SRI LANKA LAND DEVELOPMENT CORPORATION

BILL OF QUANTITIES FOR

REHABILITATION OF DAHAMWELA MAIN CANAL (FROM CH 3+025 TO CH.3+100)

KOLONNAWA STORM WATER DRAINAGE & ENVIRONMENT IMPROVEMENT PROJECT (KSWD&EIP) - Phase 1

Item	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1.0 /-	**PRELIMINARIES**				
	Insurance				
1.1	Allow sum for insurance of property, materials, injury to workmen and third party.	P. Sum			500,000.00
	Contractor's Facilities				
1.2	Provide construction, maintenance & dismantling of site office, stores, Labour accommodation including electricity & water with sanitary facilities.	L. Sum			
	Health, Safety and Environment				
1.3	Provide safeguarding of works & temporary sheds	month	3.00		
	Construction Management and Supervision				
1.4	Construction Management Site Engineer (part time).	month	3.00		
1.5	Construction Management Engineering Assistant (full time).	month	3.00		
	Quality, Standards & Progress				
1.6	Allow sum for preparing samples for testing, making arrangements for testing of materials, obtaining test reports and submitting the same to Engineer.	P. Sum			100,000.00
	TOTAL FOR PRELIMINARIES CARRIED TO SUMMARY				

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Item	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
2.0 /-	**PREPORATORY WORKS**				
2.1	Mobilization & Demobilization of machineries.	L. Sum			
2.2	Provision for relocation of utility services.	P. Sum			3,000,000.00
2.3	Provision for repair work of damages of properties.	P. Sum			7,500,000.00
2.4	Allow sum for temporary / incidental work dewatering and cofferdam .	L.Sum			
	TOTAL FOR PREPORATORY WORKS CARRIED TO SUMMARY				
3.0 /-	**SITE CLEARANCE**				
	Site Clearing and Removal of existing trees				
3.1	Clearing of Land including grubbing, weeding and Removal of existing trees including trunks, stumps and roots, bushes and disposal same as directed by Engineer.	L.Sum			
	Dismantle, removal and disposal of existing structures same to a distance up to 25 km as directed by Engineer.				
3.2	Removal and disposal of existing Concrete, Rubble and Brick/ block structures (20km to 25km distance)	P.sum			600,000.00
	TOTAL FOR SITE CLEARANCE CARRIED TO SUMMARY				

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	Item	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
	4.0 /-	**CONSTRUCTION OF REINFORCED CONCRETE FLUME**				
		All complete as per given Drawings, Specifications and Engineer's Instructions.				
		From Ch. 3 + 025 to Ch. 3 + 100				
0		**<u>Reinforced Concrete Flume</u>** **(Approx. Length - 75.0 m)**				
0 1	4.1	Supply & Fixing of Temporary Steel Sheet Pile - silent hammer as instruction given by Engineer.	m^2	1,630.00		
1 2	4.2	Excavation by means of machinery including leveling , site adjustment etc. (Nomal soil) and deposting the same along the bank.	m^3	1,395.00		
2 3	4.3	Spoil transportation (up to 5km distance) - Temporary disposal.	m^3	1,395.00		
3 4	4.4	Spoil transportation (20km to 25km distance) - Permanent disposal.	m^3	1,395.00		
4 5	4.5	Backfilling, spreading and levelling with sand approved by the Engineer & well compaction.	m^3	135.00		
5 6	4.6	Backfilling, spreading and levelling with important earth approved by the Engineer & well compaction.	m^3	322.20		
6 7	4.7	Backfilling, spreading and levelling with Available earth approved by the Engineer & well compaction.	m^3	432.00		
7 8	4.8	300mm thick Rubble(150x225mm) packing for base as per the detailed drawings	m^3	140.00		
8 9	4.9	Grade 20 (20mm) Screed concrete under concrete structure as per the detail in the drawings.	m^3	35.00		
9 10	4.10	Grade 30 (20mm) Ready mix Concrete in base & walls as per the detail in the drawings.	m^3	328.00		
10 11	4.11	Plain finished formwork for sides of concrete all complete as per the detailed drawing.	m^2	1,030.00		
11 12	4.12	Tor steel/Mild Steel reinforcement in concrete flume as per details given in drawings.	kg	39,223.00		

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Item	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
4.13	600mm long 20mm dia. Galvanized dowel bars at 400mm c/c including compressible filling dowel cap as per the detail in the drawing.	nr	336.00		
4.14	Forming Expansion Joint using water bar. Joint flex & Backer rod	m^2	61.20		
4.15	Supplying and placing 50mm dia (Type 600)PVC weep hole with granular materials	m	33.30		
	Operation and Maintenance Road (Approx.. Length - 75.0 m)				
4.16	Excavation by means of machinery including leveling , site adjustment etc. (Nomal soil) and deposting the same along the bank.	m^3	38.40		
4.17	Spoil transportation (up to 5km distance) - Temporary disposal.	m^3	38.40		
4.18	Spoil transportation (20km to 25km distance) - Permanent disposal.	m^3	30.72		
4.19	Levelling and compacting of existing gravel sub grade using 10ton roller to achieve required density , as per the detailed drawings and specification.	m^2	255.50		
4.20	Filling, spreading and levelling with available earth to the required level approved by the Engineer & well compaction.	m^3	99.70		
4.21	Filling, spreading and levelling with 500mm thick imported gravel approved by the Engineer & well compaction.	m^3	166.10		
	Road Side Drain (Approx.. Length - 75.0 m)				
4.22	Excavation by means of machinery including leveling , site adjustment etc. (Nomal soil) and deposting the same along the bank.	m^3	54.10		
4.23	Spoil transportation (up to 5km distance) - Temporary disposal.	m^3	54.10		
4.24	Spoil transportation (5km to 25km distance) - Permanent disposal.	m^3	43.28		
4.25	Backfilling, spreading and levelling with Imported earth approved by the Engineer & well compaction.	m^3	10.70		

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Item	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
4.26	Grade 20 (20mm) Screed concrete under concrete structure as per the detail in the drawings.	m^3	5.20		
4.27	Grade 25 (20mm) concrete for Base & walls as per the detail in the drawing.	m^3	14.60		
4.28	Plain finished formwork for sides of concrete all complete as per the detailed drawing.	m^2	190.20		
4.29	Tor steel/Mild Steel reinforcement in concrete as per details given in drawings.	kg	1,304.00		
4.30	Expansion joints at 12m intervals filling with Ridgiform as per details given in design drawings.	m^2	1.40		
	TOTAL FOR Ch. 3 + 025 to Ch. 3 + 100				
	CARRIED TO SUMMARY				

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SRI LANKA LAND DEVELOPMENT CORPORATION

BILL OF QUANTITIES

SUMMARY

REHABILITATION OF DAHAMWELA MAIN CANAL (FROM CH 3+025 TO CH.3+100)

KOLONNAWA STORM WATER DRAINAGE & ENVIRONMENT IMPROVEMENT PROJECT (KSWD&EIP) -

Bill No	Description	Amount (Rs)
1	Preliminaries	
2	Preporatory Works	
3	Site Clearance	
4	Construction of Reinforced Concrete Flume	
Sub Total I		
Add: 10% Physical Contingencies		
Sub Total II		
Add: 18% VAT		
GRAND TOATL		

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Total amount in words:

Rupees……..……

…… ……

Signature of contractor Seal

Name :……...……..……