GIRLS'S HOSTEL (G+4), AKAL UNIVERSITY, TALWANDI SABO, BATHINDA						
						as per trust Rates
S.No.	**Item No.**	**DESCRIPTION**	**RATE**	**UNIT**	**QTY**	
		Earth Work				
1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means				
2	2.6.1	All kinds of soil		cum	2105.00	
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of		cum	1403.21	
4	16.3.9	Supplying and stacking at site.Good earth		cum	454.30	
5	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming,		cum	215.57	
6		**CONCRETE WORK**				
7	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost		cum	385.65	
8	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse		sqm	352.25	
9	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1		sqm	255.50	
10		**RCC WORK**				
11	5.1.2	Providing and laying in position specified grade of reinforced cement concrete,		cum	1033.25	
12	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters,		cum	380.56	
13	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to		cum	556.54	
14		**Centering and shuttering including strutting, propping etc.**				
15	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete		sqm	1524.00	
16	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string		sqm	1417.25	
17	5.9.3	Suspended floors, roofs, landings, balconies and access platform		sqm	3682.00	
18	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts		sqm	3220.36	
19	5.9.7	Stairs, (excluding landings) except spiralstaircases		sqm	899.54	
20	5.9.19	Weather shade, Chajjas, corbels etc., including edges		sqm	510.25	
21	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing		Kg	174312.11	
22		**MASONRY WORK**				
23	6.4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:4 (1 cement : 4 coarse sand)		cum	196.35	
24	6.47	Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).		cum	884.56	
25		**STONE WORK**				
26	8.10.2	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size		sqm	0.00	
27	8.2.2.2	Area of slab over 0.50 sqm		sqm	150.45	
28		**ALUMINIUM WORK**				
29	10.14	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured				
30	10.14.3.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)		metre	1328	
31		Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non- decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
32	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws		sqm	280.50	
33	9.147.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
34	9.147.A4.3	Using R4 series with frame (115 mm & above) x (45 mm & above) & both glazed and fly screen sash (44 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated		sqm	293.50	

35	9.147.C2	Fixed window / ventilator with mullion / transom				
36	9.147.C2.2	Using R2 series with frame (39 mm & above) x (39 mm & above) & mullion (39 mm & above) x (60 mm & above). (Height upto 1.2 metre)		sqm	85.56	
37	21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by		metre	560.15	
38		**GLASS WORK**				
39	21.3.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and		sqm	478.87	
40	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved		sqm	46.49	
41		**DOOR HARDWARE**				
42	9.97.3	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not		each	280.00	
43	21.4.1	Providing and fixing double action hydraulic floor spring of approved brand and		each	20.00	
44	9.101.2	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised		each	190.00	
45	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm		each	320.00	
46		**STEEL WORK**				
47	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,		kg	2254.36	
48		**FLOORING WORK**				
49	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by		sqm	3234.56	
50	11.46.2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by		sqm	321.25	
51	11.40	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more		sqm	434.25	
52	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622		sqm	745.24	
53						
54		Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout				
55	11.48.2	Size of Tile 600x600 mm		sqmt	3556.24	
56		**FINISHING WORK**				
57	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)		sqm	14315.25	
58	13.3.1	20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand)		sqm	2733.30	
59						
60		**PAINTING**				
61	13.80	Providing and applying white cement based putty of average thickness 1 mm, of		sqm	17048.52	
62	13.85	Applying priming coats with primer of approved brand and manufacture,				
63	13.85.3	With water thinnable cement primer on wall surface having		sqm	17048.52	
64	13.83.2	Wall painting with premium acrylic emulsion paint of interior grade, having VOC		sqm	14315.25	
65	13.45.1	Finishing walls with textured exterior paint of required shade : New work (Two or		sqm	2733.30	
66	13.68.1	French spirit polishing :Two or more coats on new works including a coat of wood		sqm	228.24	
67		**SANITARY INSTALLATIONS**				
68	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type)		each	45.00	
69		Providing and fixing white vitreous china flat back half stall urinal of size				
70	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern		each	0.00	
71	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and		each	45.00	
72	17.1.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32		each	45.00	
73	17.28.1.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste		each	45.00	
74	17.34.1	Providing and fixing toilet paper holder :Cp brass		each	45.00	
75	18.49.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931		each	45.00	
76	18.51.1	Providing and fixing C.P. brass long body bib cock of approved quality conforming to		each	40.00	
77	18.53.1	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of		each	265.00	
78	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats		each	45.00	
79	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth		each	45.00	
80		**WATER SUPPLY SYSTEM**				
81		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal				
82	18.8.1	15 mm nominal outer dia Pipes		metre	310.20	
83	18.8.2	20 mm nominal outer dia Pipes		metre	150.36	
84	18.8.3	25 mm nominal outer dia Pipes		metre	140.36	
85		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal				
86		External work				
87	18.9.6	50 mm nominal outer dia Pipes		metre	240.50	
88	18.9.8	80 mm nominal inner dia Pipes		metre	230.50	
89						
90		**SOIL & WASTE PIPE**				

91	17.35.1.3	Providing and fixing soil, waste and vent pipes : Hubless centrifugally cast (spun) iron		metre	150.00	
92	17.35.2.3	Providing and fixing soil, waste and vent pipes : Hubless centrifugally cast		metre	120.00	
93		Providing and fixing plain bend of required degree. Hubless centrifugally cast (spun)				
94		Bend of required degree with access door,				
95	17.39.1.3	100 mm dia		each	20.00	
96	17.39.2.3	75 mm dia		each	20.00	
97		Providing and fixing heel rest sanitary bend				
98	17.40.1.1	100 mm dia		each	10.00	
99	17.40.2.1	75 mm dia		each	10.00	
100		Providing and fixing single equal plain junction of required degree :75x75x75				
101	17.44.2.2	75x75x75 mm		each	20.00	
102						
103						
104		**NON SECHEDULE ITEMS**				
105	N.S	Supply and Fixastion of HPL Board Toilet Partations Incuding All Assecerioes		Nos	97.00	
106						
107		**SUBHEAD-1 : INTERNAL WIRING**				
108	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
109	1.3.1	Group A		Point	150.00	
110	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm				
111	1.3.2	Group B		Point	135.00	
112	1.1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm				
113	1.10.1	Group A		Point	55.00	
114	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm				
115	1.3.3	Group C		Point	142.00	
116	1.4	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated		Point	65.00	
117	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper				
118	1.17.11	2 x 2.5 sq. mm		M	4500.00	
119	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper				
120	1.17.1	1 x 1.5 sq. mm		M	11500.00	
121	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper				
122	1.17.20	2 x 4 sq. mm		M	2000.00	
123	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper				
124	1.17.29	2 x 6 sq. mm		M	1300.00	
125	1.17	Supplying and drawing following sizes of FRLS PVC insulated copper				
126	1.17.31	4 x 6 sq. mm		M	250.00	
127	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing		Each	330.00	
128	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch		Each	40.00	
129	1.24.3	15/16 amp switch		Each	250.00	
130	1.24.4	3 pin 5/6 amp socket outlet		Each	200.00	
131		**SUBHEAD-2 : FANS & LIGHT FIXTURES**				
132						
133	2.1	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal (Aluminum alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Ceiling Fan compliant to IS 374:2019 fan Supply, earthing etc. complete as req				
134	1.11	LED Batten light (System lumen efficacy >135 lm/Watt)				

135	1.11.1	Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85% ,Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range - 15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80 , Flicker free (flicker should be below 5 %), life time (LED,Driver & electrical circuitry), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6000°K/		Each	370.00	**0**
136	1.51	Extra for fixing the louvers/ shutters complete with frame for an exhaust fan of all		Each	145.00	**0**
137	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as		Each	7.00	**0**
138		**SUBHEAD-3 : DISTRIBUTION BOARDS**				
139	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel,				
140	2.4.3	8 way (4 + 24), Double door		Each	7.00	**0**
141	2.6.1	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 10 kA, “C” curve,		Each	175.00	**0**
142	2.14.3	Supplying and fixing following rating, double pole, (single phase		Each	8.00	**0**
143	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V,				
144	2.14.2	40A		Each	7.00	**0**
145	2.2	Providing and fixing following rating and breaking capacity and				
146	2.2.9	400 A, 25 KA,TPMCCB		Each	1.00	**0**
147		**SUBHEAD-7 : LIFT**				
148	PAR 2023 (4.1.1)	Lift Works for 8 passenger G+4		Each	1	**0**
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