

CHIMNEYS (WEST AND EAST) CIVIL INSPECTION AND REPAIRS DURING OUTAGE AT KUSILE POWER STATION FOR A PERIOD OF FIVE (5) YEARS - REV 1

ITEM NO	DESCRIPTION	UNIT	NO	DURATION	RATE	AMOUNT
	ITEM 1					
1	<u>PRELIMINARIES AND GENERAL</u>					
1.1	<u>Fixed Charges</u>					
1.1.1	Entry Medicals	Once/Year	19	5		
1.1.2	Exit Medicals	Once Off	19	1		
1.1.3	Security / Police Clearance certification	Once/Year	19	5		
1.1.4	Safety File	Once Off	1	1		
1.2	<u>PPE (Once per Outage):</u>					
1.2.1	Eye protection (safety goggles)	Once/Outage	19	27		
1.2.2	Ear protection (ear plugs)	Once/Outage	19	27		
1.2.3	Dust mask	Once/Outage	19	27		
1.2.4	Gloves	Once/Outage	19	27		
1.2.5	White dust overall	Once/Outage	19	27		
1.2.6	Overall	Once/Outage	19	27		
1.2.7	Boots	Once/Outage	19	27		
1.2.8	Hardhats	Once/Outage	19	27		
1.3	<u>Site Establishment and De-Establishment:</u>					
1.3.1	Establishment of Facilities on the Site	Once Off	1	5		
1.3.2	Site Office Container (1 No , with Air-Con): 12m x 3m	Once Off	1	1		
1.3.3	Site Office Container (1 No for 5 years insulated, with Air-Con): 6m x 3m	Once Off	1	1		
1.3.4	Site Storage Container (1 No for 5 years): 6m x 3m	Once Off	1	1		
1.3.5	Kitchen Container (1 No for 5 years): 6m x 3m	Once Off	1	1		
1.3.6	Meeting Container (1 No for 5 years insulated, with Air-Con): 6m x 3m	Once Off	1	1		
1.4	<u>Transportation:</u>					
1.4.1	Transport - Kombi (1No for 34 months): 22 Seater	Monthly	1	34		
1.4.2	Travelling LDV (1 No @ Maximum 180km/round trip for 34 Months)	KM	6 120	34		
	Sub-Total Item 1 (Preliminaries and General) Carried to Final Summary					
	ITEM 2					
2	<u>SITE RESOURCES</u>					
2.1	<u>NORMAL TIME</u>					
	<u>Normal working hours are working hours that fall within the following periods:</u>					
	<i>Mondays - Fridays: 07:00 - 16:00</i>					
2.1.1	Site Manager (B.Tech - Civil Eng / B.Eng - Civil Eng with +5 Years Experience) (1 No.)	Hours	1	5 496		
2.1.2	Supervisor (N.Dip - Civil Eng with +5 Years Experience) (1 No.)	Hours	1	5 496		
2.1.3	Planner (N.Dip - Planning with +3 Years Experience) (1 No.)	Hours	1	5 496		
2.1.4	Site Clerk (N.Dip - Business Administration with +3 Years Experience) (1 No.)	Hours	1	5 496		
2.1.5	Safety Officer (N.Dip - Safety or SAMTRAC Qualification with +5 Years Experience) (1 No.)	Hours	1	5 496		
2.1.6	Quality Inspector (N.Dip - Quality Qualification with +3 Years Experience) (1 No.)	Hours	1	5 496		
2.1.7	Civil Engineer (B.Tech - Civil Eng / B.Eng - Civil Eng with +3 Years Experience) (1 No.)	Hours	1	5 496		
2.1.8	Technician (Cert. / B.Tech - Civil Eng / B.Eng - Civil Eng with +3 Years Experience) (2 No.)	Hours	2	5 496		
2.1.9	Rigger (Grade 12 and Rigging Certificate with +3 Years Experience) (2 No.)	Hours	2	5 496		
2.1.10	Fitter (Grade 12 and Trade Test with +2 Years Experience) (4 No.)	Hours	4	5 496		
2.1.11	General Workers (Grade 12 with +1 Years Experience) (4 No.)	Hours	4	5 496		
	Subtotal Item 2.1 Normal Time					
2.2	<u>NORMAL OVERTIME</u>					
	<u>Normal overtime working hours are working hours that fall within the following periods:</u>					
	<i>Mondays - Fridays: 16:00 - 07:00</i>					
	<i>Saturdays: 00:00 - 23:59</i>					
2.2.1	Site Manager (B.Tech - Civil Eng / B.Eng - Civil Eng with +5 Years Experience) (1 No.)	Hours	1	3 876		
2.2.2	Supervisor (N.Dip - Civil Eng with +5 Years Experience) (1 No.)	Hours	1	3 876		
2.2.3	Planner (N.Dip - Planning with +3 Years Experience) (1 No.)	Hours	1	3 876		
2.2.4	Site Clerk (N.Dip - Business Administration with +3 Years Experience) (1 No.)	Hours	1	3 876		
2.2.5	Safety Officer (N.Dip - Safety or SAMTRAC Qualification with +5 Years Experience) (1 No.)	Hours	1	3 876		
2.2.6	Quality Inspector (N.Dip - Quality Qualification with +3 Years Experience) (1 No.)	Hours	1	3 876		
2.2.7	Civil Engineer (B.Tech - Civil Eng / B.Eng - Civil Eng with +3 Years Experience) (1 No.)	Hours	1	3 876		
2.2.8	Technician (Cert. / B.Tech - Civil Eng / B.Eng - Civil Eng with +3 Years Experience) (2 No.)	Hours	2	3 876		
2.2.9	Rigger (Grade 12 and Rigging Certificate with +3 Years Experience) (2 No.)	Hours	2	3 876		
2.2.10	Fitter (Grade 12 and Trade Test with +2 Years Experience) (4 No.)	Hours	4	3 876		
2.2.11	General Workers (Grade 12 with +1 Years Experience) (4 No.)	Hours	4	3 876		
	Subtotal Item 2.2 Normal Overtime					
2.3	<u>OVER TIME: SUNDAYS & PUBLIC HOLIDAYS</u>					
	<u>Overtime: Sundays and Public Holidays working hours are working hours that fall within the following periods:</u>					
	<i>Sundays: 00:00 - 23:59</i>					
	<i>Public Holidays: 00:00 - 23:59</i>					
2.3.1	Site Manager (B.Tech - Civil Eng / B.Eng - Civil Eng with +5 Years Experience) (1 No.)	Hours	1	2 208		
2.3.2	Supervisor (N.Dip - Civil Eng with +5 Years Experience) (1 No.)	Hours	1	2 208		
2.3.3	Planner (N.Dip - Planning with +3 Years Experience) (1 No.)	Hours	1	2 208		
2.3.4	Site Clerk (N.Dip - Business Administration with +3 Years Experience) (1 No.)	Hours	1	2 208		
2.3.5	Safety Officer (N.Dip - Safety or SAMTRAC Qualification with +5 Years Experience) (1 No.)	Hours	1	2 208		
2.3.6	Quality Inspector (N.Dip - Quality Qualification with +3 Years Experience) (1 No.)	Hours	1	2 208		
2.3.7	Civil Engineer (B.Tech - Civil Eng / B.Eng - Civil Eng with +3 Years Experience) (1 No.)	Hours	1	2 208		
2.3.8	Technician (Cert. / B.Tech - Civil Eng / B.Eng - Civil Eng with +3 Years Experience) (2 No.)	Hours	2	2 208		

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ITEM NO	DESCRIPTION	UNIT	NO	DURATION	RATE	AMOUNT
2.3.9	Rigger (Grade 12 and Rigging Certificate with +3 Years Experience) (2 No.)	Hours	2	2 208		
2.3.10	Fitter (Grade 12 and Trade Test with +2 Years Experience) (4 No.)	Hours	4	2 208		
2.3.11	General Workers (Grade 12 with +1 Years Experience) (4 No.)	Hours	4	2 208		
	Subtotal Item 2.3 Sundays and Public Holidays Overtime					
	Sub-Total Item 2 (Site Resources) Carried to Final Summary					
3	ITEM 3 PLANT, TOOLS AND EQUIPMENT <u>Rope Access Equipment</u> 3.1.1 Singing Rock Expert III Std #M-L (1 per resource, per outage) Once/Outage 19 27 3.1.2 Petzl Vertex Best Helmet (1 per resource, per outage) Once/Outage 19 27 3.1.3 Petzl Croll (10 per resource, per outage) Once/Outage 190 27 3.1.4 Petzl Ascension Right Hand (new 2015) (5 per resource, per outage) Once/Outage 95 27 3.1.5 Gravity Etrier 5 step Double A3 (10 per resource, per outage) Once/Outage 190 27 3.1.6 Singing Rock Locker (5 per resource, per outage) Once/Outage 95 27 3.1.7 Singing Rock Locker Sling (5 per resource, per outage) Once/Outage 95 27 3.1.8 Petzl Rig (1 per resource, per outage) Once/Outage 19 27 3.1.9 Cow Tail Set (5 per resource, per outage) Once/Outage 95 27 3.1.10 Steel Oval S/Gate 25kN (5 per resource, per outage) Once/Outage 95 27 3.1.11 Gravity Anchor Sling 1,5m S9 (5 per resource, per outage) Once/Outage 95 27 3.1.12 Gravity 120cm Open Round Sling S14 (15 per resource, per outage) Once/Outage 95 27 3.1.13 Gravity 60cm open Round Sling S13 (5 per resource, per outage) Once/Outage 95 27 3.1.14 Steel Scaffold Hook (5 per resource, per outage) Once/Outage 95 27 3.1.15 Gravity Rope Edge Protector 50cm A4 (5 per resource, per outage) Once/Outage 95 27 3.1.16 Gravity PVC Kitbag 110L B3 (5 per resource, per outage) Once/Outage 95 27 3.1.17 Beal Antipode Semi - Static 10,5mm 2x100m or 1x200m (1 per resource, per outage) Once/Outage 19 27 3.1.18 Petzel Rescue Pulley (5 per resource, per outage) Once/Outage 95 27 3.1.19 Singing Rock 11cm Sling-Budget (5 per resource, per outage) Once/Outage 95 27 3.1.20 Petzl Stop (5 per resource, per outage) Once/Outage 95 27 <u>Windshield Cleaning Equipment</u> 3.2.1 Pressure water washer (max pressure of 150Bar) Once-Off 2 1 3.2.2 Wire brushes Once/Year 14 5 Sub-Total Item 3 (Plant, Tools and Equipment) to Final Summary					
	FINAL SUMMARY					
ITEM 1	PRELIMINARIES AND GENERAL					
ITEM 2	SITE RESOURCES					
ITEM 3	PLANT, TOOLS AND EQUIPMENT					
	Final Summary					