

PROJECT : REFURBISHMENT OF MECHANICAL EVAPORATORS AT KUSILE POWER STATION FOR A PERIOD OF NINE (9) MONTHS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	<u>ITEM 1</u> <u>PRELIMINARIES AND GENERAL</u>				
1.1	Preliminaries and General	Item	1.00		
	Total Item 1 (Preliminaries and General) carried to Final Summary :				
2	<u>ITEM 2</u> <u>RESOURCES</u>				
2.1	Normal Hours	Item	1.00		
2.2	Overtime - Saturdays	Item	1.00		
2.3	Overtime - Sundays	Item	1.00		
	Total Item 2 (Resources) carried to Final Summary :				
3	<u>ITEM 3</u> <u>SUPPLY, INSTALL AND REFURBISH MECHANICAL EVAPORATORS</u>				
3.1	Supply, Install and Refurbish of Mechanical Evaporators	Item	1.00		
	Total Item 3 (Supply, Install and Refurbish of Mechanical Evaporators) carried to Final Summary :				
	<u>FINAL SUMMARY</u>				
ITEM 1	PRELIMINARIES AND GENERAL				
ITEM 2	RESOURCES				
ITEM 3	SUPPLY, INSTALL AND REFURBISH MECHANICAL EVAPORATORS				
	Final Summary Total (Excl VAT)				

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ITEM NO.	DESCRIPTION	UOM	QUANTITY	RATE	AMOUNT
1	<u>PRELIMINARIES AND GENERAL</u>				
1.1.1	Site Establishment for: Delivery of Storage Containers (3m x 12m)	Once Off	1		
1.1.2	Site Establishment for: Delivery of Ablution Container (3m x 6m)	Once Off	1		
1.1.3	De-Establishment for: Delivery of Storage Containers (3m x 12m)	Once Off	1		
1.1.4	De-Establishment for: Delivery of Ablution Container (3m x 6m)	Once Off	1		
1.1.5	Safety file	Once Off	1		
1.1.6	PPE	Per Person	4		
1.1.7	Medicals - Entry (Per Person)	Per Person	4		
1.1.8	Medicals - Exit (Per Person)	Per Person	4		
1.1.9	Police Clearance Certification (Per Person)	Per Person	4		
1.1.10	Steel Storage Containers (3m x 12m) (1 Off)	Per Month	9		
1.1.11	Ablution: 3m x 6m - 11 Toilet Split M/F (1 Off)	Per Month	9		
1.1.12	Site Bakkie (4x2 Double Cab Bakkie) (1 Off)	Per Month	9		
1.1.13	Truck 8 Ton (1 Off)	Per Month	9		
1.2	<u>Health and Safety Trainings</u>				
1.2.1	Training (Confined space) (Per Person)	Per Person	3		
1.2.2	Legal Liability training	Per Person	1		
1.2.3	OHS Act	Per Person	1		
1.2.4	Supervisory Safety	Per Person	1		
1.2.5	Planned Job Observation	Per Person	1		
1.2.6	HIRA	Per Person	1		
1.2.7	Incident Investigation	Per Person	1		
1.2.8	First Aid	Per Person	1		
1.2.9	Fire-Fighting Training	Per Person	1		
1.2.10	Hazardous Chemical Agent (Substance)	Per Person	1		
1.2.11	Evacuation Warden	Per Person	1		
1.3	<u>OCCUPATIONAL HYGIENE SURVEYS / (HEALTH RISK ASSESSMENTS)</u>				
1.3.1	Illumination for Office, Kitchen, Ablution and Storage Containers (valid for 2 years)	No	1		
1.3.2	Indoor Air Quality for Office container (valid for 2 years)	No	1		
1.3.3	Ergonomics (valid for 2 years)	No	1		
	Sub-total Item 1 (Preliminaries and General) carried to Final Summary:				
2	<u>RESOURCES</u>				
2.1	<u>Normal Hours</u>				
2.1.1	Site Manager – 3 Years Relevant experience (1 Off)	Hours	1467		
2.1.2	Safety Officer – 3 Years Relevant experience (1 Off)	Hours	1467		
2.1.3	Technician - Mechanical- 3 Years Relevant experience (2 Off)	Hours	2934		
	Sub-total for Normal Hours :				
2.2	<u>Overtime - Saturday</u>				
2.2.1	Site Manager – 3 Years Relevant experience (1 Off)	Hours	312		
2.2.2	Safety Officer – 3 Years Relevant experience (1 Off)	Hours	312		
2.2.3	Technician - Mechanical- 3 Years Relevant experience (2 Off)	Hours	624		
	Sub-total for Saturday - Overtime :				
2.3	<u>Overtime - Sundays and Public Holidays</u>				
2.3.1	Site Manager – 3 Years Relevant experience (1 Off)	Hours	392		
2.3.2	Safety Officer – 3 Years Relevant experience (1 Off)	Hours	392		
2.3.3	Technician - Mechanical- 3 Years Relevant experience (2 Off)	Hours	784		
	Sub-total for Overtime - Sundays and Public Holidays :				
	Total for Item 2 (Resources) Carried to Final Summary :				
3	<u>SUPPLY, INSTALL AND REFURBISH MECHANICAL EVAPORATORS</u>				
3.1.1	Refurbish motors - (Wash & Bake , bearings & Seals)	Each	12		
3.1.2	Handpumps - Hydraulic angle setting	Each	6		
3.1.3	Sandblast , Repair frames off site	Each	6		
3.1.4	New pipework includes all braided hose	Each	6		
3.1.5	Re install evaporators , pipework , pumps & test	Item	1		
3.1.6	Labor electrical & commissioning	Item	1		
3.1.7	Spare pump set complete - OEM impeller blue gel coated	Item	1		
3.1.8	Spare evaporator rings assembly - Stainless steel	Item	1		
3.1.9	Spare nozzle set for rotation	Item	1		
3.1.10	Spare evaporator motor & belly plate assy	Item	1		
3.1.11	Spare pipe assembly	Item	1		
3.1.12	Pump impeller - Specialized coating OEM	Item	1		
3.1.13	Pressure washer & Flowbin	Item	1		
3.1.14	Evaporator impeller	Item	1		
	Total for Item 3 (Supply, Install and Refurbish Mechanical Evaporators) Carried to Final Summary :				
	Total (Excl VAT)				