

<p style="text-align: center;"><b>CLARKS HOTEL AWADH</b>  <b>B.O.Q OF GROUND FLOOR -NEW TOILET BLOCK WORK</b>  <b>NAME OF WORK: CONSTRUCTION OF TOILET (CIVIL WORK)</b></p>					
S. NO.	DESCRIPTION OF ITEMS	UNIT	Quantity	Rate	Amount
<b>1</b>	<b>EARTH WORK</b>				
1.1	Earth work in excavation by mechanical means/manual means in foundation trenches including dressing of sides and ramming of bottoms for all kinds of soil including back filling of excavated soil in trenches,plinths,sides of foundations etc.in layers not exceeding 200mm in depth , consolidating each layer by ramming and watering complete and disposing off all excess soil within a lead of 200mm as per directions of site in charge to his entire satisfaction. Bottom width excavation shall be measured as given in foundation drawings and details showing the width of the bedding concrete only and hence side clearance if will not be measured separately. The contractor should cover this in his rate.				
1.1(a)	depth up to 1.5M	CUM	65.00		
1.1(b)	Filling and banking with approved good quality earth from outside in trenches, plinth, side of foundations etc., in layers not exceeding 200mm In depth, consolidating each deposited layer by ramming and watering complete as per direction of the site in charge to his entire satisfaction.	CUM	50.00		
1.2	Providing and injecting chemical antitermite treatment; conforming to IS 6313 part II that shall create a chemical barrier under and around the foundation pits, along external perimeter in vertical height of building, etc.; all complete and conforming to IS. specifications and as per approved manufacturer's instructions and recommendation, and installed by manufacturer's approved agency with a guarantee of 10 years, all to the satisfaction of the site in charge. (Plinth area in plan at ground level shall be measured.)	SQM	122.30		
<b>2</b>	<b>CONCRETE WORK</b>				
2.1	Providing and laying, mechanically mixed 1:3:6 plain cement concrete (P.C.C.), using 20mm nominal size well-graded approved quality aggregate river sand as approved, including compacting, curing, cleaning preparing surfaces, junctions etc. excluding shuttering complete to the satisfaction of the site in charge at all depths and leads.	CUM	36.00		
2.2	Providing and laying, design mix grade M-25, reinforced cement concrete (R.C.C.) in sub structure by using minimum 410 kg of cement per cum of concrete for slabs, columns & footing, etc. using 20 mm nominal well-graded approved quality aggregate and river sand as per approved design mix; using approved admixtures including pumping, pouring, spreading, vibrating/ compacting, curing, scaffolding, cleaning, preparing surfaces, junctions, hacking closely in surfaces to be plastered etc., excluding reinforcement & centering/shuttering , complete to the satisfaction of the site in charge at all depths, heights & leads.	CUM	15		
2.3	Providing and laying water proof layer of film of HDPE sheet (0.2 Kg/Sq.M) on sub base to receive PCC/RCC base slab above the film to be over lapped over Damp proof course (DPC) provided on the wall.	SQM	122.30		
<b>3</b>	<b>REINFORCEMENT WORK</b>				
3.1	Providing, Laying, fabricating and fixing in position steel reinforcement in all reinforced concrete work, including straightening, cutting, removal of loose rust by wire brush and coating with cement slurry, bending, hoisting, laying in position to the shape and profile required at all levels and heights as per drawing and design and / or as directed, binding with 18 gauge MS annealed wire, the rate shall be including providing and placing Chairs (which shall not be measured for payment sepratlly), separators, approved pre cast concrete spacer blocks etc. complete all to the satisfaction of the site in charge at all depths & leads.	KG	1500.00		
3.2	Tor HYSD bars - Fe - 500 grade.				
<b>3.1</b>	<b>CENTERING &amp; SHUTTERING</b>				
	Providing, and fixing form work (Centering/ shuttering) of any shape and design, with required height of staging & supporting and its removal etc. complete to the satisfaction of the site in charge up to 5M height.				
a)	Footing	SQM	202.00		
b)	Column				
c)	Plinth beam				
d)	Slab and beam				
e)	Arches , Domes , Vaults etc.				
<b>4</b>	<b>MASONRY WORK</b>				
4.1	Providing and constructing stone masonry in sub structure with locally available stone with cement mortar CM 1:6 cement mortar (1 cement : 6 sand) laid in specified courses including raking out joints, curing, doing independent double legged scaffolding, all complete as per specifications etc. at all heights depths & leads, all as directed by site in charge to his entire satisfaction.	CUM	60.00		

4.2	Providing and constructing 230mm or more thick masonry in super structure with locally available first quality bricks having minimum crushing strength 75 Kg/Sq. cm and water absorption maximum 20% in cement mortar CM 1:6 cement mortar (1 cement : 6 sand) laid in specified courses of approved bond and including raking out joints, curing, doing independent double legged scaffolding, all complete as per specifications etc. at all heights depths & leads, all as directed by site in charge to his entire satisfaction for all heights and levels.	CUM	42.00		
4.3	Providing and constructing half brick (115mm thick) masonry in sub structure with locally available first quality bricks having minimum crushing strength 75 Kg/Sq. cm and maximum water absorption 20%, in cement mortar CM 1: 4 (1 cement : 4 sand) laid in specified course of approved bond complete with raking out joints, curing, doing independent double legged scaffolding, as per specifications etc. at all heights & leads, all as directed by site in charge to his entire satisfaction including providing 40X3mm M.S flat as hoop iron on every fourth course for all heights and levels.	SQM	125.00		
5	<b>PLASTERING WORK</b>				
5.1	Providing and applying <b>12-15 mm thick INSIDE</b> plaster in cement mortar mix ratio CM 1:4 (1 cement : 4 sand) to internal surfaces (wall) of concrete and masonry work; including preparing junctions of concrete and masonry by neat cleaning; also providing and fixing expanded metal mesh of approved quality @ 150mm wide to junctions of concrete and masonry fixing with screws and washers & panel plug, preparing, jambs, sills, rounding of corners, etc. all complete as per architectural drawings, finished smooth with wooden rundha etc, or as specified by the Architect / site in charge; at all leads , depth and lifts, doing independent double - legged scaffolding, cleaning of surfaces, curing, etc. complete as per specification and to the approval of the site in charge.	SQM	550.00		
5.2	Providing and applying 2 / 3 or more coat with required water proofing compound external plaster in cement mortar mix ratio CM 1:4 (1 cement : 4 sand) to external surfaces of concrete and masonry work in 2 or more course. First course is to be 19 mm thick include cleaning and providing and fixing expanded metal mesh of approved quality @ 150mm wide to junctions of concrete and masonry fixing with screws and washers & panel plug, preparing, jambs, etc. all complete as per architectural drawings. second / third course is to be 12mm thick as ornamental plaster showing all relief and design patterns, chiri patti, pan patta, molding etc complete in all respect as specified and to complete satisfaction of the architect as shown in drawings including all leads , depth and lifts, doing independent double - legged scaffolding, curing, etc.	SQM	216.00		
6	<b>RAIN WATER PIPE FIXING WORK</b>				
6.1	Fixing, jointing and testing in position of ISI marked UV stabilized 150 MM dia PVC pipes for Rain water pipe Type-B (Pressure rating min. 6 Kg./Cm <sup>2</sup> ) as per IS : 13592 suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducing bush, reducers, after pipes have been duly laid and tested. The rubber ring shall confirm to IS:5382.	RM	50.00		
7	<b>MISCELLANEOUS WORK</b>				
7.1	structural steel work in single section fixed with connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete above plinth level upto 4.5mtr height (93 m)	KG	810.00		
a.	in flats, tees, angles ,channel , square pipes and M.S plate.				
b	providing color coated profile sheet roofing fixed with G.I.J or L hooks bolts and nuts 8mm diameter with bitumen and G.I limpet washers or with G.I limpet washers filled with white lead and including a coat of approved steel primer and two coat of approved paint on over lapping of sheet complete (upto a pitch of 60 degree) and excluding the cost of purlins rafters and truses, for class of sheets	sq.mt	115.00		