing 4" (100 mm) dia polyvinyl chloride (PVC) bend of any degree for rain water down pipe with clamps, bolts and nuts in cement concrete 1:2:4 etc. complete..	Each	320.00	696.81	222,980.16
e	122-37	Extra if deep cut grooves of approved sizes and design are made on plastered surface of any description in any floor	100 Sq.ft.	1,989.00	733.11	14,581.61
30		Paint				
a	122-151	Distemping with vinyl distemper (ICI) Dulux Paintex of approved make and shade in two coats over and including the cost of one priming coat of lime wash including sand papering, dusting, and filling the holes, cracks and inequalities, if any, at any height in any floor.	100 Sq.ft.	28,288.56	1,053.54	298,031.66



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BILL OF QUANTITY

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
b	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 .	100 Sq.ft.	73,353.52	2,742.08	2,011,411.77
c	122-172	Painting three coats with weather shield paint deluxe (ICI) make of approved shade on plaster surface (External) and including the cost of cleaning the surface, sand papering etc. complete at any height in any floor.	100 Sq.ft.	37,601.17	1,406.88	529,005.04
31		Wooden Flooring				
	117-147	Providing and fixing with iron screws best quality imported teak wood 1-1/2 inches (38 mm) thick Planking of required width for flooring rebated or tongues and grooved on wooden frame in any floor including necessary jointing finishing etc. complete but excluding the cost of frame..	Sq.ft.	300.00	1,005.78	301,734.00
32		Shelves				
	120-40	Providing and fixing 1 inch (25 mm) best quality deodar wood shutters fully glazed with plain glass panes 24 oz. (7.3 kg./SM), approved iron hinges, tower bolt, deodar wood beading and putty packing to glasses etc., as required.	Sq.ft.	1,947.25	396.59	772,259.88
	120-222	Providing and fixing 3/4 inch (19 mm) thick best quality deodar wood planking in shelves on deodar wood brackets each having cross sectional area approximately 4 square inches (2G SqM.) and spaced at 3 feet (0.9 m) centre to centre fixed lo walls with screws and rawal plugs etc., as required.	Sq.ft.	1,175.00	386.16	453,738.00
33		Sky light				
	119-23	Providing and fixing fully glazed fixed steel sky light etc. made to crittal or equivalent standard and of approved section painted with two coats of red oxide paint including, cutting holes and making good damages to walls etc. complete as required in any floor.	Sq.ft.	453.75	374.79	170,060.96
Sub Total (Schedule Items) = Rs.						78,247,249.71



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BILL OF QUANTITY

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
		<u>CIVIL WORKS (Non Schedule Items)</u>				
1		Termite Treatement				
	M-R	Providing and applying anti termite treatment in foundation bed of excavated trenches, vertical walls of excavated trenches and under floor of new buildings by approved manufactures/suppliers with ten years guarantee as directed by the engineer incharge (Only Plinth Area three time).To all the earth dressed horizontal and vertical surfaces before laying of concrete etc. for columns and wall foundations as well as trenches for drain lines etc.To all foundations and plinth beams surfaces upto plinth level before earth filling.To completion of stone soling in plinth area complete and also in plinth protection,Note: Payment as per Plinth Area one time.	Sft	14,682.00		
2		Water Proofing				
	M-R	Providing, laying and applying hot bitumen to the vertical surfaces of the columns and the walls in foundation & plinth in two layers with 10/20 at 1.64 kg per sqm, applied hot over the completely dry surfaces of the concrete works, after the curing period is over, complete as per drawings, specifications and as per instructions of Engineer In-charge.	Sft	19,444.00		
3		Marble				
a		Steps (Tread)				
		Providing & laying 3/4" thick polished approved Marble (as approved by Engineer In-charge) in single piece (Upto 6 Sqft) with Polish, bull nose edging on Stairs Steps as shown on drawings including preparation and laying of base plaster / concrete (1" thick) in 1:4 cement sand mortar, filling/grouting joints in white/coloured cement & matching colour grout as required, mechanical cutting complete as per drawing / specification and instructions of Engineer Incharge.	Sft	1,266.44		
b		Steps (Riser & Skirting)				
		Providing & laying 3/8" thick polished approved Verona Marble (as approved by Engineer In-charge) on Stairs Riser and skirting as shown on drawings including preparation and laying of base plaster / concrete (1/2" thick) in 1:4 cement sand mortar, filling/grouting joints in white/coloured cement & matching colour grout as required, mechanical cutting complete as per drawing / specification and instructions of Engineer Incharge.	Sft	1,393.08		
c		Floor and Walls				



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S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
		Providing & laying 1/2" thick pre polished approved Verona Marble (as approved by Engineer In-charge) size 1' x 2' on floor as shown on drawings including preparation and laying of base plaster / concrete (2-1/2" thick) in 1:4 cement sand mortor, filling/grouting joints in white/coloured cement & matching colour grout as required, mechanical cutting complete as per drawing / specification and instructions of Engineer Incharge.	Sft	2,652.25		
4		UPVC Rafter				
		UPVC Section Wooden Rafter MS U-Channel inside 18 Gage & With Fixing of Flinch Plate, Rawl Bolt, Nut Bolt, Accessories, Labour, Cartage ,Handling, Lifting, Fitting & Complete in All Respect.	Sft	348.75		
5		Utility Room flooring				
	M-R	Providing and fixing, 32mm thick size 600 x 600 mm 300 mm high , metallic tile with cemented fill complete as per drawing / specification and instructions of Engineer Incharge..	Sft	711.36		
6		S S Handrail				
	M-R	Providing, making and fixing S.S. hand railing in Staircases consisting of 1½" Ø S.S. Vertical Post 2 Nos. at 2½ft interval with fixing arrangement of 16 gauge 4"Ø circular S.S. Plate / cover with Rawal Bolts and horizontal main rail of 2½" Ø S.S. Pipe with design / etching with SS Clamps and including buffing and making joints with finished, welded with high standard all fitting fixtures of S.S.complete as per drawings, specifications, and/or as directed by the Engineer In-charge (Shop drawings shall be provided for the approval of Engineer/Consultant).	Rft	285.00		
Sub Total (Schedule Items)= Rs.						





ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITY

MAIN SUMMARY

S.No	ITEMS OF WORKS	COST (Rs.)
	PLUMBING WORKS	
	TOTAL AMOUNT OF SCHEDULE ITEMS	2,321,355.63
	TOTAL AMOUNT OF NON SCHEDULE ITEMS	
	ADD ____ % ON PWD SHEDULE ITEM	
	TOTAL COST RS.	

Amount in words:-



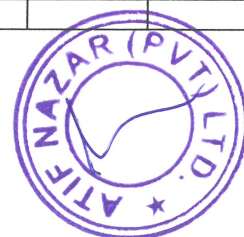


ESTABLISHMENT OF POST-GRADUATE STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITY

PLUMBING WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
(i)	SCHEDULE ITEMS: (Schedule of Rates, 2012 PAK P.W.D.)					
1	Sub Head code 301-6	Providing and fixing Pakistani make best available quality European style white glazed earthenware wash down W.C.Pan complete with and including the cost of a plastic seat (PVC cover and buffers 3 galls. (13.6 liters) white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2 inches (40mm) dia white porcelain enameled flush bend, 3/4 inch (20mm) dia, G.I. warning pipe carried outside and bent vertically downwards 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	4,804.67	4,804.67
2	Sub Head code 301-1	Providing and fixing best quality squatting type white glazed earthenware W.C Pan, Pakistani (of not less than 18 Inches clear opening as measured between flushing rims) complete with and including the cost of 13.6 litre 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, C.I. trap 4 inches (100mm) dia and making requisite number of holes in walls, plinth & floor for pipe connection and making good in cement concrete 1:2:4..	Each	55	3,424.92	188,370.38
3	Sub Head code 301-25	Providing and fixing approved quality earthen ware glazed vanity basin standard size (White/light colour) and including the cost of 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	58	6,611.13	383,445.66
4	Sub Head code 301-23	Providing and fixing approved quality stainless steel sink 33" x 18" Pak made (Atlas) 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	12,406.77	12,406.77
5	Sub Head code 301-17	Providing and fixing 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	174	333.70	58,064.64





ESTABLISHMENT OF POST-GRADUATE STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITY

PLUMBING WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
6	Sub Head code 301-14	Extra over item No.8 and 9 for providing single hole chromium plated mixer tap 1/2 inch (15 mm) dia (English or approved foreign make)..	Each	117	1,298.55	151,930.35
7	Sub Head code 302-13	Providing & fixing chromium plated Muslim bib-cock with out Muslim Shower of approved quality.	Each	56	720.94	40,372.64
8	S-1044	PVC Muslim shower with one meter flexible pipe.	Each	56	750.00	42,000.00
9	S-3395	Chromium Plated Brass Bottle Trap with union & pipe, 1-1/2 inches (40mm) dia.	Each	56	1,360.00	76,160.00
10	Sub Head code 302-11	Providing and fixing Royal bath room accessories of set of 7 pieces consist of one cosmetic shelf, one towel rod with bracket, one soap dish, one tooth brush holder with glass and cover, one tissue paper holder one double hook one towel ring etc complete of approved quality as per direction of Engineer in-charge.	Each	1	4,316.62	4,316.62
11	S-1056	Supply & Fixing Royal Soap Dish.	Each	56	346.70	19,415.20
12	Sub Head code 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	54	968.44	52,295.76
13	Sub Head code 302-3	Providing and fixing approved quality C.P. brass toilet paper holder.	Each	56	854.40	47,846.44
14	Sub Head code 302-6	Providing and fixing 20 inches x 16 inches (508 mm x 406 mm) Looking mirror of Belgium glass complete with Plastic frame and C.P. Brass screws.	Each	58	922.45	53,502.17
15	S-937	uPVC Mutli Floor Trape.	Each	62	774.74	48,033.57
16	Sub Head code 317-12	Fixing floor traps of sizes with gratings including cutting and making the requisite number of holes in walls, plinth and floors and making good in 1:2:4 C.C..	Each	62	294.96	18,287.42





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BILL OF QUANTITY

PLUMBING WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
17	Sub Head code 306-21	Providing and fixing un platized polyvinyl chloride pipe (U.P.V.C) "D" class and specials etc. including cutting and fitting complete with and including the cost of cutting trench upto 1-1/2 feet deep refilling, watering, ramming, and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (16.09 km.) (working pressure 12 kg/cm ²) 1-1/4 inches (32 mm) dia.				
a)	Sub Head code 306-23	2" dia	P.Rft	350	110.30	38,605.21
b)	Sub Head code 306-24	3" dia	P.Rft	1280	207.10	265,088.78
c)	Sub Head code 306-25	4" dia	P.Rft	1060	328.36	348,058.65
d)	Sub Head code 306-27	6" dia	P.Rft	280	509.08	142,541.17
18	Sub Head code 315-1	Providing manhole type 'A' size 2 feet x 1-1/2 feet or (610 mm x 457 mm) (inside dimensions) x 2 feet (610 mm) deep as per approved design and specifications complete for 4 inches to 12 inches (100 to 305 mm) dia pipes up to 3 feet-11 inches (1.19 m) depth with cast iron cover and frame 16 inches (406 mm) dia, inside (weight=1 Cwt.1 Qtr.) or 63.5 kg. fixed in 4 inches (100 mm) thick RCC 1:2:4 slab, 8 inches (203 mm) thick c.c. 1:3:6 block masonry walls set in 1:3 c.m; 6 inches (150 mm) thick 1:3:6 c.c. in foundation 1:2:4 c.c. in benching, 1/2 inches (13 mm) thick cement plaster in 1:3 C.M. to all inside wall surface, channels and benching etc. and to top including making requisite umber of main and branch channels but excluding the cost of excavation back filling and disposal of excavated stuff, manhole cover and frame.	Each	19	6,481.67	123,151.67
19	Sub Head code 315-2	Add for extra depth beyond 2 feet (610 mm) and upto 3 feet-11 inches (1.19 M) for 'A' type manholes (for depth lesser than 2 feet or 610 mm deduct at the same rate)..	Inch	38	80.32	3,052.30
20	Sub Head code 315-26	Providing & fixing C.I Cover & Frame 18" dia (460 mm) weight 1 cwt 3 Qtr (88.90 Kg.)	Each	19	8,769.90	166,628.10



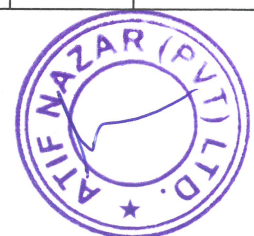


ESTABLISHMENT OF POST-GRADUATE STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITY

PLUMBING WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
21	Sub Head code 305-1	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 (16.09 km.) (ILLM). 1/2 inch (15mm) dia pipe.				
a)	Sub Head code 305-1	15 mm dia.	Rft	35	67.82	2,373.70
b)	Sub Head code 315-2	20 mm dia.	Rft	330	88.28	29,132.40
22	Sub Head 307-16	Providing and fixing 1/2 inches (15 mm) dia ball valve (with PVC Ball) made to B.S.S. 1212				
a)	Sub Head 307-17	15mm dia.	Nos.	9	129.76	1,167.84
b)	Sub Head 307-18	20mm dia.	Nos.	2	151.76	303.52
TOTAL OF SCHEDULE ITEM						2,321,355.63
(ii)		PART -B				
		NON SCHEDULE ITEM				
		WATER SUPPLY				
1	M.R	Providing, installation, hydrostatic testing, commission, and balancing of PPRC, PN-20, Cold & Hot Water Pipes with all fittings, fixtures and specials like bend, tee, reducing socket, union, nipples etc this piping shall be complete with approved quality hanger & support system which shall be 100% imported with galvanized iron hardware and fully threaded rods, bases and clamps with non aging gaskets, this also includes cutting in wall, slab, provision of sleeves, excavation and back filling in approved manner, complete in all respects as per specifications and drawings and as approved by the Consultant.				
i	M.R	3/4" (20mm)	Rft	490		
ii	M.R	1" (25mm)	Rft	2250		
iii	M.R	1-1/4" (32mm)	Rft	50		
iv	M.R	1 1/2 (40mm)	Rft	520		





ESTABLISHMENT OF POST-GRADUATE STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITY

PLUMBING WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
v	M.R	2 (50mm)	Rft	200		
2	M.R	Supply and fixing of Trap for Water Closet P or S Trap.	Each	1		
3	M.R	Ball Valve with Handle				
a)	M.R	S/F Ball Valve with handle 25mm dia for PPR pipe.	Nos.	96		
b)	M.R	S/F Ball Valve with handle 32mm dia for PPR pipe.	Nos.	1		
c)	M.R	S/F Ball Valve with handle 40mm dia for PPR pipe.	Nos.	20		
d)	M.R	S/F Ball Valve with handle 50 dia for PPR pipe.	Nos.	4		
		DRAINAGE SPECIALTIES				
4	M.R	Providing and fixing UPVC cowl for vent pipe of the following dia including all accessories complete in all				
a)	a)	3"	Nos.	20		
b)	b)	4"	Nos.	20		
		Water Geyser				
5	M.R	Supply and installation of geyser hot water geyser with below mentioned capacity including, 2 nos bass ball valves for piping, accessories, etc., complete all in accordance with the drawing and specifications.				
a)	M.R	35 gallons capacity	Nos	9		
6	M.R	Providing and fixing Fire Extinguishers filled with carbondioxide 5 kg	Nos.	10		
TOTAL OF NON SCHEDULE ITEM						-





ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITIES

SUMMARY ELECTRICAL WORKS

S.No	ITEMS OF WORKS	COST (Rs.)
B	ELECTRICAL WORKS	
	TOTAL AMOUNT OF SCHEDULE ITEMS	3,078,335.58
	TOTAL AMOUNT OF NON SCHEDULE ITEMS	
	ADD ____ % ON PWD SHEDULE ITEM	
	B = TOTAL AMOUNT ELECTRICAL WORKS	

Amount in words:-





**ESTABLISHMENT OF POST-GRADUATE
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BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
CHAPTER-2, INTERNAL ELECTRIFICATION						
2-15 Point Wiring in recessed PVC conduit						
1	02-15-01	Wiring for light, fan or call bell point with 1.5mm single core, PVC insulated wire copper conductor wire in 20mm (3/4") dia PVC conduit recessed in the wall or column, roof etc, including 1mm. Single core PVC insulated wire as ECC as required.	Point	523	700.46	366,340.58
2	02-15-03	Wiring for two way light point with 1.5mm single core, PVC insulated wire copper conductor wire in 20mm (3/4") dia PVC conduit recessed in the wall or column roof.	Point	9	801.17	7,210.53
3	02-9-04	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	290	222.90	64,641.00
Total Of Point Wiring in recessed PVC conduit Shedule RS :						438,192.11
2-34 3 wire with ECC wire in existing conduit/Cable duct						
4	02-34-01	Wiring for sub-main with 3x 1.5 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire including 1 mm ² PVC insulated wire single core wire as ECC in all kinds of existing or given conduit/cable duct as required.	Rft	2033	20.87	42,428.71
5	02-34-02	Wiring for sub-main with 3x 2.5 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire including 1.5 mm ² PVC insulated wire single core wire as ECC in all kinds of existing or given conduit/cable duct as required.	Rft	10572	26.03	275,189.16
6	02-34-03	Wiring for sub-main with 3x 4mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire including 1.5 mm ² PVC insulated wire single core wire as ECC in all kinds of existing or given conduit/cable duct as required.	Rft	278	37.29	10,366.62
7	02-34-04	Wiring for sub-main with 3x 6mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire including 2.5 mm ² PVC insulated wire single core wire as ECC in all kinds of existing or given conduit/cable duct as required.	Rft	4320	46.75	201,960.00

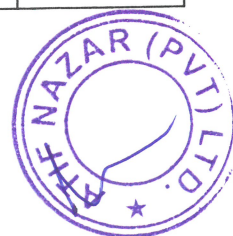




ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITIES
ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
		Total of 3 wire with ECC wire in existing conduit/Cable duct				529,944.49
		2-35 4 wire with ECC wire in existing conduit/ PVC Duct.				
8	2-35-04	Wiring for sub-main with 4x 4mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire including 1.5 mm ² PVC insulated wire single core wire as ECC in all kinds of existing or given conduit/cable duct as required.	Rft	65	45.77	2,975.05
		Total Of 4 wire with ECC wire in existing conduit Shedule RS :				2,975.05
		2-67 PVC CONDUIT & DUCT				
9	2-67-06	Supply & fixing 20mm (3/4") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required.	Rft	12605	23.15	291,805.75
10	2-67-07	Supply & fixing 25mm (1") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required	Rft	4663	26.71	124,548.73
11	2-67-10	Supply & fixing 50mm (2") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required	Rft	88	65.14	5,732.32
		Total Of PVC CONDUIT & DUCT Shedule RS :				422,086.80
		2-74 CLIPSAL"ACCESSORIES ON RECESSED METAL BOARD				
12	2-74-01	Providing & fixing 10 Amps polycarbonate flame retardent S.P switch with fancy required gang plate fixed on die fabricated, power coated metal board recessed in wall or column including connection as required [E31-36/1/2A Clipsal make]	Each	290	138.22	40,083.80
13	2-74-02	Providing & fixing 10 Amps polycarbonate flame retardent Two way switch with fancy required gang plate fixed on die fabricated, power coated metal board recessed in wall or column including connection as required [E31/2/3A Clipsal make]	Each	9	290.84	2,617.56
14	71-09	Providing & fixing flush type, 6/10 Amps 3-Pin socket and double switches combine unit (Universal) fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	Each.	231	251.89	58,186.59



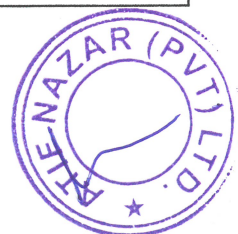


**ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT**

BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
15	2-74-06	Providing & fixing 15 Amps polycarbonate flame retardent 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, power coated metal board recessed in wall or column including connection as required [Clipsal make]	Each	64	514.58	32,933.12
16	2-74-10	Providing & fixing Polycarbonate flame retardent Telephone socket 4 contract single 2 line with fancy gang plate fixed on die fabricated, power coated metal board recessed in wall or column including connection as required [E31RJ64SM Clipsal make]	Each	4	565.84	2,263.36
17	2-74-12	Providing & fixing Polycarbonate flame retardant, T.V Socket with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Clipsal make)	Each	55	459.14	25,252.70
18	2-74-11	Providing & fixing polycarbonate flame retardent 400 watts fan dimmer with plate fixed on die fabricated, power coated metal board recessed in the wall or column including connection as required [E32V400F Clipsal make]	Each	69	943.58	65,107.02
		Total Of CLIPSAL"ACCESSORIES Shedule RS :				226,444.15
2-88 FITTING & FIXTURE - PHILIPS INDOOR LIGHT FITTING						
2-92 PHILIPS ACCENT & DECORATIVE LIGHTING						
2-104 MISCELLANEOUS FITTING AND FIXTURE						
2-106 CEILING FANS						
19	2-106-03	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	69	2,088.00	144,072.00
	2-107	WALL BRACKET FANS.				
20	2-107-03	Providing & installing 45 Cm (18") sweep 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	5	1,884.00	9,420.00
		Total Of Ceiling Fan Shedule RS :				153,492.00
2-111 DOUBLE ACTION PLASTIC BODY EXHAUST FANS						





**ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT**

BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
21	2-111-01	Providing & installing 20 cm (8") sweep, double Action, Plastic body Exhaust fan complete with blades, motor and pulling cord switch etc fixed in existing hole including connection with 14.0076" flexible wire complete as required Millat / Pak / Asia / Younus / Climax /Royal.	Each	40	1,330.00	53,200.00
22	2-111-02	Providing & installing 25 cm (10") sweep, double Action, Plastic body Exhaust fan complete with blades, motor and pulling cord switch etc fixed in existing hole including connection with 14.0076" flexible wire complete as required Millat / Pak / Asia / Younus / Climax /Royal.	Each	13	1,394.00	18,122.00
		Total Of Exhaust Fan Shedule RS :				71,322.00
		2-64 4 CORE CABLE WITH ECC WIRE IN EXISTING PIPE OR CABLE DUCT				
23	2-64-03	Providing & laying, 4 core, 4 mm ² , stranded copper conductor, PVC insulated & PVC sheathed cable I/c 1.5 mm ² single core PVC insulated wire as ECC in all kinds of existing or given conduit/cable duct as required.	Meter	30	167.39	5,021.70
24	2-64-04	Providing & laying, 4 core, 6 mm ² , stranded copper conductor, PVC insulated & PVC sheathed cable I/c 2.5 mm ² single core PVC insulated wire as ECC in all kinds of existing or given conduit/cable duct as required.	Meter	48	243.51	11,688.48
25	2-64-05	Providing & laying, 4 core, 10 mm ² , stranded copper conductor, PVC insulated & PVC sheathed cable I/c 2.5 mm ² single core PVC insulated wire as ECC in all kinds of existing or given conduit/ duct as required.	Meter	10	353.88	3,538.80
		Total Of Cable Shedule RS :				20,248.98
		3-04 4 CORE LT UN ARMoured CABLE IN EXISTING CONDUIT OR CABLE DUCT				
26	3-4-01	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.	Meter	25	434.04	10,851.00
		Total Of Cable Shedule RS :				10,851.00
		3-09 EARTHING AND LIGHTING ARRESTOR.				

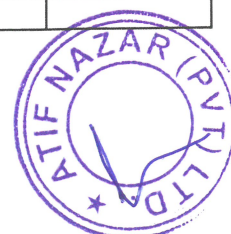




ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITIES
ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
27	3-9-03	Providing and fixing earthing set with 2'x2'x1/4" copper plate buried in the ground at a 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" G.I conduit complete in all respect as required.	Job	2	11,658.00	23,316.00
		Total Of Earthing Schedule RS :				23,316.00
28		L.V SWITCH GEARS				
A		MDB-E				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing, vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	6	2,420.00	14,520.00
ii	2-81-04	Providing & fixing 10 to 60 Amps, (High Breaking Capacity) T.P MCCB fixed on existing board, i/c inter-connection as required.	Each	8	4,576.00	36,608.00
iii	2-81-19	Providing & fixing 160 to 250 Amps, (Adjustable - High Breaking Capacity) 4 Pole circuit breaker fixed on existing board, i/c inter-connection as required.	Each	1	28,050.00	28,050.00
B		MDB				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing, vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	6	2,420.00	14,520.00
ii	2-81-04	Providing & fixing 10 to 60 Amps, (High Breaking Capacity) T.P MCCB fixed on existing board, i/c inter-connection as required.	Each	4	4,576.00	18,304.00
iii	2-81-19	Providing & fixing 160 to 250 Amps, (Adjustable - High Breaking Capacity) 4 Pole circuit breaker fixed on existing board, i/c inter-connection as required.	Each	1	28,050.00	28,050.00
C		DISTRIBUTION BOARD GROUND FLOOR LIGHT				





**ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT**

**BILL OF QUANTITIES
ELECTRICAL WORK**

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	21	418.00	8,778.00
D		DISTRIBUTION BOARD GROUND FLOOR POWER				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	18	418.00	7,524.00
E		DISTRIBUTION BOARD GROUND FLOOR AC				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00





**ESTABLISHMENT OF POST-GRADUATE
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BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	17	418.00	7,106.00
F		DISTRIBUTION BOARD FIRST FLOOR LIGHT				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	21	418.00	8,778.00
G		DISTRIBUTION BOARD FIRST FLOOR POWER				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	18	418.00	7,524.00
H		DISTRIBUTION BOARD FIRST FLOOR AC				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00





**ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT**

BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	24	418.00	10,032.00
I		DISTRIBUTION BOARD SECOND FLOOR LIGHT				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	21	418.00	8,778.00
J		DISTRIBUTION BOARD SECOND FLOOR POWER				
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangment as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board , I/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , I/c inter-connection as required.	Each	18	418.00	7,524.00
K		DISTRIBUTION BOARD SECOND FLOOR AC				





**ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT**

BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
i	2-83-01	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing, vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	P/Sft	4	2,420.00	9,680.00
ii	2-81-06	Providing & fixing 10 to 60 Amps, (High Breaking Capacity) T.P MCCB fixed on existing board, i/c inter-connection as required.	Each	1	4,576.00	4,576.00
iii	2-81-01	Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board, i/c inter-connection as required.	Each	24	418.00	10,032.00
Total of L.V Switch Gears						344,432.00
7-1 ADDRESSABLE FIRE ALARM SYSTEM						
29	7'-1-01	Providing and fixing, testing and commissioning of 02 loop analogue fire control panel surface /recessed mounting type with full switching programming capabilities, system suitable operation of 230 volts 50hz with full functionality as per specification of manufacturer allied components. with T&P etc and as per specific drawing imported approved make /model or as approved by the engineer in-charge as required.	JOB	1	211,608.00	211,608.00
30	7'-1-03	Providing and fixing, testing and commissioning of analogue addressable ionization smoke detector with addressable base with full functioning switching programming capabilities, system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required.	JOB	79	5,972.00	471,788.00

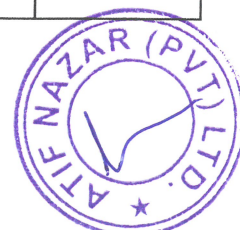




**ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT**

**BILL OF QUANTITIES
ELECTRICAL WORK**

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
31	7'-1-04	Providing and fixing, testing and commissioning of analogue addressable ionization heat detector with addressable base with full functioning switching programming capabilities ,system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required.	JOB	1	5,808.00	5,808.00
32	7'-1-05	Providing and fixing, testing and commissioning of addressable manual brake glass unit with addressable base with full functioning switching programming capabilities ,system as per specification & recommended of drawing / manufacturer with allied components with T&P etc imported approved make/model or as approved by the engineer in-charge as required.	JOB	9	5,682.00	51,138.00
33	7'-1-06	Providing and fixing, testing and commissioning of addressable electronic sounder unit with addressable base with full functioning switching programming capabilities ,system as per specification & recommended of drawing / manufacturer with allied components with T&P etc approved make/model or as approved by the engineer in-charge as required.	JOB	9	8,755.00	78,795.00
Total Of Addressable Fire Alarm System						819,137.00
34	5-12	Centrifugal Pumping Set				
a	5-12-02	Providing & fixing centrifugal pumping set complete with AC 2 HP 2900 RPM 220V 50 cycle motor attached with centrifugal pump having suction & discharge 1 ½ " x 1 ½ " coupled on a common base plate as approved .	Each	2	7,947.00	15,894.00
Total Of Centrifugal Pumping Set Shedule RS :						15,894.00
TOTAL OF SCHEDULE ITEM						3,078,335.58
35		INDUSTRIAL SOCKET				
a	N.S.I	Socket outlet industrial 380/400 volts, 3 phase, neutral and earth, water protected 32 Amps, S/F.	Nos.	3		





ESTABLISHMENT OF POST-GRADUATE
STUDENTS HOSTEL, AT PAQSJIMS, GAMBAT

BILL OF QUANTITIES
ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
		Total Of INDUSTRIAL SOCKET Non Shedule RS :				
36		LIGHT FIXTURES				
		Supply & Installation of following light fixtures complete with lamps, starters, holders, electronic ballast etc including hangers, supports & all mounting / fixing accessories, complete in all respect & as per approval of engineer incharge.				
a	N.S.I	12 Watt LED Ceiling light	Nos.	277		
b	N.S.I	18 Watt LED Ceiling light	Nos.	294		
c	N.S.I	Mirror light	Nos.	56		
d	N.S.I	Wall Bracket Light 18 watts	Nos.	64		
		Total Of LIGHT FIXTURES Non Shedule RS :				
37		COMMUNICATION				
a	N.S.I	Supply, pulling & fluke testing of Data or Voice cables in PVC Pipe, including labeling at both ends as per drawings.				
b	N.S.I	Supply & Installation of Cat-5E UTP Cable	Mtr	50		
c	N.S.I	Supply, installation and connecting of telephone Junction box 1.5 mm MS sheet steal fabricated, 120 micron powder coated, surface mounted or concealed in wall with locking arrangements and comprising with 2x16 pairs tag blocks.	Nos.	1		
		Total Of COMMUNICATION Non Shedule RS :				
38		Cable TV System.				
a	N.S.I	Supply, pulling & testing of following Cable TV wiring in 20mm dia PVC Pipe including labelling at both ends. Co-axial cable double shielded RG-6 B/U	Mtr	1690		
		FIRE RESISTANT CABLE				





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**BILL OF QUANTITIES
ELECTRICAL WORK**

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
b	N.S.I	Supply & Installation of Wiring with 2 X 1.5 sqmm fire resistant cables for Conventional Fire Alarm system in 20mm dia PVC conduit clipped to be surface or concealed in building fabric, including labelling at both ends, complete as per drawing.	Mtr	620		
		Total Of Cable TV & Fire Resistant Cable Non Shedule RS :				
39		NETWORKING				
i	N.S.I	Supply & Installation of Cat-6 UTP Cable	Meters	282		
ii	N.S.I	Supply & Installation of 1No RJ-45, CAT-6 I/O (Networking)	Nos.	13		
iii	N.S.I	Supply, Installation & termination of 24 port LAN Switch complete with all accessories.	Nos.	1		
iv	N.S.I	Supply, Installation & termination of Wifi Router 300 mbps complete with all accessories.	Nos.	9		
		Total Of NETWORKING Non Shedule RS :				
40		Security Camera				
i	N.S.I	Supply, Installation of 4 MP IR Bullet Camera	Nos	25		
ii	N.S.I	Supply, Installation Cat-6 UTP Cable (NETWORKING)	Meters	691		
iii	N.S.I	Supply, Installation of 32 Channel Network Video Recorder H.265+/H.265/H.264/H.264+, Connectable to the third-party network cameras, Up to 32 IP cameras can be connected, Recording @ 8 MP resolution, 1 SATA interface connectable for recording and backup.	No	1		
iv	N.S.I	Supply, Installation of Seagate 8TB Sata Hard disk drive	Nos	2		





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BILL OF QUANTITIES

ELECTRICAL WORK

S.No	Sub Head Code	Description	Units	Quantity	Rate (Rs)	Amount (Rs)
v	N.S.I	VMS Pro Software • Client/Server architecture, clients can add multiple servers • User-friendly UI design • Customizable user access levels • Support ONVIF • Support live view, playback and E-Map functions • Support D3D display mode • Support backup recording files • Support dual stream • Support 1/2/4/6/8/9/13/16/20/24/30/36/49/64 channels playing synchronously	No	1		
vi	N.S.I	Supply, Installation 24 Port D-Link POE switches	Nos	1		
vii	N.S.I	Testing & Commissioning	Job.	1		
viii	N.S.I	Providing, installing, & commissioning of LCD 49" Make: SAMSUNG . complete in all respect or as approved by the Engineer Incharge as required.	Nos	2		
		Total Of Security Camera Non Shedule RS :				
		TOTAL OF NON SHEDULE ITEM :				
		TOTAL OF SHEDULE ITEM :				3,078,335.58

