

Project Cost of SVTP-2

(Thousand USD)

Item	Description	Quantity	Amount	Remark
I)	Direct Total Cost		900	
Bill 1	Main Canal 1(STA.6~STA.32+788)		-	
Bill 2	MC1 of Canal crossing structures		-	
Bill 3	Main Canal 2(STA.0~STA.18+024)		-	
Bill 4	MC2 of Canal crossing structures		-	
Bill 5	Water Supply		-	
Bill 6	Genarl Construction		900	
II)	Contingency(10% of direct Cost)	10%	90	
III)	NCIC(1% of direct Cost)	1%	-	
IV)	Total Project Cost		990	

BILL 1 MAIN CANAL 1(STA.6~STA.32+788)

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
1.1.	Earthworks				
1	Woodcutting & Roots Removal	m ²	1,132,263		-
2	Cut(earth)	m ³	2,100,436		-
3	Cut(rock)	m ³	67,698		-

4	Embankment(Porterage & Compact)	m ²	201,402		-
5	Embankment(Dump truck15ton, L=1.2km)	m ²	550,162		-
6	Waste Soil	m ³	1,427,489		-
7	Bottom compaction of Canal	m ²	167,932		-
8	Side-Slop Forming	m ²	457,155		-
9	Lined sod	m ²	239,999		-
10	Excavate (0.7m ³)	m ³	62,427		-
11	Backfill(Excavate 1.0m ³)	m ³	73,240		-
12	Murram Pavement	m ²	217,896		-
13	Safe Fence(h=2.2m)	m	62,256		-
	Total of 1.1				-
1.2.	Concrete Work of Lining Canal				
1	Lining Machine(Con'c B180)	m ³	71,019		-
2	Lining Concrete Joint(cutting & sealing)	m	117,061		-
3	Lining of Ridge Gutter(Con'C B180)	m ³	17,589		-
4	Wire Mash(#6 150X150)	m ²	591,270		-
	Total of 1.2				-
1.3.	Structural Work of Siphone				
1	Wire Mash D=6mm	m ²	1,303		-
2	Con'C(B180)	m ²	982		-
3	Con'C(B240)	m ²	9,750		-
4	Plate form	m ²	15,999		-
5	Scaffolding	m ²	5,024		-
6	Support post	m ²	10,105		-
7	Reinforcing steel(SD30)	Ton	765		-
8	Construction Joint(A-Type)	m ²	2,658		-
10	HDPE Pipe (250mm)	m	300		-
11	Gate Valve (250mm)	No	2		-
13	Guard Rail	m	54		-
14	Temporary Stop Log(5m*3)	Ea	16		-
15	Temporary Stop Log(3m*3)	Ea	16		-
16	Ladder Height(4m)	Ea	2		-
17	Screen each(5*3 galvanised)	Ea	2		-
18	Screen each(5*3 galvanised)	Ea	2		-
20	Diversion Gate(5.0*3.0)	Ea	2		-
21	Diversion Gate(3.0*3.0)	Ea	2		-
23	Space Blocks	No	32,756		-
	Total of 1.3				-
1.4.	Structural Work of Emergence Spillway				
1	Con'C(B180)	m ³	187.2		-
2	Con'C(B240)	m ³	919.56		-

BILL 1 MAIN CANAL 1(STA.6~STA.32+788)

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
3	Plate form	m ²	1441.12		-
4	Scaffolding	m ²	805.28		-
4	Support post	m ²	492.88		-
5	Reinforcing steel(SD30)	Ton	45.8		-
6	Conection Joint	m ²	60		-
7	Gate Valve (250mm)	No	4		-

8	HDPE Pipe (250mm)	m	80	-
9	Diversion Gate(3.0*3.0)	Ea	4	-
	Total of 1.4			-
etc				
Total				-

BILL 2 MC1 of Canal crossing structures

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
2.1.	Road connection structures				
1	Con'C(B160)	m ³	1,006		-
2	Con'C(B210)	m ³	519		-
3	Con'C(B240)	m ³	10,481		-
4	Plate form	m ²	43,041		-
5	Scaffolding	m ²	14,189		-
6	Support post	m ²	17,353		-
7	Reinforcing steel(SD30)	ton	3,266		-
8	Space blocks	No	41,454		-

9	Asphalt Paint(2 coats)	m ²	9,562		-
10	Construction Joint(A-Type)	m ²	775		-
11	Guard Rail	m	1,298		-
	Total of 2.1				-
2.2.	Cross drainage structures				
1	Con'C(B160)	m ³	1,065		-
2	Con'C(B210)	m ³	13,215		-
3	Plate form	m ²	37,961		-
4	Scaffolding	m ²	16,514		-
5	Support post	m ²	18,167		-
6	Reinforcing steel(SD30)	ton	1,554		-
7	Space blocks	No	58,086		-
8	Asphalt Paint(2 coats)	m ²	22,015		-
9	Construction Joint(A-Type)	m ²	4,954		-
10	Expansion Joint	m ²	1,641		-
	Total of 2.2				-
etc					
Total					-

BILL 3 MAIN CANAL 2(STA.0~STA.18+024)

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
3.1.	Earthworks				
1	Woodcutting & Roots Removal	m ²	653,646		-
2	Cut(earth)	m ³	839,789		-
3	Embankment(Porterage & Compact)	m ³	84,555		-
4	Embankment(Dump truck15ton, L=3.3km)	m ³	925,533		-
5	Embankment(Dump truck15ton, L=3.3km)	m ³	375		-
6	Bottom compaction of Canal	m ²	135,144		-
7	Side-Slop Forming	m ²	266,485		-
8	Lined sod	m ²	163,046		-
9	Excavate (0.7m ³)	m ³	47,574		-
10	Backfill(Excavate 1.0m ³)	m ³	55,345		-
11	Murram Pavement	m ²	44,320		-

12	Safe Fence(h=2.2m)	m	33,726		-
	Total of 3.1				-
3.2.	Concrete Work of Lining Canal				
1	Lining Mashine(Con'c B180)	m ³	35,232		-
2	Lining Concrete Joint(cutting & sealing)	m	48,877		-
3	Lining of Ridge Gutter(Con'C B180)	m ³	428		-
4	Wire Mash(#6 150X150)	m ²	293,604		-
	Total of 3.2				-
3.3.	Structural Work of Siphone				
1	Wire Mash D=6mm	m ²	1,303		-
2	Con'C(B180)	m ³	806		-
3	Con'C(B240)	m ³	10,156		-
4	Plate form	m ²	29,642		-
5	Scaffolding	m ²	10,586		-
6	Support post	m ²	17,369		-
7	Reinforcing steel(SD30)	Ton	835		-
8	Construction Joint(A-Type)	m ²	3,064		-
9	HDPE Pipe (250mm)	m	460		-
10	Gate Valve (250mm)	No	4		-
11	Guard Rail	m	43		-
12	Temporary Stop Log(5m*3)	Ea	13		-
13	Temporary Stop Log(3m*3)	Ea	13		-
14	Ladder Height(4m)	Ea	1		-
15	Screen each(5*3 galvanised)	Ea	1		-
16	Screen each(5*3 galvanised)	Ea	1		-
17	Diversion Gate(5.0*3.0)	Ea	4		-
18	Diversion Gate(3.0*3.0)	Ea	1		-
19	Space Blocks	No	46,535		-
	Total of 3.3				-
3.4.	Structural Work of Control Gate				
1	Con'C(B160)	m ³	180		-
2	Con'C(B240)	m ³	1,317		-
3	Plate form	m ²	3,615		-

BILL 3 MAIN CANAL 2(STA.0~STA.18+024)

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
4	Scaffolding	m ²	1,234		-
5	Support post	m ²	1,786		-
6	Reinforcing steel(SD30)	Ton	120		-
7	Diversion Gate(3.0*2.5)	Ea	6		-
8	Diversion Gate(1.8*1.8)	Ea	3		-
9	Space Blocks	No	9,000		-
	Total of 3.4				-
etc					
Total					-

BILL 4 MC2 of Canal crossing structures

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
4.1.	Road connection structures				
1	Con'C(B160)	m ³	497		-
2	Con'C(B240)	m ³	13,427		-
3	Plate form	m ²	30,401		-
4	Scaffolding	m ²	23,568		-
5	Support post	m ²	25,153		-
6	Reinforcing steel(SD30)	ton	835		-
7	Space blocks	No	37,460		-
8	Asphalt Paint(2 coats)	m ²	11,748		-
9	Construction Joint(A-Type)	m ²	784		-
10	Guard Rail	m	590		-
11	Asphalt Pavement	m ²	11,748		-
	Total of 4.1				-
4.2.	Cross drainage structures				
1	Con'C(B160)	m ³	388		-
2	Con'C(B240)	m ³	4,469		-
3	Plate form	m ²	15,574		-
4	Scaffolding	m ²	6,648		-

5	Support post	m ²	6,059	-
6	Reinforcing steel(SD30)	ton	598	-
7	Space blocks	No	32,893	-
8	Asphalt Paint(2 coats)	m ²	7,732	-
9	Construction Joint(A-Type)	m ²	1,617	-
10	Expansion Joint	m ²	748	-
	Total of 4.2			-

etc				
Total				-

BILL 5 Water Supply

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
5.1.	Earth Works				
1	Excavation	m ³	25,316		-
2	Backfill	m ³	27,905		-
	Total of 5.1				-

5.2.	Structural Work				
1	stainless steel pipe 150mm	m	2.4		-
2	PE pipe SDR 26 150mm	m	4,600		-
3	PE pipe SDR 26 125mm	m	9,500		-
4	Transition Fitting 150mm	No	1		-
5	PE Flange 150mm	No	2		-
6	PE Reducer 125 x 50	No	15		-
7	PE Flange 125mm	No	15		-
8	Con'C(B180)	m ²	0		-
9	Con'C(B240)	m ²	29		-
10	Plate form	m ²	169		-
11	Scaffolding	m ²	46		-
12	Support post	m ²	46		-
13	Reinforcing steel	ton	2		-
14	Concrete pipe	m	0		-
15	Sand foundation	m ²	0		-
16	Water cleaning Facility(C-W2700S)	LS	1		-

17	Tower Water Tank	LS	1		-
	Total of 5.2				-
etc					
Total					-

BILL 6 Genarl Construction

Unit : USD

Item	Description	Unit	Quantity	Rate	Amount
6.1.	Temporary Office for construction				
1	Field Office(36months)	m ²	106		-
2	Ware House(36months)	m ²	130		-
	Total of 6.1				-
6.2.	Temporary road for construction				
1	Temporary Road(B=5.0 t=0.3)	m	18,077		-
	Total of 6.2				-
6.3.	Equipment transportation cost				
1	Track Trailer(20ton)	NO	4		-
2	Track(15ton)	NO	2		-
	Total of 6.3				-
6.4.	Plant installation and dismantling				
1	Plant installation and dismantling	LS	1		-
	Total of 6.4				-
6.5.	Quality test and management				
1	Field Compaction test	No	70		-
2	Make a test piece/Strength test	No	40		-
3	Slump Test	No	80		-
	Total of 6.5				-
6.6.	Environmental mitigation works				
1	Tire washing system(manual)	month	36		-
2	Water spraying vehicle	month	36		-
	Total of 6.6				-
6.7.	Car purchase cost				

1	Provisional sum for enhancement of client supervision through purchase of vehicles for ease of mobility	Lumpsum	1	1.00	400,000
	Total of 6.7				400,000
6.8.	First aid and safety equipments				
1	First aid and safety equipments	month	36		-
	Total of 6.8				-
6.9	Environmrntal Mitigation Measures				
	Provisional sum for Environmrntal mitigation measures	Lumpsum	1	1.00	500,000
	Total of 6.9				500,000
etc					
Total					900,000