

**BO CORRECTIONAL CENTRE**

**PLUMBING AND SANITARY SERVICES INSTALLATION**

ITEM NO	DESCRIPTION	UNIT	QTY	UNIT RATE (Le)	AMOUNT (Le)
1.00	<b>PRELIMINARIES</b>				
1.01	Mobilization	Lump Sum	1		
1.02	Safety precautionary measures	Lump Sum	1		
1.03	Progress Photograph	Lump Sum	1		
1.04	Demobilization	Lump Sum	1		
	<b>PRELIMINARIES carried to Summary</b>				
2.00	<b>IMPROVEMENT OF SANITARY CONDITION BY THE CONSTRUCTION OF A NEW SEPTIC TANK AND SOAKAWAY</b>  Septic tank Construction with dimensions (4.8m long x 2.3m wide x 3.3 m deep)				
2.01	Excavation	m <sup>3</sup>	48		
2.02	Blockwork: Provide sand and cement. Manufacture sandcrete blocks using mix of 1:8 and build the septic as shown in the drawings	m <sup>2</sup>	45		
2.03	Reinforced concrete (1:2:4 mix) cross-beam and septic tank cover including reinforcement and formwork	m <sup>3</sup>	3.5		
2.04	Rendering inside walls of septic tank	m <sup>2</sup>	45		
2.05	600mm x 600mm interception chambers	No	6		
	Excavate soakaway, 4m long x 3m wide and 2 m deep Fill with laterite ball stones and cover with lean concrete	Lump sum	1		
2.06	Septic sewage waste including foul water drainage system network of 100 mm uPVC pipe works and fittings complete with high performance sealing system to ensure that joint remain leak free	m	35		
2.07	Provide squat toilets with all the necessary fittings complete and install according to the direction of the supervising Engineer	No	6		
	Pipe works, joints and support to cold water & sanitary installation to squat toilets	No	6		
2.08	Dismantle the existing local squat locations and make good the floor area to receive the new squat toilets	Lump sum	1		
2.09	<b>BATHROOM &amp; TOILET MAINTENANCE</b> Clean up the toilet floor and provide non-slip tiles on the floor	m <sup>2</sup>	18		
2.10	<b>TOTAL COST OF IMPROVEMENT OF THE SEWAGE SYSTEM</b>				

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ITEM NO	DESCRIPTION	UNIT	QTY	UNIT RATE (Le)	AMOUNT (Le)
3.00	<b>WATER SUPPLY CONNECT CENTRE TO SALWACO WATER SYSTEM, BUILD WATER TOWER AND PROVIDE 10,000 liters MILLA TANK FOR WATER STORAGE</b>				
3.01	Connect water supply from SALWACO to BO correctional center	Lump Sum	1		
3.02	Provide and Install NO 10,000 liters tank on a water tower inside the correctional center	Lump Sum	1		
3.03	Provide lump sum for high pressure water pipes and fittings as required to supply water to the milla tanks provided for onwards distribution of water into toilets, kitchen etc.	Lump Sum	1		
3.04	Provide a lump sum for the construction of 2400 mm x 2400 mm by 3000mm high water tower inside the Correctional center far from the internal security perimeter fence wall for the 10,000 liters milla tank	Lump Sum	1		
	<b>TOTAL WATER SUPPLY</b>				
4.00	<b>WIDENING OF CELL VENTS AND GRILLED</b>				
4.01	Widening of the vents to the cells to 500mm x1000mm Fabricate new grilled vents using 3/4" diameter high yield steel rods welded at 3" (76mm ) interval vertical and horizontal direction with mosquito wire mesh fixed over the grilled vent as directed by the Engineer or his representative. 200mm long end of the 3/4" diameter rods grille must be embedded in side 1:2:4 -12mm aggregates reinforced concrete all round the edges of the vent	No	13		

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ITEM NO	DESCRIPTION	UNIT	QTY	UNIT RATE (Le)	AMOUNT (Le)
	<b>SUMMARY</b>				
1.0	<b>PRELIMINARIES</b>				

2.0	IMPROVEMENT OF THE SANITARY CONDITION BY CONSTRUCTION OF NEW SEPTIC TANK AND SOAKAWAY				
3.0	WATER SUPPLY CONNECT CENTRE TO SALWACO WATER SYSTEM, BUILD WATER TOWER AND PROVIDE 10,000 liters MILLA TANK FOR WATER STORAGE				
4.0	WIDENING OF VENTS AND GRILLED				
	TOTAL REHABILITATION COST				
	Contingency 5%				
	FINAL SEWAGE, VENT, AND WATRE SUPPLY REHABILITATION COST				