

# SCHEDULE OF RATES AND PRICES

## 1.1 INTRODUCTION

The itemization of the schedule of Rates and Prices will provide the Employer with the information necessary to allocate costs into a variety of categories related to his business activities. The Tenderer shall price every item individually and grouping of items may render the Tender invalid. If, as a result of the Tenderer's chosen design, there is no cost involved with any item, the Tenderer shall enter "Nil" in the price column for such item. The word "included" or any other similar word will not be acceptable in any circumstances.

All rates, prices, sums and amounts shall be in Kenya shillings.

Provision is made in each part of the Schedule of Prices for the Tenderer to enter the cost of any item(s), which can be identified in his chosen design and not included in the printed items. In such instances, the Tenderer shall describe such items and to assist the Employer with the cost allocations described above, he shall breakdown the prices into the same categories of items as the printed items.

Quantities included are to provide a comparison of Tenders and should not be taken as those quantities actually required.

Should the Tenderer wish to submit proposals for an alternative design, this should be in the form of an alternative tender to a comparable level of detail.

### SCHEDULE OF PRICES

Item No.	Tender Clause	Description	Unit	Quantity	Price per unit	Total price
<b>GENERAL REQUIREMENTS</b>						
1.	1.1	Health , Safety and Security	Sum			
2.	1.2	Insurance	Sum			
3.	1.3	Documentation	Sum			
<b>Subtotal</b>						
<b>TAIL RACE TUNNEL INSPECTION WORKS</b>						
4.	2.2.1	Access to the tailrace tunnel outfall site	Sum			
5.	2.2.2	Compound and storage areas	Sum			
6.	2.2.3	Site Electrical Supply	Sum			
7.	2.2.4	Water Supplies	Sum			
8.	2.2.5	Sewage Disposal	Sum			
9.	2.2.6	Inspection Equipment	Sum			
10.	2.2.7	Safety Equipment	Sum			
11.	2.2.8.1	Dewatering pumps works	Sum			
12.	2.2.8.2	Contractor responsibility to Employer provided plant	Sum			

13.	2.3	Temporary cofferdam works	Sum			
14.	2.4	Tailrace tunnel dewatering	Sum			
15.	2.5	Tunnel remedial works - Load and transport spoil - Shotcrete rock surface and exposed steel arches 50mm thickness	M <sup>3</sup>	100		
			M <sup>2</sup>	100		
16.	2.6	Blasting and disposal of rock outcrops at tailrace outfall	M <sup>3</sup>	2000		
17.	2.7	Method Statements	Sum			
<b>Subtotal</b>						
<b>INTAKE WORKS</b>						
18.	3.2.1	Mobilization	Sum			
19.	3.2.2	Gate chain cover replacement	Sum			
20.	3.2.3	Intake gate guides inspection	Sum			
21.	3.2.4	Remedial works on intake gate guides	Sum			500,000.00
22.	3.2.5	Service the gate rollers and grease them	No.	24		
23.	3.2.6	Sand blasting and painting gate, gate guides and gate rollers	Sum			
24.	3.2.7	Surface preparation and painting of all intake steel structures	Sum			
25.	3.2.8	Supply and replace gate seals	Gate	1		
26.	3.2.9	Repair of intake gate stoplogs	Gate	6		
<b>Subtotal</b>						
<b>DRAFT TUBE GATES AND CRANE WORKS</b>						
27.	4.2.1	Mobilization work	Sum			
28.	4.2.2	Weeping rock face repairs	Sum			
29.	4.2.3	Inspect the draft tube crane monorail beam anchorage	Sum			
30.	4.2.4	Reinforce the crane monorail beam anchorage	Sum			200,000.00
31.	4.2.5	Balance the gate lifting beam	Sum			

32.	4.2.6	Roof replacement	Sum			
33.	4.2.7	Painting all the steel structures	Sum			
34.	4.2.8	Draft tube Gate guides	Sum			
35.	4.2.9	Gate guides remedial works	Sum			500,000.00
36.	4.2.10	Replacement of draft tube gate seals	Gates	3		
37.	4.2.11	Repair of Draft tube concrete section waterway	Sum			2,000,000.00
<b>Subtotal</b>						
<b>SPILLWAY WORKS</b>						
38.	5.2.1	Mobilization work	Sum			
39.	5.2.2	Align crane travel rail lines	Sum			
40.	5.2.3	Supply and install permanent guard rails on gate 1, 2 & 3	Sum			
41.	5.2.4	Sandblasting and painting works on the three gates and the stop logs	Sum			
42.	5.2.5	Balance crane lifting beam.	Sum			
43.	5.2.6	Sandblast and paint the crane	Sum			
44.	5.2.7	Supply of materials and servicing all expansion joints at the spillway	Sum			
45.	5.2.8	Supply and replace all hydraulic oil piping	Sum			
46.	5.2.9	Service and paint spillway servomotors	Sum			
<b>Subtotal</b>						
<b>PENSTOCK WORKS</b>						
47.	6.2.1	Mobilization work				
48.	6.2.2	Inspect the penstock tunnel and submit report	Sum			
49.	6.2.3	Sandblasting and painting of steel lined section	M <sup>2</sup>	2000		
50.	6.2.4	Removal and Disposal of rock debris and soil deposits at the adit tunnel	M <sup>3</sup>	50		
		Construction of drain chamber, grate trap and ladder works	Sum			

51.	6.2.5	Seal leakage at the lintel of adit tunnel to the penstock	Sum			
<b>Subtotal</b>						
<b>POWERHOUSE WORKS</b>						
52.	7.1.1	Mobilization work				
53.	7.1.2	Draft tube floor and stair case works	M <sup>2</sup>	250		
54.	7.1.3	Turbine floor works	M <sup>2</sup>	200		
55.	7.1.4	Generator floor works	M <sup>2</sup>	540		
56.	7.1.5	Powerhouse painting	Sum			
<b>Subtotal</b>						
<b>TOTAL</b>						

### **DAY WORK NOTES**

This Day work Schedule is that referred to in Part III clause 37.

The rates for 'day work' shall apply to work instructed by the Engineer to be carried out on a daywork basis at any time up to the date of the Defects Correction Certificate.

The Daywork Schedule for this Contract is incorporated in the following clauses which enable the contractor to quote rates and percentage variation for any work which may be ordered to be paid for on a daywork basis.

#### **A. Day work Labour**

The contractor is required to provide hourly rates that shall apply to any dayworks ordered. The rate shall be fully inclusive.

The rates quoted shall remain unchanged for the duration of the Contract.

NO.	WORKER	UNIT OF MEASURE	RATE	PERCENTAGE ADDITION <sup>+</sup>
1	Unskilled	Per Hour		
2	Craftsman	Per Hour		
3	Plant operator	Per Hour		
4	Foreman	Per Hour		
5	Technician	Per Hour		
6	Engineer	Per Hour		

#### NOTES

+ - Percentage addition to above rates for daywork carried out at on continuous shift working when specifically agreed with the Engineer. (Contractor to insert percentage required with no extension).

**B. Daily works plant**

Contractor to provide hourly rates for all kinds of equipment that are relevant to this contract. Provide list.

NO.	TYPE OF EQUIPMENT	UNIT OF MEASURE	RATE
1		Per Hour	
2		Per Hour	
3		Per Hour	
4		Per Hour	
5		Per Hour	
6		Per Hour	

**C. Specialized works**

Contractor to provide unit rates for supply of materials and execution for the following specialized works.

NO.	TYPE OF WORKS	UNIT OF MEASURE	RATE
1	Painting on metallic surfaces	Per M <sup>2</sup>	
2	Welding to rebuild surfaces	Per CM <sup>3</sup>	
3	Mass concrete class 25	Per M <sup>3</sup>	