

PROJECT: CHEPTAK WATER PROJECT. SOY NORTH WARD. 16-17 FY

CONSTRUCTION OF INTAKE WORKS AND PIPELAYING

ITEM	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	PRELIMINARY ITEMS.				
A1	The contractor shall allow for a provisional sum of Kenya Shillings Fifty Thousand (Ksh 50,000.00) for the construction of a temporary river diversion to allow construction to take place on a dry site.	L /s	Item	L /s	50,000.00
A2	Allow for a provisional sum of Kenya Shillings One hundred thousand (Ksh 100,000.00) for transportation of construction materials.	L /s	Item	L /s	100,000.00
A3	Allow for project supervision	L /s	Item	L /s	30,000.00
A4	Allow for sign post.	L /s	Item	L /s	
B	EXCAVATIONS.				
	To include for all trimming to levels, backfilling with approved selected spoils, compacting, disposal of surplus materials and rein statement.				
B1	Clear site from all undergrowth shrubs and trees, including , stubbing uproots and removal of all deleterious materials from site.	30	M2		
B2	Excavate river bank in normal soil to take wing walls, abutments, weir, riprap, key, aprons and cutoff walls n.e 1.5m deep.	40	M3		
B3	Ditto for excavation in hard rock.	10	M3		
B4	Backfilling with approved selected spoils compacted to specifications to both sides of the weir and wing walls.	30	M3		
C	CONCRETE WORKS/REINFORCEMENTS.				
C1	Sawn timber formwork as described to sides of weir body and wing walls.	40	M2		
C2	Provide and place 80mm diameter3") G.I pipe Class B for the outlet and scour.	12	M		
C3	Provide and place1:3:6 mass concrete blinding under weir, wing walls.	3	M3		
C4	Mass concrete 1:2:4 in weir, wing walls, cutoff walls, inlet and outlet chamber 300m thick and silt trap across the stream.	15	M3		
C5	Provide and place to the exposed faces of weir, wing walls, 20mm thick cement mortar plaster(1:3) including water proof cement	20	M2		

	SUB TOTAL				
C6	200mm thick grouted riprap (stone pitching) as described to the upstream and downstream.	12	M2		
C7	High yield square twisted bars to BS4461 12mm diameter in head walls, wing walls, weir body, inlet /outlet chambers, silt trap across the stream.	130	K g		
C8	Provide for binding wire for item C7.	15	K g		
D	PIPEWORK/FITTINGS. Provide and fix the following pipes and fittings.				
D1	G.I reducing socket 3"x2"	1	No		
D2	G.I pipe 80mm diameter(3") class B	30	M		
D3	G.I pipe 50mm diameter(2") class B	180	M		
D4	G.I bend 3"	1	No		
D5	Sluice valve 3"	2	No		
D6	G.I union 3"	3	No		
D7	G.I union 2"	10	No		
D8	Allow for a provisional sum of Kenya Shillings Thirty thousand(Ksh 30,000.00) for repair to the existing pipeline	L /s	Item	L /s	30,000.00
E	MIXING CHAMBER IN 1:2:4 MASS CONCRETE.				
E1	Allow for a provisional sum of Kenya Shilling Fifty Thousand(Ksh 50,000.00) for the construction to completion of a water mixing chamber 2.0x2.0x1.5 m high at the junction of the two intake pipelines including 600mmx600mm steel cover and padlock	L /s		L /s	50,000.00
SUB TOTAL TO BE CARRIED TO GRAND TOTAL					
GRAND TOTAL TO BE CARRIED TO FORM OF TENDER					

AMOUNT IN WORDS (KSHS).....
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CONTRACTOR'S NAME.....

ADDRESS.....

SIGN.....

STAMP.....