

S/NO	DESCRIPTIONS	QTY	UNIT	RATE	AMOUNT
					NGN
	ELEMENT No1				
	MECHANICAL SERVICES				
1	PLUMBING SERVICES				
	Trenches/Pipeways/Pits for buried Engineering services				
A	Excavating trenches for services 500mm nominal size; 500mm average depth from 150mm below existing ground level; backfilling with selected excavated material	235	m		0.00
	Pipelines				
	High density Polyethylene pipes in chases/trenches/floor screeds				
B	25mm Diameter	412	m		0.00
C	19mm Diameter	168	m		0.00
D	13mm Diameter	112	m		0.00
	Extra quality pipeline fittings not exceeding 65mm diameter				
E	Elbows	335	Nr		0.00
F	Equal Tees	122	Nr		0.00
G	Reducing Tees	21	Nr		0.00
H	Union Connectors	43	Nr		0.00
I	Adaptor/Plug	65	Nr		0.00
J	Gate Valve	39	Nr		0.00
K	Non-return Valve	15	Nr		0.00
L	Nipples	150	Nr		0.00
M	Socket	150	Nr		0.00
	Straight UPVC pipes in chases/Trenches/Floor screeds				
N	150mm Diameter	200	m		0.00
O	100mm Diameter	200	m		0.00
P	50mm Diameter	85	m		0.00

Q	Vent cowl	25	Nr		0.00
R	Sockets/Traps	18	Nr		0.00
	1/Carried to collections				0.00
2	<u>General Pipeline Equipment</u>				
	supply and install sanitary equipment as may be directed by the Engineer, with all the accessories for complete installation				
A	white glazed vitreous wash hand basin size 500mm x 450mm x 18mm deep complete with pedestal	28	Nr		0.00
B	white glazed vitreous low level water closet suit complete with plastic seat cover	21	Nr		0.00
C	double bowl kitchen sink	4	Nr		0.00
D	50 Ltr water heater complete with accessories	8	Nr		0.00
E	Chrome plated shower stand	6	Nr		0.00
F	Chrome plated toilet roll holder	21	Nr		0.00
	<u>Septic Tank</u>				
G	225mm thick sandcrete blocks, 50mm thick pre-cast fabric mesh reinforced concrete waffle wall, covered with 100mm mesh reinforced concrete slab with cast iron manhole cover, rendered internally with water proof cement sand mortar (1:3) mix and floor screed in 25mm thick cement sand mortar (1:4) finished to fall. the septic tanks attached to manholes constructed as described, including pipeworks, excavation, backfilling and disposal of surplus excavated materials.	3	Nr		0.00
	2/Carried to collections				0.00
3	<u>Borehole Drilling and Installation</u>				
A	Geophysical investigation of area for location of most suitable point for drilling	1	Ls		0.00
B	Drilling in sedimentary formation to appropriate depth and diameter	180	m		0.00
C	supply and install working casing	1	Ls		0.00
D	Backfilling and sealing abortive Borehole	1	Ls		0.00
E	150mm diameter steel casing with stainless steel screens	180	m		0.00
	3/Carried to collections				0.00

4	<u>OVERHEAD TANK</u>				
A	H-Channel stanchion braced with angle iron, rivetted to footing rod and primary beam at the top of 2 stanchions	15	m		0.00
B	Supply and install H-channel as secondary beam arranged and rivetted to checkered plate sheets	20	m		0.00
C	3mx3mx4mm thiiiron plate base of tank welded to secondary beam	9	m ²		0.00
D	silver colored antirust paint	60	Ltrs		0.00
E	reinforced concrete base in excavated trench connected to H-Channel	1.15	m ³		0.00
F	Supply and install 20,000 ltrs capacity service/storage tank	2	Nr		0.00
G	Supply and install 2Hp pumps	2	Nr		0.00
	4/Carried to collections				0.00
	<u>COLLECTION</u>				
1	PLUMBING SERVICES	1			0.00
2	General Pipeline Equipment	1			0.00
3	Borehole Drilling and Installation	1			0.00
4	OVERHEAD TANK	1			0.00
	<u>TOTAL</u>				0.00