# Abstract of Cost

PART	Description	Amount
А	Amarak	
В	Dormitory	
С	Flats/Residential Apartments	
D	External PH works	
	Total Rs.	

Total amount in words:-

Signature of the contractor:

Date:

Address:

Seal:

### PART-A (Amarak)

S1. No	Description	Unit	Qty	Rate	Amount
I	Civil works				
1	Dismantling doors, windows and clearstorey windows (steel or				
	wood) shutters including chowkhats, archi-trave, holdfasts, etc;				
	complete and stacking the material at NCBS scrapyard etc.,				
	complete.				
	Of area 3 sqm and below	No	16.00		
			<u> </u>		
2	Dismantling the existing ceramic tile dadoing work/skirting laid in				
	cement mortor 1:4, inclusive of cement plaster upto a depth of 20				
	mm, shifting the debries from the work site upto a lead of 50 m and				
	as directed by Engineer In charge etc. complete				
	as directed by Engineer In charge etc., complete. For thick ness of tile 10mm to 25mm	Sqm	40.00		
		oqiii	10.00		
3	Demolishing brick work in cement mortar including stacking of	Cum	4.00		
	serviceable material and disposal of unserviceable material within				
	50m lead.				
					•
4	Dismantling stone slab flooring laid in cement mortar including	Sqm	26.00		
	stacking of serviceable material and disposal of unserviceable				
	materials within 50m lead.				
					r
5	Removing of roofing tiles including purlins, necessary chasing of	Sq.M	760.00		
	walls whereever necessary. Including stacking the removed				
	materials as directed by EIC				
6	Removing white or colour wash by scrapping, sand papering the	Sqm	1600.00		
0	Removing white or colour wash by scrapping, sand papering the	Sqm	1000.00		
	surface smooth including necessary repairs, etc complete.				
7	Dismantling the existing GI pipe line of 20 mm carefully with out	Rmt	15.00		
	damaging including removal of GI specials and stacking in position				
	as directed by Engineer In Charge etc., complete.				
					•
8	Earthwork in excavation by mechanical means (hydraulic	cum	15.00		
	excavator) / manual means for FOUNDATION TRENCHES /				
	Electrical trenches in ALL KINDS OF SOILS including dressing of				
	sides, ramming of bottom, disposing the surplus excavated				
	materials within a distance of 50m and lift 1.50m complete as per				
	specifications. (Disposed soil to be levelled by breaking clods if any				
	and neatly dressed).				
	NOTES FOR EARTHWORK ITEMS:				

S1. No	Description	Unit	Qty	Rate	Amount
	No working space shall be considered beyond the width of the foundation concrete (mud-mat) shown in the drawings. The contractor shall consider working space if required while quoting the rate. The quoted rate shall include the quantity of earthwork to be done for working space if required and also for re-filling the foundation. For payment, the measurement shall be restricted only to the foundation width shown in the drawings. No extra shall be permitted and measured for payment on account of working space / battering / benching for excavation and refilling around foundation.				
9	Filling available excavated approved earth (excluding rock) in trenches, sides of foundations, plinth, etc; in layers not exceeding 15cm depth breaking clods, consolidating each deposited layer by ramming, watering and dressing, etc; complete for lead up to 50m and all lifts etc., complete as per specifications.	cum	15.00		
10	POST-CONSTRUCTIONAL ANTITERMITE TREATMENT of junction of walls and floor (by drilling holes of 12mm dia 300mm apart at junction of wall and floor and injecting chemicals like Chloropyripos emulsifiable (IS 8944-1978) 20 EC, mixed with water in 1:19 ratio to achieve 1% concentration (i.e., 1 litre of chemical to 19 litres of water). The emulsion is injected till refusal or max 1 litre/hole till the soil underneath soaks and then holes are to be sealed).	rm	110.00		
11	POST-CONSTRUCTIONAL ANTITERMITE TREATMENT for doors/ windows chowkhats: Drilling holes of 6mm dia at 150mm c/c at downward angle of 45 <sup>o</sup> to be drilled and should cover the entire frame work and chemicals like Chloropyripos emulsifiable (IS 8944- 1978) 20 EC, mixed with water in 1:19 ratio to achieve 1% concentration (i.e., 1 litre of chemical to 19 litres of water). The emulsion is to be injected till refusal or maximum 1/2 litre/hole and then holes to be sealed.	rm	80.00		
12	POST-CONSTRUCTIONAL ANTITERMITE TREATMENT to entire floor area by drilling holes of 12mm dia at 300mm intervals both ways and injecting chemical till refusal or maximum 1 litre / hole till the soil underneath soaks using the Chemicals like Chloropyripos emulsifiable (IS 8944-1978) E.C 20% with 1% concentration mixed with water in 1:19 ratio (i.e., 1 litre of Chemical to 19 litres of water). The holes are to be plugged with CM 1:2 (cement : coarse sand) to match with the existing floor.	sqm	100.00		
13	Providing and constructing BRICK MASONRY in cement mortar as per mixes stipulated below using approved well burnt bricks of class designation (Classification as per IS 1077-1986) as specified below including raking out joints 10mm deep, scaffolding, curing, etc; complete as per specifications IN SUPERSTRUCTURE UPTO FLOOR FIVE LEVEL. (The mix ratio specified is for cement : coarse river sand) Using bricks of class designation '3.5' (minimum average compressive strength not less than 3.5N/sqmm) in cement mortar 1:6	Cu.M	3.00		

S1. No	Description	Unit	Qty	Rate	Amount
14	Providing and constructing HALF BRICK MASONRY				
	walls/partitions in following mixes using approved well burnt bricks of class designation (Classification as per IS 1077-1986) as				
	specified below, including scaffolding, raking out joints, curing, etc;				
	all as directed by the engineer-in-charge in SUPERSTRUCTURE				
	UPTO FLOOR FIVE LEVEL. (The mix ratio specified is for cement :				
	coarse river sand) Using bricks of class designation '3.5' (minimum average	Sq.M	10.00		
	compressive Strength not less than 3.5N/sqmm) in cement mortar	Sq.M	10.00		
	1:4				
15	Providing and laying cement concrete using 20mm nominal size				
	graded hard granite stone aggregate obtained from approved quarry				
	including compaction, finishing top surface to level, curing, cost of				
	formwork, etc; complete all as per specifications. Mix ratio specified				
	is for cement : coarse river sand : graded stone aggregate. IN				
	FOUNDATION AND PLINTH/SUB-BASE TO FLOORS.		1.00		
15.1	PCC 1:3:6	cum	1.00		
15.2	PCC 1:2:4	cum	1.00		
16	Providing and laying cement concrete using 20mm nominal size				[
10	graded hard granite stone aggregate obtained from approved quarry				
	including compaction, finishing top surface to level, curing but				
	excluding cost of formwork, etc; complete all as per specifications.				
	Mix ratio specified is for (cement : coarse river sand : graded stone				
	aggregate) In WALLS (any thickness), retaining walls, return walls				
	including attached pilasters, columns, piers, abutments, pilars,				
	posts, struts, buttresses, string or lacing courses, parapets up to				
	floor five level, with:				
16.1	PCC 1:3:6	cum	2.00		
16.2	PCC 1:2:4	cum	1.00		
17	Providing and laying cement concrete using graded hard granite				
	stone aggregate of 20mm nominal size obtained from approved				
	quarry including formwork, compaction, finishing, plastering the				
	concrete surface in CM 1:2 - 12mm thick, curing, etc; IN BED				
	BLOCKS, ANCHOR BLOCKS, WINDOW CILLS, COPING BLOCKS,				
	etc; up to floor five level complete all as per specifications. Mix ratio specified is for cement : coarse river sand : graded stone aggregate.				
	The work includes providing throating/ drip mould wherever				
	required as per standard engineering practice of size not be less				
	than 40mm X 15mm. The rate is inclusive for making drip mould &				
	no extra cost will be paid for.				
	PCC 1:3:6	cum	1.00		
18	Supplying, fabricationg, welding, fixing in position using	KG	3500		
10	bolting/welding/screwing/etc,. steel works in Tubler and other	UA	5500		
	sections of roof purlins, side supports, roof purlins/truss bracings				
	and tie runners, gutter supports, glazing supports and the like				
	fabricated as required at site including applying a priming coat of red oxide zinc chromate primer and painting with two coats of synthetic enamel paint, etc, at all leads and at all height.				

S1. No	Description	Unit	Qty	Rate	Amount
19	Providing and laying Ceramic tile flooring / dadoing of approved				
	quality, size, colour and thickness according to the dimensions of				
	tiles and having scratch hardness and other parameter conforming				
	to IS 15622, (Bell or Naveen or Spartek or Jhonson or Kajaria or				
	Somany or equivalent make) laid over a bed / backing as specified				
	below, with cement slurry at 3.30kg /sqm, close jointed and				
	pointed with matching white cement slurry mixed with approved				
	pigment and finishing to required level, curing etc., complete all as				
	per specification and as directed by engineer-in-charge at all floors.				
19.1	in flooring with approved colour floor tiles (Regular / plain or dark	Sqm	30.00		
	colour / glossy or mat series) size 300mm X 300mm as per IS				
	15622, over bed / backing of 20mm thick in CM 1:4.				
10.2	in dado with approved colour wall tiles (Regular / plain or dark	Sqm	35.00		1
19.4	colour / glossy or mat series) size 300mm X 450mm as per IS	Sqiii	33.00		
	15622, over a bed / backing of 12mm thick in CM 1:3.				
	NOTES FOR FLOORING ITEMS:				
	1) The brand name / local name specified for coloured marble /				
	slabs / granite stone slabs are meant for the approved quality				
	available in the region.				
	<ol> <li>White cement wherever specified for items shall be of Birla White or equivalent.</li> </ol>				
	3) The newly laid floor shall be protected with a layer of gypsum /				
	POP (Plaster of Paris) laid over a polythene sheet by covering the				
	entire finished surface as directed till the finished items like				
	painting / polishing etc. are completed inside the building. This				
	shall be done irrespective of whether mention has been made in the				
	individual flooring items or not at no extra cost.				
					ł
20	Providing and fixing seasoned, first class TEAK WOOD FRAMED $\&$				
	BATTENED DOOR shutters, frame made with teak wood with				
	12mm deep grooves to fit in the teak wood battens of thickness as				
	specified below with uniform width varying between 75mm to				
	100mm with minimum 12mm rebated / tongue and grooved joints				
	excluding cost of builder's hardware but including labour for fixing				
	the same, etc; complete all as shown in drawing and as per				
	specifications.		10.00		
	Using 25mm thick teak wood battens, styles 100mm wide, top rail 100mm wide, lock rail and bottom rail 200mm wide in single	sqm	10.00		
	shutters, 35mm thick shutter				
					·
21	Providing and fixing FULLY GLAZED TEAK WOOD WINDOWS /				
	VENTILATORS / CLEARE- STOREY WINDOWS with openable				
	shutters 30mm thick as per standard drawings using seasoned				
	First class teak wood for styles, rails and Teak wood beading of				
	appropriate size. Styles and rails are 65mm wide, 30mm thick etc;				
	and glazing with plain glass / frosted glass of thicknesses as				
	specified below including cost of glass, teakwood, putty as required				
	and labour for fixing builder's hardware and locking arrangement,				
	etc; complete all as per specifications but excluding cost of builder's bardware and looking arrangements issued by the				
	builder's hardware and locking arrangements issued by the				
	department free of cost.				1

S1. No	Description	Unit	Qty	Rate	Amount
21.1	Single shutter using 4.5mm to 5.0mm thick plain glass. For	sqm	10.00		
	windows/ventilators				
21.2	Double shutter using 4.5mm to 5.0mm thick plain glass. For	sqm	10.00		
	windows/ventilators	-			
	· · ·				
22	Providing and fixing MS round or square guard bars at required	kg	25.00		
	spacing including welding, grinding, providing counter sunk holes				
	in the center frame for fixing the screws for wooden frames etc., of				
	windows / ventilators / clerestory windows, etc: complete all as per				
	drawings and directions of engineer-in-charge.				
23	Providing and fixing MS grills of required pattern in wooden / steel				
20	frames of windows, ventilators, clerestory windows, etc; with MS				
	flats, square or round bars with round headed bolts and nuts or by				
	screws, etc; complete all as per drawings and directions of engineer-				
	in-charge. The rate shall including applying a priming coat of red				
	oxide zinc chromate primer and painting with two coats of				
	synthetic enamel paint, etc,. at all leads and at all height.				
	Plain grill (with vertical, horizontal members or a combination of	kg	25.00		
	both)				
24	Providing second class seasoned TEAK WOOD in frames of doors,	cum	4.00		
	windows, ventilators, railings, architraves, beadings and other				
	frames etc; wrought, FRAMED & fixed in position with standard MS				
	hold fasts and concrete blocks of 1:3:6 mix or with MS Bolts / T.W				
	Plugs and G.I. Screws as required including tarring back of the				
	frames, etc; complete all as per specifications.				
25	Providing and fixing second class seasoned TEAK WOOD fully				
	FRAMED & PANELLED DOOR shutters panelled with 16mm thick				
	teak wood flat sunk panels with teak wood rails and styles, styles				
	100mm wide, top rail 100mm wide, lock and bottom rail 200mm				
	wide including labour for fixing builder's hardware and locking				
	arrangement etc; complete all as per specifications but excluding cost of builders hardware and locking arrangement issued with				
	screws by the department free of cost.				
	Double shutter 35mm thick	sqm	8.00		
0.5			1		
26	Providing and fixing SS (Grade 316) fly proof mesh of size $1/16"$ x	Sqm	15.00		
	24 gauge including fixing with first class seasoned teak wood (With				
	a maximum permissible moisture content 12%) beading of size 62 ${\rm x}$				
	19mm etc; complete all as per specifications				
	NOTES FOR WOOD WORKS:				
	Maximum permissible moisture contents in timber as per IS 287 of				
	1960 shall not exceed 12%.				

S1. No	Description	Unit	Qty	Rate	Amount
	Providing and fixing precoated galvanised iron profile(tile pattern)	sqm	760.00		
	sheetsof clay tile coloured roofing sheet (size, shape and pitch of				
	corrugation as approved by Engineer-in-charge) 0.50 mm (+0.05				
	%) total coated thickness with zinc coating 120 grams per sqm as				
	per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on				
	both side of the sheet and polyester top coat 15-18 microns.				
	Sheet should have protective guard film of 25 microns minimum				
	to avoid scratches during transportation and should be supplied in				
	single length upto 12 metre or as desired by Engineerin-charge.				
	The sheet shall be fixed using self drilling /self tapping screws of				
	size (5.5x 55 mm) with EPDM seal, complete upto any pitch in				
	horizontal/ vertical or curved surfaces, excluding the cost of				
	purlins, rafters and trusses and including cutting to size and shape				
	wherever required.		100.00		
27.1	Plain sheet for gutter/vally	sqm	100.00		
27.2	For ridges	sqm	50.00		
28	Providing and fixing using bolting, screwing, etc, 20mm thick	Mt	150.00		
	250mm deep Carved SECOND CLASS TEAK WOOD Eve Boards as				
	per existing shape and pattern including one coat of wood primer,				
	two coats of enamel paint, etc,. complete as per specification and				
	as directed by Engineer-in-charge at all levels and height.				
	as uncered by Engineer in charge at an iereis and neight.				
29	Plastering 20mm thick with cement mortar specified below finished				
	smooth with lime neeru, including scaffolding, curing, etc; complete				
	for INTERNAL SURFACES of stone masonry/brick masonry walls,				
	sills, jambs, etc; complete all as per specifications at all heights Mix				
	specified is for cement : fine sand.				
	with CM 1.6	Cam	15.00		
	with CM 1:6.	Sqm	15.00		
30	Plastering 20mm thick with cement mortar specified below finished	Sqm	20.00		
	smooth , including scaffolding, curing, etc; complete for INTERNAL				
	SURFACES of stone masonry/brick masonry walls, sills, jambs,				
	etc; complete all as per specifications at all heights Mix specified is				
	for cement : fine sand. NOTE: CM 1:3 OR CM 1:4 is generally				
	applicable for ceilings and RCC surfaces unless otherwise specified:				
,	with CM 1:6.				<u> </u>
31	Plastering 20mm thick with cement mortar specified below finished				
	rough including scaffolding, curing, etc; complete for EXTERNAL				
	SURFACES of stone masonry / brick masonry walls, sills, jambs,				
	soffits, etc; complete all as per specifications for heights up to 10m				
	above GL, mix specified is for cement : coarse river sand. with CM 1:6	sqm	50.00		
		1			·
32	Painting external plastered surfaces with two or more coats of	sqm	1250.00		
	100% acrylic exterior emulsion paint of approved make and colour				
	(weather coat of Berger or apcolite apex of Asian or equivalent)				
	having protection against fungal growth, flaking, fading, alkali and				
	UV degradation and to give an even shade with required finish				
	including cleaning the surfaces, applying one coat of primer, filling				
	the crevices with approved filler, scaffolding, etc., complete all as				
					1

S1. No	Description	Unit	Qty	Rate	Amount
			· · · ·		
33	Painting wood work with TWO or more coats of SYNTHETIC	Sqm	300.00		
	ENAMEL PAINT of I quality and approved colour to give an even shade over a coat of synthetic enamel primer including cleaning the				
	surfaces, filling the crevices with approved filler, applying a coat of				
	approved putty on whole surface and rubbing the surface to achive				
	desired smooth surface, scaffolding, etc; complete all as per				
	specifications. (Rate to include cost of synthetic enamel primer,				
	putty also).				
34	Painting steel work with TWO or more coats of SYNTHETIC	Sqm	25.00		
_	ENAMEL PAINT of first quality and approved colour to give an even	- 1			
	shade over a coat of red oxide zinc chromate primer including				
	cleaning the surfaces, applying a coat of approved putty on whole				
	surface and rubbing the surface to achieve desired smooth surface,				
	scaffolding, etc; complete all as per specifications (Rate to include				
	cost of zinc chromate primer, putty also).				
	cost of zine enfomate primer, putty alsoj.				
35	Providing and applying Wall PUTTY ( JK OR BIRLA PUTTY) over	sqm	1600.00		
	plastered surface to prepare the surface even and smooth complete.				
36	Painting internal plastered surfaces with two or more coats of	sqm	1600.00		
	Acrylic emulsion paint of approved brand and colour (Berger or				
	Asian or equivalent) to give an even shade with required finish over				
	a coat of water thinnable cement primer including cleaning the				
	surfaces, filling the crevices with approved filler, scaffolding,				
	etc.,complete all as per specifications.				
	• • • •				
37	Supplying & fixing of factory made composite door shutter with	Sqm	5.00		
	frame and single shutter manufactured by M/s. Fimen Fibre				
	Products Pvt. Ltd., or equivalent with door frame of size 70x50mm.				
	The door shutter shall be of rigid G.R.P sandwich composite structure of 26mm thick (minimum) laminated on all sides with				
	G.R.P skin fabricated using U.V. stabilized Isopthalic gel coat and				
	one layer of 450 GSM E glass chopped strand mat (CSM)				
	impregnated with polyster resin. The thickness of skins shall not				
	be less than 1.5mm.				
	Expanded polysterene structural foam panel of density 20kg/cum				
	shall be used as core material for the whole areas of door except				
	the wooden frame structure. The wooden reinforcements made of				
	seasoned salwood block of minimum cross section of 70x26 for lock				
	side 40x26 all round forming the framework for shutter and				
	minimum of 75mm wide intermediate strip for the width of the door				
	for fixing locks and fixture and shall confirm to IS-4020-1998. The				
	finish of the shutter be without grains and of approved colour etc.,				
	complete all as per manufacturers specifications at all heights.				

S1. No	Description	Unit	Qty	Rate	Amount
	NOTES FOR FINISHING WORKS:				
	Unless and otherwise specified:				
	1) Plaster mix specified is for cement : fine sand.				
	2) The wording "more coats" indicate the additional coats to be				
	painted, wherever the desired finish has not been achieved after				
	the application of the specified number of coats given. No extra				
	payment will be made for the additional coats required to be				
	rendered on account of the above.				
	3) Rates for all finishing items and lift charges from FFL / GL for all				
	heights, depths and levels.				
	4) All the RCC faces like beam, slab, lintels, columns, flush with				
	internal or external wall faces are plastered with CM 1:5 and				
	measured under wall plastering and not under item of CM 1:4 for				
	RCC surfaces.				
38	Providing and fixing at all heights / in all floors with all leads False				
	ceiling with false ceiling materials as specified, cut to shape and				
	size and in the required grid pattern supported on anodised				
	aluminium frame work of approved make consisting of Bulbed Tee				
	of section 23.5mm x 23.5mm x 1.5mm @ 0.212kg / m for wall				
	angles, cross tees and Bulbed Tee of section 36.5mm x 23.5mm x				
	1.5mm @ 0.267kg / m for main tees, including providing and fixing				
	MS tab hangers, 6mm diameter MS standard suspenders and				
	providing necessary openings and additional framework required				
	for light and A/C fittings and upturn as pelmet atends along walls				
	for return air in the false ceiling as required and painting the steel				
	work with one coat of red oxide zinc chromate primer, etc; complete				
	all as per specifications.				
	(i) Wooden blocks such as wooden gutty or rawl plugs should not				
	be placed in concrete as they will shrink and fall down in due				
	course when loads are applied. Hence anchor fasteners of 8mm				
	diameter to take SWL of not less than 200kg or MS box as detailed				
	below shall be used (ii) Mild steel hook of 6mm diameter and				
	approx 300mm long, welded to MS Box made out of 18 G MS Sheet				
	80mm diameter and 50mm high shall be provided in the slabs				
	before concreting of floor / roof slabs. The MS hook arrangement				
	shall be placed in the predetermined positions as per the false				
	ceiling details. (iii) The MS box and hooks shall be applied with 1				
	coat of red oxide zinc chromate primer before placing them in				
	position. The projected length of the rods beyond the MS Box shall				
	be suitably tied with the slab reinforcement. (iv) The location of Tab				
	hangers shall follow the false ceiling layout. (v) The Aluminium				
	anodisation for the aluminium extruded sections should be 15				
	micron thick.		600.00		
	Providing and fixing plain E-board sheets 6mm thick.	sqm	600.00		

51. Io	Description	Unit	Qty	Rate	Amount
II	PH Works				
39	Providing and Fixing European Water Closet Suite (with polymer	No	2.00		
	cistern) comprising of:				
	A) Best Indian make white glazed vitreous Chinaware European				
	water closet, with wash down pattern of approved make with trap				
	as mentioned below conforming IS 2556 Part-II bearing ISI mark				
	fixed to floor with necessary teak wood plugs, CP brass screws No.				
	8x37 etc.				
	B) 10 litre capacity approved quality and make polymer low level				
	flushing cistern with all internal fittings conforming to IS 7231				
	fixed to wall with necessary brackets, screws and plugs with				
	matching chromium plated flush bend.				
	C) 15mm heavy quality flexible PVC inlet connection with CP brass				
	hexagonal check nuts and washers at both ends.				
	D) white plastic seat and cover of approved make with CP pillar				
	hinges conforming to IS:2548				
	E) 15mm NB CP brass angle-cock/stop cock conforming to IS:781				
	of approved make with a minimum weight of 400gm on the inlet to				
	the cistern.				
	F) 15mm GI over flow pipe with CP brass mosquito proof jali and				
	ckecknuts.				
	Complete all as specified above with approved fittings. (Refer fig.				
	No. CED:PH:1.1 of specifications for PH Engineering works).				
10	Providing and Fixing Indian make wash hand basin (with CP bottle	No	4.00		
	trap) comprising of: A) Best Indian make white glazed vitreous				
	chinaware wash hand basin of approved make of size mentioned				
	below conforming to IS:2556 Part-IV with single tap hole and				
	bearing ISI mark supported on a pair of painted CI brackets				
	conforming to IS:775 B) One 15mm CP brass pillar cock of				
	approved make with hot or cold water indication as required				
	conforming to IS:1795 with minimum weight of 577gm. C) One				
	15mm heavy quality flexible PVC inlet pipe connection with CP				
	brass hexagonal check nuts with washer at both ends. D) One				
	15mm CP brass angle-cock/stop cock of approved make conforming				
	to IS:781 of approved make with a minimum weight of 400gm on				
	the inlet to the basin.				
	E) One 32mm heavy quality CP brass waste coupling with rubber				
	plug and CP chain. F) One 32mm heavy quality CP brass bottle trap				
	with extension piece and wall flange. G) One 32mm medium quality				
	GI waste pipe with specials from extension piece of the bottle trap				
	to the floor trap, length not exceeding 1 m concealed in wall. H)				
	One no. 40mm GI bend and 40mm dia 250mm long GI pipe				
	connection waste pipe to floor trap. All as per specifications and as				
	directed with approved fittingsSize 450X300mm				
1	Providing and Fixing in position stain less steel floor drainer with	No	4.00		
	popup, all as per specifications, site condition and directions of				
	Engineer - In - Charge etc complete.				
2	Supply and installation of Jaquar make -ALD-573 health foucet flex	No	2.00		
4		110	2.00		
	tube all as per specifications, site condition and directions of				
	Engineer - In - Charge etc complete.				

S1. No	Description	Unit	Qty	Rate	Amount
43	Supply, Laying and Fixing in position under floor, against wall in				
	chases PVC SWR Drainage pipes and specials, rubber rings				
	conforming to Type 'B' of IS:13592 'Supreme' or equivalent				
	approved make as per manufacturers specification including				
	cutting the pipes to required lengths, necessary excavation, chasing				
	and restoring to original conditions, testing etc. complete. (Specials				
	at junction of lateral pipe and vertical stack must have access door				
	for inspection)				
43.1	75mm dia (min wall thickness 3.2mm)	Rmt	10.00		
10.0			22.22		1
43.2	110mm dia (min wall thickness 3.2mm)	Rmt	20.00		
44	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes				
	(SDR 13.5) conforming to IS:15778, having thermal stability for hot				
	and cold water supply including all CPVC plain & brass threaded				
	fittings including fixing the pipe with clamps at 1.00m spacing.				
	This includes jointing of pipes and fittings with one step CPVC				
	solvent cement and cost of cutting chases and making good the				
	same with CM 1:3, including testing of joints complete as per				
	direction of engineer-in-charge etc., for CONCEALED WORKS with: CPVC pipes, 20mm outer dia	Rmt	10.00		
		Tenne	10.00		
45	Providing, laying and jointing unplasticized PVC pipes and specials				
	of working pressure as mentioned below conforming to IS:4985				
	including cost of necessary jointing materials, labour for excavation				
	of trenches, testing, refilling etc., complete all as per specifications. 6 kg/sqcm and 40mm OD	Rmt	25.00		
	0 kg/ sqciii and 40iiiii 0D	Kiitt	25.00		
46	Providing and fixing Approved make of double coat hook of jaquar	No	2.00		
	make CAN-1161N for toilet including necessary charges for				
	materials, labour etc., complete and as directed by E In C				
47	Providing and Fixing in position jaquar make AHS-1553 toilet paper	No	2.00		
	roll holder of approved make with necessary CP screws and				
	washers fixed to wall including cutting wall, fixing and making good				
	the surface etc, Complete all as specified and directed.				
	the surface etc, complete an as specified and directed.				
48	Providing and fixing the mirror of required shape and size	No	4.00		
	600x750mm with MS bracket of approved make including				
	necessary charges for bowled edge and polish, materials, labour				
	etc., complete and as directed by E In C				
49	Providing and fixing Jaquar make Connection hose pipes of ALD-	No	4.00		
	801B 600mm long including necessary charges for materials,				
	labour etc., complete and as directed by E In C				
					-
	(A) Amarak - Total Ar	nount (	Civil and	PH Works) Rs.	
Note:-	The contractor shall quote his rates in this schedule of quantity. Su	bmissio	n of tende	r in ant other fo	ormat is liable for
rejecti					

#### PART-B (Dormitory)

S1. No	Description	Unit	Qty	Rate	Amount
I	Civil Works:		~ •		
1	Demolishing brick work in cement mortar including stacking of	cum	20.00		
	serviceable material and disposal of unserviceable material				
	within 50m lead.				
2	Dismantling tile work in floors and roofs laid in cement				
2.1	including stacking material within 50m lead For Flooring	Sqm	30.00		
2.1	For Flooring	Sqiii	30.00		
2.2	For Dadoing	Sqm	160.00		
	0	1			
3	Providing and constructing HALF BRICK MASONRY				
	walls/partitions in following mixes using approved well burnt				
	bricks of class designation (Classification as per IS 1077-1986)				
	as specified below, including scaffolding, raking out joints,				
	curing, etc; all as directed by the engineer-in-charge in				
	SUPERSTRUCTURE UPTO FLOOR FIVE LEVEL. (The mix ratio				
3.1	specified is for cement : coarse river sand) Using bricks of class designation '3.5' (minimum average	Sqm	72.00		
0.1	compressive Strength not less than 3.5N/sqmm) in cement	oqiii	72.00		
	mortar 1:4				
4	Plastering 20mm thick with cement mortar specified below	Sqm	235.00		
	finished smooth with lime neeru, including scaffolding, curing,				
	etc; complete for INTERNAL SURFACES of stone masonry/brick				
	masonry walls, sills, jambs, etc; complete all as per				
	specifications at all heights Mix specified is for cement : fine				
	sand. NOTE: CM 1:3 OR CM 1:4 is generally applicable for				
	ceilings and RCC surfaces unless otherwise specified: with CM				
	1:6. EXLUDING LIME NEERU.				
5	Providing and laying Ceramic tile flooring / dadoing of approved				
-	quality, size, colour and thickness according to the dimensions				
	of tiles and having scratch hardness and other parameter				
	conforming to IS 15622, (Bell or Naveen or Spartek or Jhonson				
	or Kajaria or Somany or equivalent make) laid over a bed /				
	backing as specified below, with cement slurry at 3.30kg /sqm,				
	close jointed and pointed with matching white cement slurry				
	mixed with approved pigment and finishing to required level,				
	curing etc., complete all as per specification and as directed by				
5.1	engineer-in-charge at all floors. in flooring with approved colour floor tiles (Regular / plain or	Sam	32.00		
5.1	in nooring with approved colour noor thes (kegular / plain or	Sqm	32.00		
	dark colour / glossy or mat series) size 300mm X 300mm as				
	per IS 15622, over bed / backing of 20mm thick in CM 1:4.				
	per to 10022, over bet / backing of 20mm thee in CM 1.7.				
5.2	in dado with approved colour wall tiles (Regular / plain or dark	Sqm	145.00		
	colour / glospy or mot corres) size 200mm V 000mm or 10				
	colour / glossy or mat series) size 300mm X 200mm as per IS				
	15622, over a bed / backing of 12mm thick in CM 1:3.				

6       Supplying & Bing of factory made composite door shutter with       1         6       Supplying & Bing of factory made composite door shutter with       1         7       Bomm.The door shutter shall be of rigid GRP sandwich       0         1       sides with GRP skin fabricated using UV, stabilized toopthalic       1         1       gel cost and one layer of 450 GSM E glass chopped strand mat       1         1       GSM (mpregrated with polyester result. The thickness of skins       shall not be less than 1.5mm. Expanded polystyrers structural         1       fam panel of density 20K/cum shall be used as core material       for the whole areas of door except the wooden frame         structure.The wooden reinforcements made of seasoned       salwood block of minimum cross section of 70 x 26 for lock side         40 x 26 all round forming the framework for shutter and       hold or far fait plocks and fature and shall confirm to 18-020-         1998.The finish of the shutter be without grains and of       approved colour etc., complete all as per manufacturers         specifications at all heights.       Sgm       15.00         6       Supplying grain divide the polyster resin. The thickness of skins       shall not be less than 1.5mm. Expanded polystyrene structural         1       Sing inpregrated with polyster resin. The thickness of skins       shall not be less than 1.5mm. Expanded polystyrene structural         1       Sing in	Sl. No	Description	Unit	Qty	Rate	Amount
Products Pri, Lid., or equivalent with door frame of size 70 x         SOmm.The door shutter shall be of rigid GRP sandwich         composite structure of 30mm thick (minimu) laminated on all         sides with GRP skin fabricated using U.V. stabilized Isopthalic         gel coat and one layer of 450 GSM E glass chopped strand mat         (CSM) impregnated with polyester resin.The thickness of skins         shall not be less than 1.5mm. Expanded polystyres structural         form panel of density 2004kg/cum shall be used as core material         for the whole areas of door except the wooden frame         structure.The wooden reinforcements made of seasoned         salwood block of minimum cross section of 70 x 26 for lock side         40 x 26 all round forming the framework for shutter and         and minimum of 75mm wide intermediate strip for the width of the         door fraing locks and fature and shall confirm to 15-4020-         J098.The finish of the shutter be without grains and of         approved colour etc., complete all as per manufacturers         specifications at all heights.         6.1       Supplying 6 king of factory made composite door shutter with         Sqm       15.00         frame and single shutter who there frame star 70 x         Somm.The door shutter shall be of rigid GRP sandwich         composite structure of 26mm thick (minimun) laminated on all         sides with GRP sk		-				
S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 30mm thick (minimum) laminated on all sides with GRP skin fabricated using UV, stabilized Isophalic gel coat and one layer of 450 GSME glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural form he whole areas of door except the wooden frame structure.The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to 15.4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all brights.       Sqm       15.00         6.1       Supplying & fixing of factory made composite door shutter with composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 GSME glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foan panel of density 2004g/cun shall be used as core material for the whole areas of door except the wooden frame structure.The wooden structure at shall confirm to 18.4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and sking 02 thick polished Granite stone slab for weah basin counter anchered/fixied into the wall with matching pigment, laid to requirely edu, curing tec, complete all as per specifications and directions ofengineer-in-chargein all floors ar all heights.       Nos       9.00 <t< td=""><td></td><td>frame and single shutter manufactured by M/s. Fimen Fibre</td><td></td><td></td><td></td><td></td></t<>		frame and single shutter manufactured by M/s. Fimen Fibre				
composite structure of 30mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 GSM E glass chopped structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fhing locks and fixture and shall confirm to 15-4020-1099. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       Sqm       15.00         6.1       Supplying & fissing of factory made composite door shutter with composite structure of 240m thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 GSM E glass chopped straad mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polytyrene structural fam panel of density Queg/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to 13-4020-1995. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       7         7       Providing and heights Q1 thick polished Granite stone slab for required size, filling the gaps with cereent mortar 1:4 with matching pigment, laid to required size & shape for wash bas		Products Pvt. Ltd., or equivalent with door frame of size 70 x				
sides with GRP skin fabricated using U.V. stabilized Isopthalic         gel coat and one layer of 450 GSM E glass chopped straad mat         (CSM) impregnated with polyseter resin.The thickness of skins         shall not be less than 1.5mm. Expanded polystyrene structural         form panel of density 20Kg/cum shall be used as core material         for the whole areas of door except the wooden frame         structure.The wooden reinforcements made of seasoned         salwood block of minimum cross section of 70 x 26 for lock side         40 x 26 all round forming the framework for shutter and         minimum of 75mm wide inter manufacturers         specifications at all heights.         6.1       Supplying & finding of factory made composite door shutter with         frame and single shutter manufactured by M/s. Finner Fibre         Products Pvt. Ld., or equivalent with door frame of size 70 x         S0mm.The door shutter shall be of rigid GRP sandwich         composite structure of 26mm thick (minimum) laminated on all         sides with GRP skin fabricated using U.V. stabilized Isopthalic         gel coat and one layer of 450 GSM E glass chopped strand mat         (CSM) impregnated with polyseter resin.The thickness of skins         shall not be less than 1.5mm. Expanded polystyrene structural         fam panel of density 20kg/cum shall be used as core material         for the whole areas of door except the wooden frame <td></td> <td>50mm.The door shutter shall be of rigid GRP sandwich</td> <td></td> <td></td> <td></td> <td></td>		50mm.The door shutter shall be of rigid GRP sandwich				
gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 10908. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       Sqm       15.00         6.1       Supplying & fixing of factory made composite door shutter with composite structure of 26mm thick [minimum] laminated on all sides with GRP skin factorated using UV. stabilized Isophalic gel coat and one layer of 450 GSME glass chopped strand mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1099. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixed into the wall with necessary groove curting in the wall including curting to required size, filling the gaps with cement mortar 1:4 with matching pigment, list to required level, curing etc., complete all approved colour etc.,		composite structure of 30mm thick (minimum) laminated on all				
CSM impregnated with polyester resin. The thickness of akins shall not be less than 1.5mm. Expanded polystyrene structural form panel of density 2008/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 0 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to 15 4020-1998. The finish of the shutter be without grains and of spproved colour etc., complete all as per manufacturers specifications at all heights.       Sqm       15.00         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Finner Fibre Products Pvt. Ld., or equivalent with door frame of size 70 x SOmm. The door shutter ashall be of rigid GRP sandwich composite structure of 260m thick (minimum) laminated on all sides with GRP akin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 folc kide 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and hall confirm to 15.4020-1998. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fi		sides with GRP skin fabricated using U.V. stabilized Isopthalic				
shall not be less than 1.5mm. Expanded polystyrene structural       for the whole areas of door except the wooden frame         structure.The wooden reinforcements made of seasoned       salwood block of minimum cores section of 70 x 26 for lock side         40 x 26 all round forming the framework for shutter and       minimum of 75mm wide intermediate strip for the width of the         door for fixing locks and fixture and shall confirm to 18-4020-       1998.The finish of the shutter be without grains and of         approved colour etc., complete all as per manufacturers       specifications at all heights.         6.1       Supplying & faxing of factory made composite door shutter with or starter with composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 CSM E glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foram panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure.The wooden reinforcements made of seasoned salwood block of minimum and ramework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to 18-4020-1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone alab for wash basin counter anchored/field into the wall with necessary growe cutting in the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required		gel coat and one layer of 450 GSM E glass chopped strand mat				
feam panel of density 20kg/cum shall be used as core material       for the whole areas of door except the wooden frame         structure.The wooden reinforcements made of seasoned       salwood block of minimum cross section of 70 x 26 for lock side         40 x 26 all round forming the framework for shutter and       minimum of 75mm wide intermediate strip for the width of the         door for fixing locks and fixture and shall confirm to IS-4020-       1998.The finish of the shutter be without grains and of         approved colour etc., complete all as per manufacturers       Sqm         specifications at all heights.       Sqm         6.1       Supplying & fixing of factory made composite door shutter with       Sqm         frame and single shutter manufactured by M/s. Fimen Fibre       Products Pvt. Lad., or equivalent with door frame of size 70 x       Sqm         S0mm.The door shutter shall be of rigid CRP sandwich       composite structure of 260mm thick (minimum) laminated on all       sides with GRP skin fabricated using U.V. stabilized Isopthalic         gel coat and one layer of 450 GNS E glass chopped strand mat       (CSM) impregnated with polyester resin.The thickness of skins       shall not be less than 1.5mm. Expanded polystyrene structural         for the whole areas of door except the wooden frame       structure.The wooden reinforcements made of seasoned       salwood block of minimum cross section of 70 x 26 for lock side         40 x 26 all round forming the framework for shutter and       minimum of 75mm wide intermediate stri		(CSM) impregnated with polyester resin. The thickness of skins				
for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020-11998. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       Sqn       15.00         6.1       Supplying & fixing of factory made composite door shutter with Sqn       Sqn       15.00         frame and single shutter manufactured by M/s. Fimen Fibre Products Pvt. L4(, or equivalent with door frame of size 70 x 50mm. The door shutter with a for shift brief and the shift		shall not be less than 1.5mm. Expanded polystyrene structural				
structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1998. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       Sqm         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Finen Fibre Products Pvt. Ltd., or equivalent with door frame of size 70 x S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized lsopthalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediates trip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite store slab for wash basin counter anchored/fixied into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement mortar 14 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions ofengin						
salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         Sqm         15.00           6.1         Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/N. Finnen Fibre Products Pvt. Ltd., or equivalent with door frame of size 70 x S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 25mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isophtalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wordon frame structure.The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.           7         Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixed into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement motar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions ofengineer-in-chargein all floors at al						
40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020-1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers greeifications at all heights.       Sqn       15.00         6.1       Supplying & faxing of factory made composite door shutter with frame and single shutter manufactured by M/s. Finen Fibre Products Pvt. Ltd., or equivalent with door frame of size 70 x S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isophtalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 20 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020-1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixied into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions ofengineer-in-chargein all floors at all heights.       Nos       9.00						
minimum of 75mm wide intermediate strip for the width of the       door for fixing locks and fixture and shall confirm to IS-4020-1998. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers         specifications at all beights.       Sqm         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Fimen Fibre Products Pvt. Ltd., or equivalent with door frame of size 70 x 50mm. The door shutter shill be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isophtalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin. The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foar panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure. The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020-1998. The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixied into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions ofengineer-in-chargein all loors at all heights.       Sqm         8       Extra for pr		salwood block of minimum cross section of 70 x 26 for lock side				
door for fixing locks and fixture and shall confirm to IS-4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       Sqm       15.00         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Finen Fibe Products Pvt. Ltd., or equivalent with door frame of size 70 x S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isophtalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure.The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash baain counter anchored/fixied into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions ofengineer-in-chargein all floors at all heights.       sqm       15.00         8       Extra for providing opening of required size & shape for wash basins / kitchen piakf		40 x 26 all round forming the framework for shutter and				
1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.       Sqm         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Pinner Pibre Products Pvt. Ltd., or equivalent with door frame of size 70 x S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure.The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and ninimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020-11998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixied into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions of finished to even sqm       15.00         8       Extra for providing opening of required size & shape for wash hasins / kitchen platform, vanity counters and similar location in marble / stone work including necessary holes for pillar taps etc. including rubip		minimum of 75mm wide intermediate strip for the width of the				
approved colour etc., complete all as per manufacturers specifications at all heights.       Sqm       15.00         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Fimen Fibre Products Pvt. Ltd., or equivalent with door frame of size 70 x S0mm.The door shutter shall be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with 0RP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 OSM E glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20Kg/cum shall be used as core material for the whole areas of door except the wooden frame structure.The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wice intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020-11998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixed into the wall with necessary groove cutting in the wall including cutting to required laye, filling the gaps with cement mortar 1:4 with matching pigment, laid to required level, curing etc., complete all as per specifications and directions ofengineer-in-chargein all floors at all heights.         8       Extra for providing opening of required size & shape for wash hasin counter edges       Nos       9.00		_				
specifications at all heights.       Sqm         6.1       Supplying & fixing of factory made composite door shutter with frame and single shutter manufactured by M/s. Finen Fibre Products Pvt. Ltd., or equivalent with door frame of size 70 x SOmm.The door shutter shall be of rigid GRP sandwich composite structure of 26mm thick (minimum) laminated on all sides with GRP skin fabricated using U.V. stabilized Isopthalic gel coat and one layer of 450 GSM E glass chopped strand mat (CSM) impregnated with polyester resin.The thickness of skins shall not be less than 1.5mm. Expanded polystyrene structural foam panel of density 20kg/cum shall be used as core material for the whole areas of door except the wooden frame structure.The wooden reinforcements made of seasoned salwood block of minimum cross section of 70 x 26 for lock side 40 x 26 all round forming the framework for shutter and minimum of 75mm wide intermediate strip for the width of the door for fixing locks and fixture and shall confirm to IS-4020- 1998.The finish of the shutter be without grains and of approved colour etc., complete all as per manufacturers specifications at all heights.         7       Providing and laying 20 thick polished Granite stone slab for wash basin counter anchored/fixied into the wall with necessary groove cutting in the wall including cutting to required size, filling the gaps with cement mortar 1:4 with matchine polished on one side and other side finished to even surface and with machine cut edges       sqm       15.00         8       Extra for providing opening of required size & shape for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in marble / stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut       Nos       9.00						
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S1. No	Description	Unit	Qty	Rate	Amount
9	Extra for nosing in marble / granite stone for treads.	Rmt	15.00		
	Painting internal plastered surfaces with two or more coats of	Sqm	1600.00		
	super acrylic emulsion paint of approved brand and colour				
	(Berger or Asian or equivalent) to give an even shade with				
	required finish over a coat of water thinnable cement primer				
	including cleaning the surfaces, filling the crevices with				
	approved filler, scaffolding, etc., complete all as per specifications.				
	specifications.				
11	Painting external plastered surfaces with two or more coats of	Sqm	900.00		
	100% acrylic exterior emulsion paint of approved make and	_			
	colour (weather coat of Berger or apcolite apex of Asian or				
	equivalent) having protection against fungal growth, flaking,				
	fading, alkali and UV degradation and to give an even shade				
	with required finish including cleaning the surfaces, applying				
	one coat of primer, filling the crevices with approved filler,				
	scaffolding, etc., complete all as per specifications.				
12	Painting wood work/steel work with TWO or more coats of	sqm	400.00		
	SYNTHETIC ENAMEL PAINT of first quality and approved	oqiii			
	colour to give an even shade over a coat of red oxide zinc				
	-				
	chromate primer including cleaning the surfaces, applying a				
	coat of approved putty on whole surface and rubbing the				
	surface to achieve desired smooth surface, scaffolding, etc;				
	complete all as per specifications (Rate to include cost of zinc				
	chromate primer, putty also).				
13	Painting clay tile facing with deep orange synthetic enamel	Sqm	350.00		
		oqiii	000.00		
	paint diluted with turpentine oil in the proportion 1:8 to give an				
	even shade including cleaning the tiling with soft brushes to				
	remove the stains / fungi formation including scaffolding, etc;				
	complete as directed by the engineer-in-charge.				
					1
	Water proof cement plastering of thickness as specified below	sqm	50.00		
	in cement mortar 1:3 (cement : coarse river sand) mixed with				
	approved water proofing compound such as CICO or				
	ACCOPROOF or equivalent as per manufacturers specifications				
	including scaffolding, curing, etc; complete for EXTERNAL				
	SURFACES/toilet floor area all as per specifications for heights				
	up to 10m above GL.				
	Providing second class seasoned TEAK WOOD in frames of	Cum	4.00		
	doors, windows, ventilators, railings, architraves, beadings and				
	other frames etc; wrought, FRAMED & fixed in position with				
	standard MS hold fasts and concrete blocks of 1:3:6 mix or				
	with MS Bolts / T.W Plugs and G.I. Screws as required				
	including tarring back of the frames, etc; complete all as per specifications.				
	SUFCIDICATIONS.				1

S1. No	Description	Unit	Qty	Rate	Amount
16	Providing and laying cement concrete using 20mm nominal size				
	graded hard granite stone aggregate obtained from approved				
	quarry including compaction, finishing top surface to level,				
	curing, cost of formwork, etc; complete all as per specifications.				
	Mix ratio specified is for cement : coarse river sand : graded				
	stone aggregate.IN FOUNDATION AND PLINTH/SUB-BASE TO				
	FLOORS.				
	PCC 1:2:4	Cum	9.00		
17	Extra for mixing water proofing compound of approved quality				
17	and brand in RCC items with ROFFE HYPROOF manufactured				
	by M/s. ROFFE Construction Chemicals Pvt. Ltd. at 140ml per				
	50kg of cement or CONPLAST X 421 IC of Fosroc Chemicals Itd.				
	-				
	at 130ml per 50kg of cement or equivalent approved make				
	mixed with cement as per manufacturer's specifications etc.,				
	complete all as per specifications. (Rate to include the cost of				
	water proofing compound). PCC 1:2:4	Cum	9.00		
18	Providing and applying PLASTER OF PARIS PUTTY (BIRLA	Sqm	1,200.00		
	PUTTY) of 2mm thickness over plastered surface to prepare the				
	surface even and smooth complete.				
II	PH Works:				
19	Dismantling the vitreous chinawarre EWC, wash basin and	Nos	9.00		
	fixtures with fittings of rest room.as per the instruction of				
	EIC.				
20	Dismantling the existing GI pipe line of 20 mm carefully with	Mtr	40.00		
20	Dismanting the existing of pipe line of 20 him carefully with	IVILI	40.00		
	out damaging including removal of GI specials and stacking in				
	position as directed by Engineer In Charge etc., complete.				
21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)	Rmt	65.00		
	pipes (SDR 13.5) conforming to IS:15778, having thermal				
	stability for hot and cold water supply including all CPVC plain				
	& brass threaded fittings including fixing the pipe with clamps				
	at 1.00m spacing. This includes jointing of pipes and fittings				
	with one step CPVC solvent cement and cost of cutting chases				
	and making good the same with CM 1:3, including testing of				
	joints complete as per direction ofengineer-in-chargeetc., for				
	CONCEALED WORKS with:20mm dia				
22	Supply, Laying and Fixing in position under floor, against wall				
	in chases PVC SWR Drainage pipes and specials, rubber rings				
	conforming to Type 'B' of IS:13592 'Supreme' or equivalent				
	approved make as per manufacturers specification including				
	cutting the pipes to required lengths, necessary excavation,				
	chasing and restoring to original conditions, testing etc.				
	complete. (Specials at junction of lateral pipe and vertical stack		1		
22.1	complete. (Specials at junction of lateral pipe and vertical stack must have access door for inspection) 110mm dia (min wall thickness 3.2mm)	Rmt	20.00		
22.1	must have access door for inspection)	Rmt	20.00		

	Description	Unit	Qty	Rate	Amount
23	Providing and Fixing European Water Closet Suite (with	Nos	9.00		
	polymer cistern) comprising of:				
	A) Best Indian make white glazed vitreous Chinaware European				
	water closet, with wash down pattern of approved make with				
	trap as mentioned below conforming IS 2556 Part-II bearing ISI				
	mark fixed to floor with necessary teak wood plugs, CP brass				
	screws No. 8x37 etc.				
	B) 10 litre capacity approved quality and make polymer low				
	level flushing cistern with all internal fittings conforming to IS				
	ů ů ů				
	7231 fixed to wall with necessary brackets, screws and plugs				
	with matching chromium plated flush bend.				
	C) 15mm heavy quality flexible PVC inlet connection with CP				
	brass hexagonal check nuts and washers at both ends. D) white plastic seat and cover of approved make with CP pillar				
	hinges conforming to IS:2548				
	E) 15mm NB CP brass angle-cock/stop cock conforming to				
	IS:781 of approved make with a minimum weight of 400gm on				
	the inlet to the cistern.				
	F) 15mm GI over flow pipe with CP brass mosquito proof jali				
	and ckecknuts.				
	Complete all as specified above with approved fittings. (Refer				
	fig. No. CED:PH:1.1 of specifications for PH Engineering works).				
	[-9,				
24	Providing and Fixing in position best approved quality 15mm				
04.1	CP brass shower of approved make conforming to IS:781	Nee	9.00		
24.1	Swivel type with shower arm and Wall flange	Nos	9.00		
25	Providing and Fixing Indian make wash hand basin (with CP	Nos	10.00		
	bottle trap) comprising of: A) Best Indian make white glazed				
	vitreous chinaware wash hand basin of approved make of size				
	mentioned below conforming to IS:2556 Part-IV with single tap				
	hole and bearing ISI mark supported on a pair of painted CI				
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
	brackets conforming to IS:775 B) One 15mm CP brass pillar				
	cock of approved make with hot or cold water indication as				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin.				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin.				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin. E) One 32mm heavy quality CP brass waste coupling with				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin. E) One 32mm heavy quality CP brass waste coupling with rubber plug and CP chain. F) One 32mm heavy quality CP				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin. E) One 32mm heavy quality CP brass waste coupling with rubber plug and CP chain. F) One 32mm heavy quality CP brass bottle trap with extension piece and wall flange. G) One				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin. E) One 32mm heavy quality CP brass waste coupling with rubber plug and CP chain. F) One 32mm heavy quality CP brass bottle trap with extension piece and wall flange. G) One 32mm medium quality GI waste pipe with specials from				
	cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin. E) One 32mm heavy quality CP brass waste coupling with rubber plug and CP chain. F) One 32mm heavy quality CP brass bottle trap with extension piece and wall flange. G) One 32mm medium quality GI waste pipe with specials from extension piece of the bottle trap to the floor trap, length not				
	<ul> <li>cock of approved make with hot or cold water indication as required conforming to IS:1795 with minimum weight of 577gm. C) One 15mm heavy quality flexible PVC inlet pipe connection with CP brass hexagonal check nuts with washer at both ends. D) One 15mm CP brass angle-cock/stop cock of approved make conforming to IS:781 of approved make with a minimum weight of 400gm on the inlet to the basin.</li> <li>E) One 32mm heavy quality CP brass waste coupling with rubber plug and CP chain. F) One 32mm heavy quality CP brass bottle trap with extension piece and wall flange. G) One 32mm medium quality GI waste pipe with specials from extension piece of the bottle trap to the floor trap, length not exceeding 1 m concealed in wall. H) One no. 40mm GI bend</li> </ul>				

S1. No	Description	Unit	Qty	Rate	Amount
26	Providing and fixing in position cast Iron sand cast traps of self	Nos	18.00		
	cleansing design with outlet size and minimum approximate				
	weight as follows conforming to IS:1729 including connection				
	with CI soil/waste, necessary 150mm thick CC 1:2:4 for				
	embedding the trap, fixing CP brass hinged grating on top,				
	inner annular surfaces between floor finish and top of trap				
	shall be finished smooth with neat cement etc., complete as				
	specified and directed.				
27	Providing and Fixing in position approved make 15mm NB CP	Nos	9.00		
21	brass screw down bib tap conforming to IS:781 with a	NUS	9.00		
	minimum weight of 400gm				
00		NT	07.00		1
28	Providing and Fixing in position approved make 15mm NB CP	Nos	27.00		
	brass stop cock conforming to IS:781 with CP wall flange with a minimum weight of 400gm.				
29	Providing and Fixing in position best approved quality and type	Nos	9.00		
	towel rail of length mentioned below 25mm dia with a pair of				
	brackets or flanges fixed to wall with necessary screws, plugs,				
	etc. all as specified and directed.				<u> </u>
30	Providing and fixing Approved make of double coat hook of	Nos	18.00		
	jaquar make CAN-1161N for toilet including necessary				
	charges for materials, labour etc., complete and as directed by				
	E In C				
31	Providing and Fixing in position Jaquar make type soap tray	Nos	9.00		
	AQN-7723 of approved make with necessary CP screws and				
	washers fixed into the wall including cutting the wall, fixing				
	and making good the surface etc, Complete all as specified and				
	directed.				
32	Providing and Fixing in position jaquar make AHS-1553 toilet	Nos	9.00		
01	paper roll holder of approved make with necessary CP screws	1100	5.00		
	and washers fixed to wall including cutting wall, fixing and				
	making good the surface etc, Complete all as specified and				
	directed.				
33	Providing and fixing the mirror of required shape and size	Nos	9.00		
55	5 5 1 1	1105	9.00		
	600x750mm with MS bracket of approved make including				
	necessary charges for bowled edge and polish, materials,				
	labour etc., complete and as directed by E In C				
34	Providing and fixing Jaquar make Connection hose pipes of	Nos	27.00		
	ALD-801B 600mm long including necessary charges for				
	materials, labour etc., complete and as directed by E In C				
	materials, labour etc., complete and as uncetted by E III C		II		1
35	Supply and installation of Jaquar make -ALD-573 health foucet	Nos	4.00		
	flex tube all as per specifications, site condition and directions				
	of Engineer - In - Charge etc complete.				1

Sl. No	Description	Unit	Qty	Rate	Amount				
36	Providing and fixing wall mixer unit of Jaquar make-FLR-	Nos	4.00						
	5273UPR including , flexible hose shower clamp etc., complete .								
	(B) Dormitory - Total Amount (Civil and PH Works) Rs.								
	<b>Note:-</b> The contractor shall quote his rates in this schedule of quantity. Submission of tender in ant other format is liable for rejection.								

### PART-C (Flats/Residential Apartments)

S1. No	Description	Unit	Qty	Rate	Amount
I	Civil Works:				
1	Demolishing brick work in cement mortar including stacking	cum	3.00		
	of serviceable material and disposal of unserviceable				
	material within 50m lead.				
					1
2	Dismantling tile work in floors and roofs laid in cement				
2.1	including stacking material within 50m lead For Flooring	Sqm	40.00		
2.1	r or r rooming	oqiii	10.00		
2.2	For Dadoing	Sqm	170.00		
3	Providing and constructing HALF BRICK MASONRY				
5	walls/partitions in following mixes using approved well burnt				
	bricks of class designation (Classification as per IS 1077-				
	1986) as specified below, including scaffolding, raking out				
	joints, curing, etc; all as directed by the engineer-in-charge				
	in SUPERSTRUCTURE UPTO FLOOR FIVE LEVEL. (The mix				
	ratio specified is for cement : coarse river sand)	9	16.00		
3.1	Using bricks of class designation '3.5' (minimum average	Sqm	16.00		
	compressive Strength not less than 3.5N/sqmm) in cement mortar 1:4				
	moftar 1:4				
4	Plastering 20mm thick with cement mortar specified below	Sqm	190.00		
	finished smooth with lime neeru, including scaffolding,				
	curing, etc; complete for INTERNAL SURFACES of stone				
	masonry/brick masonry walls, sills, jambs, etc; complete all				
	as per specifications at all heights Mix specified is for cement				
	: fine sand. NOTE: CM 1:3 OR CM 1:4 is generally applicable				
	for ceilings and RCC surfaces unless otherwise specified:				
	with CM 1:6. EXLUDING LIME NEERU				
	WITH CM 1.6. EXLODING LIME NEERO				<u> </u>
5	Providing and laying Ceramic tile flooring / dadoing of				
	approved quality, size, colour and thickness according to the				
	dimensions of tiles and having scratch hardness and other				
	parameter conforming to IS 15622, (Bell or Naveen or				
	Spartek or Jhonson or Kajaria or Somany or equivalent				
	make) laid over a bed / backing as specified below, with				
	cement slurry at 3.30kg /sqm, close jointed and pointed with				
	matching white cement slurry mixed with approved pigment				
	and finishing to required level, curing etc., complete all as per specification and as directed by engineer-in-charge at all				
	floors.				
	1				1
5.1	in flooring with approved colour floor tiles (Regular / plain or	Sqm	40.00		
	dark colour / glossy or mat series) size 300mm X 300mm as				
	per IS 15622, over bed / backing of 20mm thick in CM 1:4.				
5.2	in dado with approved colour wall tiles (Regular / plain or	Sqm	170.00		
	dark colour / glossy or mat series) size 300mm X 200mm as	1			
	dark colour / glossy of mat series) size southin A 20011111 as				
	per IS 15622, over a bed / backing of 12mm thick in CM 1:3.				

S1.	Description	Unit	Qty	Rate	Amount
<b>No</b> 6	Supplying & fixing of factory made composite door shutter				
	with frame and single shutter manufactured by M/s. Fimen				
	Fibre Products Pvt. Ltd., or equivalent with door frame of size				
	70 x 50mm.The door shutter shall be of rigid GRP sandwich				
	composite structure of 30mm thick (minimum) laminated on				
	all sides with GRP skin fabricated using U.V. stabilized				
	Isopthalic gel coat and one layer of 450 GSM E glass				
	chopped strand mat (CSM) impregnated with polyester				
	resin.The thickness of skins shall not be less than 1.5mm.				
	Expanded polystyrene structural foam panel of density				
	20kg/cum shall be used as core material for the whole areas				
	of door except the wooden frame structure. The wooden				
	reinforcements made of seasoned salwood block of minimum				
	cross section of 70 x 26 for lock side 40 x 26 all round				
	forming the framework for shutter and minimum of 75mm				
	wide intermediate strip for the width of the door for fixing				
	locks and fixture and shall confirm to IS-4020-1998.The				
	finish of the shutter be without grains and of approved				
	colour etc., complete all as per manufacturers specifications				
6.1	at all heights. Supplying & fixing of factory made composite door shutter	Sam	16.00		
0.1	with frame and single shutter manufactured by M/s. Fimen	-	10.00		
	Fibre Products Pvt. Ltd., or equivalent with door frame of size				
	70 x 50mm.The door shutter shall be of rigid GRP sandwich				
	composite structure of 26mm thick (minimum) laminated on				
	all sides with GRP skin fabricated using U.V. stabilized				
	Isopthalic gel coat and one layer of 450 GSM E glass				
	chopped strand mat (CSM) impregnated with polyester				
	resin.The thickness of skins shall not be less than 1.5mm.				
	Expanded polystyrene structural foam panel of density				
	20kg/cum shall be used as core material for the whole areas				
	of door except the wooden frame structure. The wooden				
	reinforcements made of seasoned salwood block of minimum				
	cross section of 70 x 26 for lock side 40 x 26 all round				
	forming the framework for shutter and minimum of 75mm				
	wide intermediate strip for the width of the door for fixing				
	locks and fixture and shall confirm to IS-4020-1998.The				
	finish of the shutter be without grains and of approved				
	colour etc., complete all as per manufacturers specifications				
	at all heights.				
7	Providing and laying 20 thick polished Granite stone slab for				
	wash basin counter anchored/fixied into the wall with				
	necessary groove cutting in the wall including cutting to				
	required size, filling the gaps with cement mortar 1:4 with				
	matching pigment, laid to required level, curing etc.,				
	complete all as per specifications and directions of engineer-				
	in-chargein all floors at all heights. Machine polished on one side and other side finished to even	sqm	11.00		
	surface and with machine cut edges	squi	11.00		
	Isurace and with machine cut cuges	1	I	I	1
8	Extra for providing opening of required size & shape for wash	Nos	8.00		
	basins / kitchen sink in kitchen platform, vanity counters				
	and similar location in marble / stone work including				
	necessary holes for pillar taps etc. including rubbing and				
	polishing of cut edges etc. complete, per opening.			<u> </u>	<u> </u>
9	Extra for nosing in marble / granite stone for treads.	Dent	10.00		
9	Estita for nosing in marble / granite stone for treads.	Rmt	12.00		

No	Description	Unit	Qty	Rate	Amount
	-				
10	Painting internal plastered surfaces with two or more coats of super acrylic emulsion paint of approved brand and colour (Berger or Asian or equivalent) to give an even shade with required finish over a coat of water thinnable cement primer including cleaning the surfaces, filling the crevices with approved filler, scaffolding, etc., complete all as per specifications.	Sqm	1,300.00		
11	Painting external plastered surfaces with two or more coats of 100% acrylic exterior emulsion paint of approved make and colour (weather coat of Berger or apcolite apex of Asian or equivalent) having protection against fungal growth, flaking, fading, alkali and UV degradation and to give an even shade with required finish including cleaning the surfaces, applying one coat of primer, filling the crevices with approved filler, scaffolding, etc., complete all as per specifications.	Sqm	450.00		
12	Painting wood work/steel work with TWO or more coats of SYNTHETIC ENAMEL PAINT of first quality and approved colour to give an even shade over a coat of red oxide zinc chromate primer including cleaning the surfaces, applying a coat of approved putty on whole surface and rubbing the surface to achieve desired smooth surface, scaffolding, etc; complete all as per specifications (Rate to include cost of zinc chromate primer, putty also).	sqm	70.00		
13	Painting clay tile facing with deep orange synthetic enamel paint diluted with turpentine oil in the proportion 1:8 to give an even shade including cleaning the tiling with soft brushes to remove the stains / fungi formation including scaffolding, etc; complete as directed by the engineer-in-charge.	Sqm	420.00		
14	Water proof cement plastering of 15mm thickness in cement mortar 1:3 (cement : coarse river sand) mixed with approved water proofing compound such as CICO or ACCOPROOF or equivalent as per manufacturers specifications including scaffolding, curing, etc; complete for EXTERNAL SURFACES/toilet floor area all as per specifications for heights up to 10m above GL.	- 1	50.00		
15	Providing second class seasoned TEAK WOOD in frames of doors, windows, ventilators, railings, architraves, beadings and other frames etc; wrought, FRAMED & fixed in position with standard MS hold fasts and concrete blocks of 1:3:6 mix or with MS Bolts / T.W Plugs and G.I. Screws as required including tarring back of the frames, etc; complete all as per specifications.		1.50		
16	Providing and laying cement concrete using 20mm nominal size graded hard granite stone aggregate obtained from approved quarry including compaction, finishing top surface to level, curing, cost of formwork, etc; complete all as per specifications. Mix ratio specified is for cement : coarse river sand : graded stone aggregate.IN FOUNDATION AND PLINTH/SUB-BASE TO FLOORS.				

S1. No	Description	Unit	Qty	Rate	Amount
17	Extra for mixing water proofing compound of approved quality and brand in RCC items with ROFFE HYPROOF				
	manufactured by M/s. ROFFE Construction Chemicals Pvt. Ltd. at 140ml per 50kg of cement or CONPLAST X 421 IC of Fosroc Chemicals ltd. at 130ml per 50kg of cement or equivalent approved make mixed with cement as per				
	manufacturer's specifications etc., complete all as per specifications. (Rate to include the cost of water proofing compound).				
	PCC 1:2:4	Cum	5.00		
18	Providing and applying PLASTER OF PARIS PUTTY (BIRLA	Sqm	1,100.00		
	PUTTY) of 2mm thickness over plastered surface to prepare				
	the surface even and smooth complete.				
II	PH Works:				
19	Dismantling the vitreous chinawarre EWC, wash basin and fixtures with fittings of rest room.as per the instruction of EIC.	Nos	4.00		
20	Dismantling the existing GI pipe line of 20 mm carefully with	Mtr	20.00		
	out damaging including removal of GI specials and stacking				
	in position as directed by Engineer In Charge etc., complete.				
21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and cost of cutting chases and making good the same with CM 1:3,		20.00		
	including testing of joints complete as per direction ofengineer-in-chargeetc., for CONCEALED WORKS with:20mm dia				
22	Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber				
	rings conforming to Type 'B' of IS:13592 'Supreme' or equivalent approved make as per manufacturers specification including cutting the pipes to required lengths,				
	necessary excavation, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and vertical stack must have access door for				
	inspection)				
22.1	110mm dia (min wall thickness 3.2mm)	Rmt	8.00		
22.2	75mm dia (min wall thickness 3.2mm)	Rmt	16.00		
23	Providing and Fixing <b>European Water Closet Suite</b> (with <b>polymer cistern</b> ) comprising of:	Nos	4.00		
	A) Best Indian make white glazed vitreous Chinaware				
	European water closet, with wash down pattern of approved make with trap as mentioned below conforming IS 2556 Part-				
	II bearing ISI mark fixed to floor with necessary teak wood				
	plugs, CP brass screws No. 8x37 etc.				

S1.	Description	Unit	Qty	Rate	Amount
No	B) 10 litre capacity approved quality and make polymer low				
	level flushing cistern with all internal fittings <b>conforming to</b>				
	<b>IS 7231</b> fixed to wall with necessary brackets, screws and				
	plugs with matching chromium plated flush bend.				
	C) 15mm heavy quality flexible PVC inlet connection with CP				
	brass hexagonal check nuts and washers at both ends. D) white plastic seat and cover of approved make with CP				
	pillar hinges conforming to IS:2548				
	E) 15mm NB CP brass angle-cock/stop cock conforming to				
	IS:781 of approved make with a minimum weight of 400gm				
	on the inlet to the cistern.				
	F) 15mm GI over flow pipe with CP brass mosquito proof jali				
	and ckecknuts.				
	Complete all as specified above with approved fittings. (Refer fig. No. CED:PH:1.1 of specifications for PH Engineering				
	works).				
	works).				
24	Providing and Fixing in position best approved quality 15mm				
	CP brass shower of approved make conforming to IS:781				
24.1	Swivel type with shower arm and Wall flange	Nos	4.00		
			1.00	1	
25	Providing and Fixing Indian make wash hand basin (with CP	Nos	4.00		
	bottle trap) comprising of: A) Best Indian make white glazed				
	vitreous chinaware wash hand basin of approved make of				
	size mentioned below conforming to IS:2556 Part-IV with				
	single tap hole and bearing ISI mark supported on a pair of				
	painted CI brackets conforming to IS:775 B) One 15mm CP brass pillar cock of approved make with hot or cold water				
	indication as required conforming to IS:1795 with minimum				
	weight of 577gm. C) One 15mm heavy quality flexible PVC				
	inlet pipe connection with CP brass hexagonal check nuts				
	with washer at both ends. D) One 15mm CP brass angle-				
	cock/stop cock of approved make conforming to IS:781 of				
	approved make with a minimum weight of 400gm on the				
	inlet to the basin.				
	E) One 32mm heavy quality CP brass waste coupling with				
	rubber plug and CP chain. F) One 32mm heavy quality CP				
	brass bottle trap with extension piece and wall flange. G) One				
	32mm medium quality GI waste pipe with specials from				
	extension piece of the bottle trap to the floor trap, length not				
	exceeding 1 m concealed in wall. H) One no. 40mm GI bend				
	and 40mm dia 250mm long GI pipe connection waste pipe to				
	floor trap. All as per specifications and as directed with				
	approved fittings. of SIZE 450x300mm				
				·	
26	Providing and fixing in position cast Iron sand cast traps of	Nos	8.00		
	self cleansing design with outlet size and minimum				
	approximate weight as follows conforming to IS:1729				
	including connection with CI soil/waste, necessary 150mm				
	thick CC 1:2:4 for embedding the trap, fixing CP brass				
	hinged grating on top, inner annular surfaces between floor				
	finish and top of trap shall be finished smooth with neat				
	cement etc., complete as specified and directed.				

S1. No	Description	Unit	Qty	Rate	Amount			
27	Providing and Fixing in position approved make 15mm NB CP brass screw down bib tap conforming to IS:781 with a minimum weight of 400gm	Nos	10.00					
28	Providing and Fixing in position approved make 15mm NB CP brass stop cock conforming to IS:781 with CP wall flange with a minimum weight of 400gm.	Nos	16.00					
29	Providing and Fixing in position best approved quality and type towel rail of length mentioned below 25mm dia with a pair of brackets or flanges fixed to wall with necessary screws, plugs, etc. all as specified and directed.	Nos	4.00					
30	Providing and fixing Approved make of double coat hook of jaquar make CAN-1161N for toilet including necessary charges for materials, labour etc., complete and as directed by E In C	Nos	8.00					
31	Providing and Fixing in position Jaquar make type soap tray AQN-7723 of approved make with necessary CP screws and washers fixed into the wall including cutting the wall, fixing and making good the surface etc, Complete all as specified and directed.	Nos	4.00					
32	Providing and Fixing in position jaquar make AHS-1553 toilet paper roll holder of approved make with necessary CP screws and washers fixed to wall including cutting wall, fixing and making good the surface etc, Complete all as specified and directed.	Nos	4.00					
33	Providing and fixing the mirror of required shape and size 600x750mm with MS bracket of approved make including necessary charges for bowled edge and polish,materials, labour etc., complete and as directed by E In C	Nos	4.00					
34	Providing and fixing Jaquar make Connection hose pipes of ALD-801B 600mm long including necessary charges for materials, labour etc., complete and as directed by E In C	Nos	12.00					
35	Supply and installation of Jaquar make -ALD-573 health foucet flex tube all as per specifications, site condition and directions of Engineer - In - Charge etc complete.	Nos	4.00					
36	Providing and fixing wall mixer unit of Jaquar make-FLR- 5273UPR including , flexible hose shower clamp etc., complete .	Nos	4.00					
	(C) Flats/Residential Apartments - Total An	nount	(Civil and	PH Works) Rs.				
	<b>Note:-</b> The contractor shall quote his rates in this schedule of quantity. Submission of tender in ant other format is liable or rejection.							

#### PART-D (External PH WORKS)

SL. No.	Description	Unit	Qty	Rate	Amount
1	Boring/drilling bore well				
1.1	Boring/drilling bore well of required dia for casing/				
	strainer pipe, by suitable method prescribed in IS: 2800				
	(part I), including collecting samples from different strata,				
	preparing and submitting strata chart/bore log, including				
	hire & running charges of all equipments, tools, plants &				
	machineries required for the job, all complete as per				
	direction of Engineer-in-charge, upto 90 metre depth				
	below ground level. All types of soil. 300 mm dia	Mtr	90.00		
		mu	50.00		
1.2	Boring/drilling bore well of required dia for casing/				
	strainer pipe, by suitable method prescribed in IS: 2800				
	(part I), including collecting samples from different strata,				
	preparing and submitting strata chart/ bore log, including				
	hire & running charges of all equipments, tools, plants &				
	machineries required for the job, all complete as per				
	direction of Engineer -in-charge, beyond 90 metre & upto				
	150 metre depth below ground level. All types of soil. 300 mm dia	Mtr	60.00		
		mu	00.00		
2	Supplying, assembling, lowering and fixing in vertical				
	position in bore well, unplasticized PVC medium well				
	casing (CM) pipe of required dia, conforming to IS: 12818,				
	including required hire and labour charges, fittings &				
	accessories etc. all complete, for all depths, as per				
	direction of Engineer -in-charge. 200 mm nominal size dia	Mtr	30.00		
		WILL	30.00		
3	Supplying, assembling, lowering and fixing in vertical				
	position in bore well, ERW (Electric Resistance Welded) FE				
	410 mild steel screwed and socketed / plain ended casing				
	pipes of required dia, conforming to IS: 4270, of reputed &				
	approved make , including wilding the joints , painted				
	with outside surface with two coats of anticorrosive paint				
	of approved brand and manufacture, including required				
	hire & labour charges, fittings & accessories, all complete,				
	for all depths, as per direction of Engineer-in-charge.				
	150 mm nominal size dia having minimum wall thickness	Mtr	30.00		
	5.00				
	5.00 mm				

SL. No.	Description	Unit	Qty	Rate	Amount
4	Development of tube well in accordance with IS: 2800	Hrs	1.00		
	(part I) and IS:11189, to establish maximum rate of usable				
	water yield without sand content (beyond permissible				
	limit), with required capacity air compressor, running the				
	compressor for required time till well is fully				
	developed, measuring yield of well by "V" notch method or				
	any other approved method, measuring static level & draw				
	down etc. by step draw down method, collecting water				
	samples & getting tested in approved laboratory, i/c				
	disinfection of tubewell, all complete, including hire &				
	labour charges of air compressor, tools & accessories etc.,				
	all as per requirement and direction of Engineer-in-charge.				
	fun us per requirement und unceden er Engineer in endige.				
5	Providing and fixing M.S. clamp of required dia to the top				
	of casing/ housing pipe of tubewell as per IS: 2800 (part				
	I), including necessary				
	bolts & nuts of required size complete. 150 mm clamp	Each	1.00		
		Lati	1.00		
6	Supplying and errecting of submersible pump of TEXMO				
	make with accessories including cost of maerial, labour,				
	transportation ets., with specified and approved fittings as				
	detailed below, complete all as per specification and as				
6.1	directed by E-In-C etc., complte. Submersible pump set of TEXMO make, 5HP, 3phase, 36	set	1.00		
0.1	stage.				
6.2	Supplyinf of 40mm , 12.5kgcm2 , high density	mtr	150.00		
	polyethylene pipes (HDPE) of approved make.				
6.3	Finolex 4sq.mm, 3 core flat cable (Bore well cable)	mtr	180.00		
0.3	Findex 4sq.inin, 5 core nat cable (Bore wen cable)	mu	180.00		
6.4	Calmp set and fittings	set	1.00		
	-	I			<b>I</b>
6.5	End fittings to HDPE pipe	set	1.00		
		-			1
6.6	Aluminium cable of 10sq.mm universal make.	mtr	50.00		
6.7	40mm GM Non return valve	no	2.00		
0.7		110	2.00		
6.8	Labour charges for Errecting the pump and accessories.	no	1.00		

SL. No.	Description	Unit	Qty	Rate	Amount		
7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR 13.5) conforming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including jointing of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of engineer-in-charge etc. for EXTERNAL WORKS with:						
7.1	50 mm dia	Rmt	200.00				
7.2	40 mm dia	Rmt	50.00				
8	Supplying and fixing of ASTMD 2467 PVC pipe Control valves 50 mm dia as directed by EIC.	Nos	4.00				
9	Supplying and fixing of ASTMD 2467 PVC pipe Control valves 40 mm dia as directed by EIC.	Nos	4.00				
10	Supplying of HDPE over head tank-Double wall- polycon/sintex/kaveri or equivalent	Ltr	5000.00				
11	Supplying and fixing of 5HP submersible monoblock pump of model no:KOS-550+ as per specification and as directed by EIC.	No	1.00				
(D) External PH Works - Total Amount Rs.							
<b>Note:-</b> The contractor shall quote his rates in this schedule of quantity. Submission of tender in ant other format is liable for rejection.							