

EMSOO WARD 2017/2018

KONGCHEPKESE WATER PROJECT

INTAKE WORKS, PIPELINE AND TANK ROOFING

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	INTAKE PROTECTION FENCING OF INTAKE(PERIMETER800M)				
1	Clear bush 1m wide around the intake as per Engineers specification	M	800		
2	Dig holes 250mm wide and 450mm deep in a mixture of soil and rock.	NO	420		
3	Supply, and erect treated posts of length 450mm and diameter 120mm as per Engineers specification	NO	420		
4	Fence around the intake area with 5 strains of barbed wire(guage16)using U nails as per the Engineers specification	M			
5	UP GRADING OF GRAVITY PIPE LINE TO TANK				
6	Clear bush 1m wide Along the pipeline route	M	264		
7	Supply, handle,lay,joints and test 50mm G.I pipe class B	M	264		
8	Supply, fix and test 50mm G.I union socket	NO	5		
9	Supply, fix and test 50mm G.I bend	NO	2		
10	Supply, fix and test 50mm G.I Nipple	NO	2		
11	Construct Anchor block/pillars 400mmx400mm x1000mm	NO	5		
12	Supply, fix and test 80mm G.I pipe3m for washout	NO	1		
13	Supply, fix and test 80mm G.I End plug for washout	NO	1		
14	Supply, fix and test 80mm x50mm Reducing socket	NO	1		
15	Supply, fix and test 50mm G.I gate valve	NO	1		
16	Supply, fix and test 50mm G.I Nipples	NO	2		
17	Supply, fix and test 50mm G.I union socket	NO	2		
18	Construct intake chamber with a partition 1.5mx2mx1.0m with a lockable cover	ITEM	L/S		
19	Hack, plaster existing weir 4mX0.15X0.5m into ratio of 1:1:2	M2	0.3		
20	Supply, fix fabricate 50mm G.I class B pipe 0.5m long and drill holes to act as a suction pipe	NO	1		

	SUBTOTAL				
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KONGCHEPKESE WATER PROJECT (WATER TANK 50M³ ROOF SLAB)

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	REINFORCED CONCRETE GRADE 25/20(1:2:4)				
21	Provide 150mm thick roof slab	M ³	4		
	REINFORCEMENTS				
22	Provide, handle cut to size and fix roof slab and centre pillar for roof support.	KG	270		
23	Construct pillar for tank roof support from centre 300mmx300mmx2,6m high as per the Engineer specification	NO	1		
24	Supply, fabricate manhole cover 600mmx450mm with lockable cover	NO	1		
25	Supply, fix and test 50mm G.I pipe Class B for inlet pipe	NO	6		
26	Supply, fix and test 50mm G.I pipe class B for overflow.	NO	6		
	AIR VENT				
27	Supply, fix and test 50mm G.I length 300mm	NO	2		
28	Supply, fix and test 50mm G.I Tee equal	NO	2		
29	Supply, fix and test 50mm G.I Nipple	NO	4		
30	Supply, fix and test 50mm G.I Elbow	NO	4		
31	Supply, fix polythene sheeting to the Top of timber formwork to the roof slab	M ²	40		
32	Supply, fix bitumen between the tank wall and the slab as per drawing	LITS	4		
33	Supply, fix props of 100mm diameter supports of approved size and quality average height 3 m	NO	115		
34	Supply, fix 3ply	NO	3		
35	Supply, fix fabricate internal and external ladder, G.I pipe 20mm class B	NO	2		
36	Supply, fix Timber formwork for roof slab 80mmx50mm	M	100		
37	Supply, fix Timber formwork for roof slab 150mmx25mm	M	150		
38	Provide, and fix nails sizes 80mm, 50mm and 25mm respectively	KG	15		

39	Sign post	ITEM	L/S		
40	Supervision, monitoring and evaluation	ITEM	L/S	70,000	70,000
	SUB TOTAL(intake works and pipeline)				
	SUB TOTAL(tank roofing)				
	GRAND				