

ESTIMATE COST FOR KODOK COMPLEX S.S RENOVATION, FASHODA

Specification of estimate:

1. This estimate provides for all labour, material transport, tools, equipment and method of construction and any other necessary to part for this whole process and site guidance given by the engineering representative
2. Materials unit rates to be included in the initial cost of sub-transportation, labour wages overhead and profits with necessary expenses

Item	Description	Unit	Quantity	Rate (USD)
RENOVATION OF THE MAIN ADMIN/CLASSROOM BLOCK				
A	PRELIMINARIES			
	Visibility Signpost (1.5 x 0.8m of 1.2mm thick Metal sheet board; 60 x 40mm framings & posts; artwork to be provided by DRC)	Pc	1	
	Sub total			
B	SUBSTRUCTURE			
	SPLASH APRON			
	<u>Excavation and Earthworks</u>			
	<u>Note: Rates for excavation to include for keeping excavations free from water and planking and strutting to sides of excavations.</u>			
	Excavate around splash apron commencing from existing level; not exceeding 1.0m deep. Dispose excess materials, spread and level surplus excavated material where directed on site.	CM	17.28	
	<u>Brick Masonry</u>			
	200mm thick burnt clay brick masonry wall of 1:4 cement sand ratio with hoop iron on alternate three courses.	SM	38.4	
	<u>Murram Filling</u>			
	Import approved murram or gravel and fill, deposit, spread, level and ram around apron in 150mm layers and compact to 98% MDD.	CM	8.96	
	<u>Splash Apron</u>			
	<u>In situ concrete 1:5:10/20mm aggregate as described:</u>			
	50mm thick concrete apron slab.	CM	4.48	
	50mm thick concrete blinding for burnt clay brick walling	CM	2.88	
	25mm thick cement mortar (1:4) screeds and pavings; one coat; steel trowel finish laid on concrete "Nirro"	SM	102.4	
	Subtotal			



C

FLOORING**Demolition and Removal**

Carefully hack-off the top finish layer of the floor screed and and prepare the surface to receive fresh screeding layer and level materials where directed on site.

SM

548

Cement mortar (1:4) render; trowelled smooth: on concrete upto final smooth finish "Nirro":

25mm screed on floor slab

SM

548

Cement and Sand (1:4) screed : finished smooth 42mm**Thick floor screed : to receive floor tiles**

400 x 400 x 8mm Thick approved non-slip ceramic floor tiles : bedded and jointed in approved adhesive : pointed with approved coloured grout : to

Floors

SM

43

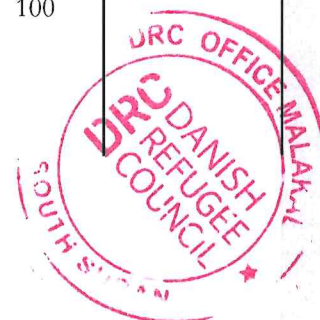
100 x 8mm Skirting

LM

27.2



D	Subtotal			
	<u>SUPERSTRUCTURE</u>			
	<u>WALLING</u>			
	Carefully hack-off cracked, unstable and loose existing cement plaster, cart and level materials where directed on site.	SM	254	
	<u>Reinforced cement and sand (1:4) render trowelled smooth on Hacked wall & brick walling of:</u>			
	15mm external wall with expanded mesh	SM	127	
	12mm internal wall with expanded mesh	SM	127	
	<u>Brick Masonry Filling</u>			
	200mm high Fill up spaces between the wall and roof to deter bats from accessing the roof using burnt clay brick masonry of 1:4 cement mortar.	SM	11.8	
	Subtotal			
E	<u>ROOFING</u>			
	<u>The following in roof construction include hoisting and fixing appropriately above ground level to join existing roof. (The works to only focus on the damaged areas or locations NB NOT ENTIRE ROOF)</u>			
	<u>Structural steel sections in trusses, welded and jointed with gusset plates and bolts;</u>			
	80 x 40 x 3mm RHS rafter	PCS	15	
	80 x 40 x 3mm RHS purlin	PCS	5	
	80 x 40 x 3mm RHS wall plate	PCS	10	
	<u>Roof Covering</u>			
	UNHCR, DRC Engineer to identify jointly with the contractor vendor the damaged roofing sheets, cost to including removing the existing damaged sheets and replacing with new 28 Gauge corrugated iron Sheet fixed on steel purlins, cost includes cutting and trimming new and existing iron sheets to eliminate bat shelters	SM	60	
	<u>Fascia & Barge Board</u>			
	225 x 1.5mm thick mild steel fascia boards welded to angle cleats at rafter ends with all other necessary installation accessories. (FOR ALL THE FASCIA BOARD)	LM	100	
	<u>Painting</u>			



F	Prepare and apply three coats of red-oxide gloss oil paint to steel surfaces, for all the steel works for the roof structures)	SM	#REF!	
	Ceiling Carefully remove existing suspended ceiling materials, cart and dispose where directed on site to leave the building clean and ready for use.	SM	450	
	Subtotal			
	WINDOWS & DOORS			
G	Door Provide/replace any missing or damaged accessories to the existing steel doors including locks (internal and external), vents and other accessories to ensure its full operation.	No	8	
	Window Provide/replace any missing or damaged window accessories like locks (internal and external), mosquito wire/mesh and more with all accessories to ensure its full operation.	No	22	
	Prepare surface and apply etching primer, apply one coat primer, one undercoat and two Gloss finishing coats spray painted; on metal works to			
	Steel windows	SM	39.6	
	Steel doors	SM	17.6	
	Sub total			
	FINISHES			
	Wall finishes Prepare and apply one mist coat and two coats weatheguard paint on plastered external wall. Color agreed by the donor and DRC	SM	372	
	Prepare and apply one undercoat and two coats of silkviny paint on plastered internal wall. Paint color will be determined by DRC and UNHCR.	SM	1273	
	Subtotal			
	SUMMARY			



A	PRELIMINARIES			
B	SPLASH APRON			
C	FLOORING			
D	WALLING			
E	ROOFING			
F	DOORS AND WINDOWS			
G	FINISHES			
TOTAL FOR RENOVATION OF THE MAIN CLASSROOM BLOCK				



COUNTY

be incurred for the construction
'uses.

Amount (USD)

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

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10. *Journal of the American Medical Association*, 271, 1994, 1033-1034.

