

NAME OF WORK:- ESTIMATE FOR FINISHING WORK(PAINTING & POLISHING, ELECTRICAL WORKS, SANITARY & PLUMBING WORKS, MISC WORKS) OF HOSTEL BLOCK FOR SARSWATI VIDYA MANDIR SCHOOL ,VIKAS NAGAR,DISTT. SHIMLA H.P

SH- Finishing					
1	Distempering with oil bound distemper of approved manufacturer, of required shade and colour complete, as per <u>manufacturer's specification.</u>				
a)	Two or more coats on new work.	7475.00	Sqm		
2	Finishing walls with weather proof exterior paint of required shade :				
a)	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).	2880.00	Sqm		
3	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
a)	Two or more coats on new work.	1423.00	Sqm		
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	7475.00	Sqm		
SH-Sanitary Installation					
5	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required				
a)	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	22.00	Nos.		
6	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
a)	W.C. pan with ISI marked white solid plastic seat and lid	12.00	Nos.		
7	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with fittings including painting of fittings and cutting and making good the walls and floors <u>wherever required :</u>				
a)	Single half stall urinal	14.00	Nos.		
8	Providing and fixing Stainless Steel A Isis 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
a)	Kitchen sink without drain board				
(i)	610x510 mm bowl depth 200 mm.	2.00	Nos.		
9	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
a)	Flexible pipe				
(i)	32 mm dia	22.00	Nos.		
(ii)	40 mm dia	22.00	Nos.		
10	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws <u>and washers complete.</u>	25.00	Nos.		
11	Providing and fixing soil, waste and vent pvc pipes :				

a)	100 mm dia.				
(i)	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989.	200.00	M		
12	Providing and fixing M.S. holder-bat clamps of approved design to pvc pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
a)	For 100 mm dia. Pipe	40.00	Nos.		
13	Providing and fixing pvc bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
a)	100 mm dia				
(i)	pvc	60.00	Nos.		
14	Providing and fixing plain bend of required degree.				
a)	100 mm dia				
(i)	pvc bend	40.00	Nos.		
15	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
a)	100x100x100 mm				
(i)	pvc	30.00	Nos.		
16	Providing and fixing single equal plain junction of required degree :				
a)	100x100x100 mm				
(i)	pvc	50.00	Nos.		
17	Providing and fixing pvc off sets				
a)	150 mm off sets				
(i)	With 100 mm dia Pipe	22.00	Nos.		
18	Providing and fixing collar:				
a)	100 mm				
(i)	pvc	40.00	Nos.		
19	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
a)	100 mm inlet and 100 mm outlet				
(i)	pvc	105.00	Nos.		
20	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with a minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	35.00	Nos.		
21	Providing and fixing M.S. holder bat clamp of approved design.				
a)	Total bracket length 580 mm of approved shape and design (for single 100 mm dia pipe).	85.00	Nos.		
22	Providing and fixing white vitreous china wash basin of size 520 X 450 mm as per the direction of the Engineer-in-charge	26.00	Nos.		
23	Providing & Fixing Soap Dish	56.00	Nos.		
	SH-Water Supply.				
24	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. : Internal work – Exposed on wall.				
a)	20 mm dia. nominal bore	90.00	Metre		

25	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe including painting with anticorrosive bitumastic paint, cutting chases and making good the wall:				
a)	15 mm dia. nominal bore	180.00	Metre		
26	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. : External work				
a)	20 mm dia. nominal bore	100.00	Metre		
27	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
a)	25 mm nominal bore	8.00	Nos.		
28	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
a)	20 mm nominal bore	16.00	Nos.		
29	Providing and fixing uplasticised PVC connection pipe with brass unions :				
a)	30 cm length				
(i)	15 mm nominal bore	130.00	Nos.		
30	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :				
a)	20 mm diameter pipe	200.00	Metre		
b)	25 mm diameter pipe	100.00	Metre		
31	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
a)	Circular tank	14000.00	Litre		
32	Providing and fixing 15 mm nominal bore Nova or equivalent make CP brass long Bib Cock with flange all complete as per the direction of the Engineer-in-charge.	36.00	Nos.		
33	Providing and fixing 15 mm nominal bore of Nova or equivalent make CP brass small Bib Cock with flange all complete as per the direction of the Engineer-in-charge.	60.00	Nos.		
34	Providing and fixing 115 mm dia of Nova or equivalent make CP brass Angle Cock with flange all complete as per the direction of the Engineer-in-charge.	126.00	Nos.		
35	Providing and fixing 115 mm dia of Nova or equivalent make CP brass Mixer all complete as per the direction of the Engineer-in-charge.	50.00	Nos.		
	SH- Drainage.				
36	Providing, laying and jointing pvc pipe with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
a)	100 mm diameter	130.00	M		
b)	150 mm diameter	350.00	M		
37	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:				
a)	100 mm diameter S.W. pipe	130.00	M		
b)	150 mm diameter S.W. pipe	175.00	M		

38	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
a)	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
(i)	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	10.00	Nos.		
39	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete :				
a)	For pipes 100 to 250 mm diameter	1.00	No.		
40	Providing and making of gully trap	16.00	Nos.		
	SH: Electrical works				
	SUB HEAD-I (Wiring)				
41	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required complete with penta series of anchor switch or equivalent .	1150	Points		
42	Wiring for Power point with 2.5 sq.mm FR 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. FR PVC insulated copper conductor single core cable etc as required complete with penta series of anchor switch or equivalent .	120	Points		
43	Providing and laying 4.0 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, as required complete with of anchor or equivalent .	180	mt		
44	Providing and laying 6.0 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, as required complete of anchor or equivalent .	180	mt		
	TOTAL for SH-I				
	SUB HEAD-II (Distribution Boards & MCBs)				
45	Supplying and fixing following way D.E.P.utility distribution board(s) of sheet steel on surface/ recess inclusive of tinned copper bus bar, common neutral bus bar, earth bar, din bar, Loose wire box, interconnection, powder painted including earthing etc as required. (but without MCB/ RCCB/ Isolator).				
a)	16 Way, Double Door SP&N (M/s HAVELLS DHDPHODPW08 or Equivalent Similar Superior Make)	4	No.		

46	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	a) 5 amps to 32 amps, 240 volts Single pole.	256	Nos.		
47	Earthing with copper plate etc. complete	5	Nos.		
				Total:	