

SCHEDULE OF QUANTITY				Estimated Cost :- Rs.	450604.00
NAME OF WORK: Augmentaqtion of IPH Colony Barsar in Tehsil Barsar Distt. Hamirpur.				EarnestMoney :- Rs.	9012.00
(SUB HEAD:- Providing roofing to IPH Sub Division Office building with pre painted sheets)				Time	3 Months
S.No.	Description of item	Quantity	Rate in	Unit	Amount
			Fig	W ords	
1	Providing and laying cement concrete work 1:2:4(1cement:2 sand: 4 graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in:-				
	Independent piers columns and pillars upto floor two level complete in all respects in all leads and lifts.	0.50		cum	
2	Fixing of G.I. Pipe 100mm dia light grade to support the truss work including cutting, welding complete in all respects in all leads and lifts.	36.60		rmt	
3	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyster (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accesoriees as required as per the direction of Engineer-in-charge complete in all respects in all leads and lifts.	110.80		sqmt	
4	Providing and fixing flushing 38cm overall with 0.60mm thick prepainted sheet in roofing with hot dipped metalic zinc coated sheet with top coat of regular modified polyster organic coating of 20 microns over 5 microns primer coating + back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia meter & prepainted G.I.limpet & bitumen washers complete with all accessories as required as per the direction of Engineer-in-Charge complete in all respects in all leads and lifts.	28.30		sqmt	
5	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid sepately)complete in all respects in all leads and lifts.	31.10		sqmt	
6	Steel work welded in built up sections, trusses and framed work including cutting,hoistingfixing in position and applying a priming coat of red lead paint in grating framed guard bars, ladders railing, brackets and similar work including all leads and lifts complete.	2553.13		kg	

7	Providing and fixing 5 mm thick plain asbestos cement sheet ceiling of approved quality with butt jointing and wood screws (frame work and cover fillets to be measured and paid for separately) including all leads and lifts complete.	77.50			sqmt	
8	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete including all leads and lifts complete	108.60			sqmt	
9	Painting two coats (excluding priming cost on new steel and other metal surfaces eith enamel paint brushin to give an even shade including cleaning the surface of all dirt,dust and other foregin matters Enamel paint other than white including all leads and lifts complete	108.60			sqmt	

SCHEDULE OF QUANTITY				Estimated Cost :- Rs.	453203.00
NAME OF WORK: Augmentaqtion of IPH Colony Barsar in Tehsil Barsar				EarnestMoney :- Rs.	9064.00
(SUB HEAD:- C/O additional alteration to Executive engineer residence at Mehre)				Time	3 Months
S.No.	Description of item	Quantity	Rate in		Unit
			Fig	W ords	Amount
1	Excavation in foundation and trenches etc.(in pipes and pits) in all kinds of soils such as pick work, jumper work, blasting in soft/hard rock, chiselling/wedging out of rock/where blasting prohibited) saturated soil stacking the excavated soil as directed by the Engineer-in-charge clear from the edge of excavation and then returning the stacked soil in 15cm layers when required into plinth sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed by the Engineer –in-charge in all leads and lifts.	14.98			Cum
2	Providing and laying cement concrete 1:4:8(1Cement: 4sand:8 graded stone aggregate 40mm nominal size) and curing complete excluding the cost of form work foundation and plinth in all leads and lifts	1.73			Cum
3	Providing form work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm, so as to give a fair finish including centring, shuttering , strutting and propping etc. with wooden battens and ballies height of propping and centering below supporting floor to ceiling not exceeding 4meters and removal of the same for insitu reinforced concrete and plain.				
a)	Vertical surfaces such as wall (any thick.)as well as circular or curved in plan partitions & the like including attached pillasters, buttresses,plinth & string courses & the like.	93.85			Sqm
b)	Flat surfaces such as soffits of suspended floors, roofs, landings and the like floors upto 200mm in thickness.	189.13			Sqm
4	Providing and laying cement concrete work 1:1.5:3(1cement:1.5 sand: 3 graded stone aggregate 20mm nominal size) and curing complete excluding the cost of form work and reinforcement for reinforced concrete work in:-				
	Suspended floors, roofs, landings and shelves and their supports, balconies, beams ,griders bressumers and cantilevers upto all floor level.	0.31			Cum
5	#REF!				
	Columns, pillars posts and struts upto floor two level in all leads a	11.95			Cum
	Suspended floors, roofs, landings and shelves and their supports, balconies, beams ,griders bressumers and cantilevers upto all floor level in all leads and lifts.	19.08			Cum

6	Providing Tor steel reinforcement for RCC work including bending, binding & placing in position complete upto floor two level in all leads and lifts..	2820.60			Kg	
7	Brick work using common burnt clay building bricks (IInd class) in super structure above plinth level upto floor two level in cement mortar 1:6 (1 cement:6 sand) in all leads and lifts.	7.64			Cum	
8	6 mm cement plaster to ceiling in CM 1:3 (1 Cement :3 Sand) in all leads and lifts.	213.13			Sqm	
9	15mm cement plaster in single coat of rough sides of bricks/concrete stone walls for interior plastering upto floor two level including arrises internal rounded angles chamfer and rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1 cement:6 sand) in all leads and lifts	46.19			Sqm	
10	20 mm cement plaster in single coat of rough sides of bricks/concrete stone walls for interior plastering upto floor two level including arrises internal rounded angles chamber and rounded angles not exceeding 80mm in girth and finished even and smooth in cement mortar 1:6(1 cement:6 sand) in all leads and lifts.	36.96			Sqm	
11	Providing wood work in frames of doors, windows and other frames wrought framed and fixed in position with second class deodar wood in all leads and lifts.	0.47			Cum	
12	Providing and fixing wood paneled glazed or paneled and glazed shutters for doors, windows and clear story 40mm thick windows including bright finished black enameled iron with necessary screws with second class deodar wood 40mm thick in all leads and lifts.	6.73			Sqm	
13	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestorey windows including bright finished black enamelled iron hinges with necessary screws in all leads and lifts.	4.55			Sqm	
14	Providing and fixing M.S. grill of required pattern in wooden frames of windows etc. with M.S. flat square or rounded with round head nuts and bolts or by screwed complete in all leads and lifts.	158.62			Kg	
15	Applying priming coat over new wood and wood based surface after and including preparing the surface by thoroughly cleaning oil dirt grease and other foreign matter sand papering and knotting ready mixed paint brushing wood primer pink in all leads and lifts.	10.09			Sqm	
16	Painting two coats (excluding priming coat) on new wood and wood based surface with ready mixed paint brushing the give and even shade including cleaning of all dirt dust and other foreign matter and sand papering and stopping with ready mixed paint other than white in all leads and lifts.	10.09			Sqm	

17	Finishing wall with water proof cement paint of approved brand and manufacturers and of required shade on undecorated wall surfaces (two coats) to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered material in all leads and lifts	36.96			Sqm	
18	Distempering two coat with oil bound washable distemper of approved brand and manufacturers of required shade of undecorated wall surfaces to give even shade over and including a priming coat with alkali-resistance primer of approved brand and manufacturer after throughly brushing the surface from motor dropping and other foreign matter and also including preparing the surface even and sand papering smooth priming coat with distemper primer in all leads and lifts.	259.32			Sqm	
19	Applying priming coat over new steel & other metal surfaces after & including preparing the surface by thoroughly cleaning oil grease dirt and other foreign matter and scoured with wire brushes fine steel wool scrapers and sand paper complete with ready mixed priming paint brushing red lead,Red-oxide/zinc oxide chrome in all respect as per direction and to the entire satisfaction of the Engineer-in-charge.	1.20			Sqm	
20	Painting two costs (excluding priming cost on new steel and other metal surfaces eith enamel paint brush in to give an even shade including cleaning the surface of all dirt,dust and other foregin matters enamel paint other than white complete in all respect as per direction and to the entire satisfaction of the Engineer-in-charge	1.20			Sqm	
21	Providing 40x3mm flat iron hold fast 40cm long including fixing to frame with 10mm dial meters bolts and nuts and wooden plug and embedding in cement mortar block 30x10x15cm (1:3:6 (1cement :3sand:6 graded stone aggregate 20mm nominal size.	18.00			each	
22	Providing and fixing M.S.fan clamp(Type-I of 16mm dial M.S. Bar bent to shape with hooked ends in RCC. Slab during laying including painting the exposed portion of loop all as per standard design complete.	2.00			each	
23	Providing and fixing following anodized aluminium fittings of anodized transparent and shade with necessary screw etc.complete					
	(a) Sliding door bolts 250x16mm.	1.00			each	
	(b-i) M.S. tower bolts (Barrel type) leads and lifts. 200x10mm.	1.0			each	
	(b-iii) M.S. tower bolts (Barrel type) leads and lifts. 100x10mm.	8.0			each	
	(c-i) M.S. handles 125mm dia	1.0			each	
	(c-ii) M.S. handles 100mm dia	8.0			each	

24	Cement concrete flooring 1:2:4(1cement:2sand:4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement (40mm thick) in all leads and lifts.	24			Sqm	
25	White glazed tiles 6 mm thick in flooring, treads of steps and landing laid on a bed of 12 mm thick cement mortar 1:3(1 cement :3 sand) finished with flush pointing in white cement. in all leads and lifts.	1.96			Sqm	
26	Providing and fixing accessories on wall face PVC waste pipe of 4mm (four milimetre) thick of supreme or its equivalent confirming to IS No. 13592-92 of the resistant chemical resistant and should be able to with stand temperature upto 60 and fitting the joint s all confirming to IS No. 14735-99 and shall be jointed to each other by rubber/ ring push fit jointing system a sealing ring and rubber lubricant adhesive Type-B and material shall be accompanied by a test certificate certifying the equality of material IS No. diamention and warranty in all leads andlifts.					
	Plain bend					
	110mm	4			each	
	Offset					
	110mm	22			each	
	Single euqal branch of required degree					
	110mm	9			each	
	Double euqal branch of required degree					
	110mm	4			each	
	Collar					
	110mm	22			each	
27	Providing and fixing of approved design to PVC pipes embedded in and including cement concrete block 10x10x10cms(Ten into ten into ten centimetre) of 1:2:4(1 cement :2sand :4 graded stoene aggregate 20mm nominal size and cost of curing holes and making then good the walls etc. in all leads and lifts.					
	110mm	12			each	
28	Providing and fixing PVC floor trap of self cleaning design complete including cost of cutting and making good the wall and floor complete in all leads and lifts.					
	110mm	13			each	
29	Providing and fixing viterouys Chain wash down water closet(Eurpean Type W.C pan) with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1(1 cement: 1sand) seat and cover to be paid for seperately complete in all leads and lifts. in all leads and lifts.					
	Ordinary closet or equivalent make	2			each	
	Anglo Indian Universal closet or equivalent make Parryware, Hind ware, Cera	3			each	

30	Providing and fixing 100mm dia PVC made of Finolex / Diplast/ Eupreme P or S trap for water closet(suring pan) including jointing the trap with the pan and soil pipe with approved adhesive complete in all leads and lifts. in all leads and lifts.	3			each	
31	Providing and fixing 10.00 liter (Ten liter) capacity PVC low level made of Parryware, Hind ware, Cera dual flushing cistern with a pair of brackets with fittings such as lead valve less sypon 15mm nominal size PVC ball valve with polythene float PVC handle unions and coupling for connections with inlet, outlet and overflow pipe 40mm dia PVC flush bend with cistern and closet (ov erflow pipe to be measured and paid for separately) complete in all leads and lifts.	6			each	
32	Providing and fixing mosquito proof coupling for over flwo pipe 25mm dia (over flow pipe to be apdi for seperately complete in all leads and lifts. in all leads and lifts.	7			each	
33	Providing and fixing plastic seat (Soild/ Hollow type) Parryware, Hind ware, Cera and cover for wash down water closet with C.P. brass hinges and rubber buffers(solid type white plastic seat and cover complete in all leads and lifts.	3			each	
34	Providing and fixing vitreous china flat back type size of side 430x260x350mm bowl pattern urinal including connecting the urinal with waste pipe by means of white lead mixed with chopped hemp(wase pipe tobe measured and paid for seperately) complete in all leads and lifts..	2			each	
35	Providing and fixing 5.00 liter (five liter) capacity Parryware, Hind ware, Cera capacity automatic flusing cistern with a pair of C.I. or M.S bracket complete with a pair of C.I. or M.S. bracket complete with fittings inlcluding C.I. symphonic apparatus mosquito proof lid C.P. brass union and coupling for connections with inlet, outlet and overfow pipes including cutting holdes and making good the same and over flow pipe to be measurement and paid for seperately complete in all leads and lifts.	2			each	
36	Providing and fixing 15mm nominal bore C.P. brass flush pipe/ spreaders for urinal with fitting such as unions clamps etc.(all C.P.) including cutting holes and making good the same complete in all leads and lifts.	4			each	
37	Providing and fixing flat back 550x400mm Parryware, Hind ware, Cera vitreous China wash basin with single hole for pillar tap with cast iron or mild steel brackets painted white including cutting holes and making good the same excluding fitting complete in all leads and lifts.	3			each	
38	Providing and fixing Parryware, Hind ware, Cera vitreous China peddestal for wash basin complete recessed at the back for reception pipe and fittings complete in all leads and lifts.	4			each	

39	Providing and fixing stainless steel sink made of AMC, Diamond 470x420mm with bowl depth 178mm of approved standard ISI make with drain board and C.P. waste with cast iron or mild brackets painted white including cutting holes in wall and making good the same but excluding fittings complete in all leads and lifts.	2			each	
40	Providing and fixing C.P. brass chain 50 cm long and rubber plugs 32mm dia for wash basin or sink complete in all leads and lifts.	7			each	
41	Providing and fixing 32mm dia C.P. brass waste (Heavy duty ISI marked IS 8931 & 8934) for wash basin or sink complete in all leads and lifts.	9			each	
42	Providing and fixing M.I Union made of Unik, KS, AMCO 32mm dia for wash basin & sink complete in all leads and lifts.	9			each	
43	Providing and fixing PVC S trap (heavy duty ISI marked IS 8931 & 8934) for wash basin & sink complete in all leads and lifts.	9			each	
44	Providing and fixing 32mm dia PVC waste pipe for wash basin & sink complete in all leads and lifts.	8			each	
45	Providing and fixing 100mm dia PTMT grating for floor or Nahani / gully floor trap complete in all leads and lifts.	9			each	
46	Providing and fixing 600x450 mm bevelled edge mirror made of Modi guard, Atul golden fist of superior glass mounted on 6mm thick AC sheet or plywood sheet and fixed to wooden plug with C.P. brass screws and washers complete in all leads and lifts.	6			each	

47	Providing and fixing 600x20 mm made of Jaguar, Jal Essess dia C.P. brass towel rail (Heavy duty ISI marked IS 8931 & 8934) complete with C.P. brass bracket fixed to wooden plugs with C.P. complete in all leads and lifts.	2			each	
48	Providing and fixing made of Jaguar, Jal,essess C.P.brass toilet paper holder complete in all leads and lifts.	2			each	
49	Providing and fixing made of Jaguar, Jal,essess glass container liquid soap container with C.P. brass laid and brackets fixed to wooden plugs with C.P. brass screws complete in all leads and lifts.	2			each	
49	Providing and fixing made of Jaguar, Jal,essess chromium plated brass saop disch with C.P. brass brackets fixed to wooden sleats with C.P. brass screws complete in all leads and lifts.	6			each	
50	Providing and fixing made of Jaguar, Jal,essess viterous China 600mmx300mm division plate for urinal complete in all leads and lifts.	2			each	
51	Providing and fixing made of Jaguar, Jal,essess C.P. brass bib tap (heavy duty ISI marked 8931 & 8934) 15mm dia complete in all leads and lifts.	11			each	
52	Providing and fixing made of Jaguar, Jal,essess C.P. brass pillar tap with capstan head (heavy duty ISI marked 8931 & 8934) 15mm dia complete in all leads and lifts.	7			each	
53	Providing and fixing made of Jaguar, Jal,essess C.P. brass stop cock with capstan head (heavy duty ISI marked 8931 & 8934) 15mm dia complete in all leads and lifts.	6			each	
54	Providing and fixing made of Jaguar, Jal,essess C.P. brass angle valve with capstan head (heavy duty ISI marked 8931 & 8934) 15mm dia complete in all leads and lifts.	15			each	
55	Providing and fixing 45 cm PVC connection pipe (heavy duty ISI marked 8931 & 8934) with brass union 15mm dia Finolex/ Diplast/ Supreme Nomiknal bore complete in all leads and lifts.	7			each	
	TERMS AND CONDITIONS					
1	The work will be executed as per HPPWD & IPH specifications and to the entire satisfaction of the Engineer-In-charge.					
2	Security, income tax will be deducted from each bill of the contractor as per clause No. 6 & 8.					
3	Nothing will be paid to the contractor for rejected work.					
4	The cement will be issued to the contractor @ Rs.270/- per bag & MS/tor steel 4910 /- per Qtl from Divisional store.					
5	The contractor will be responsible himself for watch and ward of the materials at site of work.					
6	All other material will be arranged by the contractor himself at his own cost.					
7	Crushed stone aggregate will be used for concrete work.					
8	Mechanical mixture and vibrator will be used for RCC work.					
9	Water will be arranged by the contractor at his own cost and risk.					
10	Material should be used of approved quarry.					
11	Contractor shall be responsible for watch and ward of material at site of work.					
12	The cost of employer provident fund(EPF) shall be included in the rares quoted by the firm/ contractors. The deposition of same will be firm/ contractor's responsibility.					
13	Labour cess @ 1% will be deducted from the running payments.					
14	The rate inclusive of all taxes including GST					