

**Clarks JAWAI ,PALI****MAIN BUILDING****DATE 8/07/2018**

S. NO.	DESCRIPTION OF ITEMS	UNIT	Quantity	Rate	Amount
1	<b>EARTH WORK</b>				
1.1	Clearing jungle including uprooting rank vegetation, grass, brush wood, trees and saplings of girth upto 30cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared As direction of site incharge.	SQM	560.00		
1.2	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,plinth,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.				
1.2(a)	depth up to 1.5M	CUM	717.00		
1.3	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	685.00		
	Same as item no 1.3 but material available from inside the project site.	CUM			
1.4	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	311.00		
2	<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	171.52		
2.2	Providing and laying, below plinth level 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	198.56		
2.3(c)	M30 grade concrete	CUM	30.00		
2.4	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 overlapped over Damp proof course (DPC) provided on the wall.	SQM	311.00		
3	<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 sepraty), separators, approved pre cast concrete spacer blocks etc. complete all to the satisfaction of the site in charge at all depths & leads.				
	Tor HYSD bars - Fe - 500 grade.	Kg	19800.00		

4	<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.				
d)	Slab and beam	SQM	1122.51		
5	<b>MASONRY WORK</b>				
5.1	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	198.00		
5.1(a)	Providing and constructing stone masonry in super 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	136.00		
5.2	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. if fly ash brick are used, the sample of bricks shall be got approved for quality & strength	CUM	23.72		
5.3	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	73.00		
6	<b>PLASTERING WORK SMOOTH FINE PLASTER</b>				
6.1	Providing and applying <b>12-15 mm thick</b> INSIDE 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	546.00		
7.1	<b>WATER-PROOFING WORK OVER TERRACE</b>				
	Providing and laying waterproofing at Main building terrace as per below mentioned specifications with 10 years guarantee on stamp paper from the date of completion.	SQM	291.00		
7.2	(I) Thorough cleaning of surface by mechanical means and high speed electrical air blowers. (II) Grouting all the visible cracks by gravity using low viscosity epoxy system. Resin 505C & Hardener EH-408 system of Elantas Beck USA and repair of all the pot holes by epoxy mortar prepared in Resin 505C & Hardener EH-411. (III) Application of one coat of Zentrifix Elastic waterproofing system on the whole surface and simultaneously providing fiberglass cloth when the coat is wet. (IV) Application of another two coat of Zentrifix Elastic waterproofing system to have sufficient thickness of the treatment. (V) Water ponding of the whole area for 48 hours to check the system against water percolation	SQM			
8	Providing 50mm thick cc coping of 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate) as per standard practice on full width of wall with drip course as per drawing.	RM	100.00		
10.1	brick bat coba for roof	SQM	291.00		