

Item No	Description	Unit	Total Quantity	Rate Leones	Amount Leones
	<b>PREAMBLE</b> The Contractor shall accept the payment provided for in the contract and represented by the rates bid by him in the Bill of Quantities, as payment in full for executing and completing the work as specified, for procuring, furnishing, placing and installing all materials, for procuring and providing labour, supervision, constructional plant, tools and equipment, for wastage, transport, loading and off-loading, handling, maintenance, temporary work, testing, quality control including process control, overheads, profit, risk and other obligations and for all other incidentals necessary for the completion of the work . Make provision for Sign Post.				
1	<b><u>SITE PREPARATION</u></b>				
1.1	Generally clear site of all vegetation -shrubs and undergrowths	m <sup>2</sup>	41		
1.2	Clear and cart away off site top soil not exceeding 200mm	2	8.2		
	<b>Sub Total</b>				
2	<b><u>EARTH WORKS</u></b>				
2.1	<b><u>Excavation :</u></b>				
2.1a	Excavate 3.7 m wide by 4m deep foundation	m <sup>3</sup>	154.45		
2.1b	Excavate 3m wide by 3 deep foundation trench for cable pipes	m <sup>3</sup>	16.32		
2.1c	Extra-over excavation in rock as directed by the Engineer.	m <sup>3</sup>	3.5		
2.1d	Level and compact bottom of excavation using suitable compactor to 95% maximum dry density (MDD) to BS1377	m <sup>2</sup>	41		
2.2	<b><u>Backfilling Spring Box</u></b>				
2.2a	Backfill ,Level and compact excavation with suitable earth material 150mm thick ,to 95% maximum dry density (MDD) to BS1377	m <sup>3</sup>	38.6		

2.2b	Backfill ,Level and compact excavation with 50mm thick Hardcore material obtained off site,maximum size not exceeding 75% of backfill thickness to BS1377	m <sup>3</sup>	174.27		
2.2c	Backfill ,Level and compact around slab with 20mm crushed stone/gravel material obtained off site	m <sup>3</sup>	47.36		
2.2d	Cart away excess excavated material off site	m <sup>3</sup>	59.2		
	<b>Sub-Total Earthworks</b>				
3	<b>CONCRETE WORKS BS 8110:</b>				
3.1a	<b>Concrete</b>				
	Provide and place 50mm thick grade C15/20 concrete with 30mm-60mm slump as blinding waterproofing admixture i.e 0,5% of cement weight.				
	(i) slab	m <sup>3</sup>	1.35		
	(ii) edge	m <sup>3</sup>	6.66		
	(ii) base	m <sup>3</sup>	1.54		
3.1b	Provide and place grade C25/30 concrete with 0,5% of cement weight. Admixture 30mm-60mm slump in :				
	(i) retain wall to the spring sources	m <sup>3</sup>	17.73		
	concrete to sleeve pipes	m <sup>3</sup>	0.17		
3.2	<b>Formwork</b>				
	Provide and fix 25mm thick hardwood as formwork for casting				
	(i) slab	m <sup>2</sup>	118.4		
	(ii) edges	m <sup>2</sup>	120		
3.3	<b>Reinforcement</b>				
	Provide ,cut ,bend and fix high tensile reinforcement,460N/m <sup>2</sup> Conforming to BS 4449 in edge beams				

	(i) 10mm diameter reinforcement	kg	0.3		
	(iii) 12mm diameter reinforcement	kg	0.75		
3.4	<b><u>Water Proofing</u></b>				
	Provide and apply AQUAMAT-, elastic, brushable sealing slurry to the interior of tank	m <sup>2</sup>	28.92		
3.5	<b><u>Concrete Joint</u></b>				
	Provide and fix concrete joint and filling with AQUAMAT-ELASTIC, brushable sealing slurry..	m	34.2		
3.6	<b><u>Water Supply Systems</u></b>				
	Construction Water points according to details in drawing	items			
	Supply and install 3 uPVE to water point	m	450		
	Supply and Install PE tank 5000 litres	No	2		
	Provide and fix Ceramic tiles to standposts	items			
	TOTAL=				