

1 PRELIMINARIES AND GENERAL - FIXED RELATED ITEMS

Item No.	Description	Unit	Activities/ Months	QTY/36 MONTHS	Total QTY	Rate	Amount	Comments (Explain the rate buildup here)
1.1	Containers (6m Site Office (Standard) (x2)	Monthly	2	36	72			
1.1	6m Ablution facility	Monthly	1	36	36			
1.2	Comms (LTE/data/printing allowance)	Monthly	1	36	36			
1.3	Transport for Site establishment	Sum	1	1	1			
1.4	Transport for suspended platforms	Monthly	2	1	2			
1.5	Site-De-establishment	Sum	1	1	1			
1.6	Site Bakkie	Monthly	1	36	36			
1.7	Accommodation	Monthly	1	36	36			
1.8	Medicals for staff (In and Out)	No	31	2	62			
1.9	PPE for staff (2x per year)	No	31	2	62			
1.10	Site Storage	Monthly	1	36	36			
1.11	Consumables - Cleaning consumables – broom/brush/shovel	Monthly	1	36	36			
1.12	Consumables - Mechanical wear items – chisels, discs, filters	Monthly	1	36	36			
1.13	Consumables - Safety consumables – dust masks, ear protection	Monthly	1	36	36			
1.14	Consumables - General site consumables – tapes, markers	Monthly	1	36	36			

2 PRELIMINARIES AND GENERAL - TIME RELATED ITEMS

Item No.	Description	Unit	Number	Hrs per months	Total Hrs	Project duration	Total hours over 3 Years	Rate	Amount	Comments
2.1	Level 3 rope technician	Hrs	2	173	346	36	12456			
2.2	Level 2 rope technician	Hrs	4	173	692	36	24912			
2.3	Level 1 rope technician	Hrs	8	173	1384	36	49824			
2.4	Safety officer	Hrs	1	173	173	36	6228			
2.5	Quality Assurance level 1	Hrs	1	173	173	36	6228			
2.6	Rope technicians	Hrs	2	173	346	36	12456			
2.7	Riggers	Hrs	2	173	346	36	12456			
2.8	General Labour	Hrs	8	173	1384	36	49824			

3 EQUIPMENT MAINTANANCE AND OUTAGE

Item No.	Description	Unit	Activities/ Months	QTY/36 MONTHS	Total QTY	Rate	Amount	Comments (Explain the rate buildup here)
3.1	Nylon 12x3m safety net with 20mm diameter x 5m long opens to four sides of Ash box including installing and removal	Monthly	4	36	144			
3.2	Rental of mobile suspend platform 6m including operator	Monthly	1	36	36			
3.2	Rental of mobile suspend platform 6m including operator	Monthly	1	36	36			
3.3	Installation and dismantle of suspended platforms	Monthly	1	36	36			
3.6	Assemble load test	Monthly	1	36	36			
3.7	Installation and removal of life line in the boiler	Monthly	6	36	216			
3.8	Safety ropes	Once off	1	36	36			
3.9	Electrical jack hammer	Once off	1	36	36			
4	Compressor jack hammer	Once off	1	36	36			
4.1	Camera	Once off	1	36	36			
4.2	Safety net	Once off	2	3	6			

4 OUTAGE AS AND WHEN REQUIRED

4.1 Clinker ash removal on the bumers and front wall

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.1.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.1.2	Level 2 rope technician	Hrs	1	173	519	1.125	583.875			
4.1.3	Level 1 rope technician	Hrs	4	173	2076	1.125	2335.5			
4.1.4	Safety officer	Hrs	1	173	519	1.125	583.875			
4.1.5	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.1.6	Riggers	Hrs	2	173	1038	1.125	1167.75			
4.1.7	General Labour	Hrs	2	173	1038	1.125	1167.75			

4.2 Clinker ash removal on the super heaters

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.2.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.2.2	Level 2 rope technician	Hrs	2	173	1038	1.125	1167.75			
4.2.3	Level 1 rope technician	Hrs	6	173	3114	1.125	3503.25			
4.2.4	Safety officer	Hrs	1	173	519	1.125	583.875			
4.2.5	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.2.6	Riggers	Hrs	2	173	1038	1.125	1167.75			
4.2.7	General Labour	Hrs	2	173	1038	1.125	1167.75			

4.3 Clinker ash removal in the bottom slope

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.3.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.3.2	Safety officer	Hrs	1	173	519	1.125	583.875			
4.3.3	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.3.4	General Labour	Hrs	8	173	4152	1.125	4671			

4.4 Clinker ash removal on the top nose

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.4.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.4.2	Level 2 rope technician	Hrs	2	173	1038	1.125	1167.75			
4.4.3	Level 1 rope technician	Hrs	4	173	2076	1.125	2335.5			
4.4.4	Safety officer	Hrs	1	173	519	1.125	583.875			
4.4.5	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			

4.5 Clinker ash removal on the rear pass wall

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.5.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.5.2	Level 2 rope technician	Hrs	2	173	1038	1.125	1167.75			
4.5.3	Level 1 rope technician	Hrs	4	173	2076	1.125	2335.5			
4.5.4	Safety officer	Hrs	1	173	519	1.125	583.875			
4.5.5	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.5.6	General Labour	Hrs	2	173	1038	1.125	1167.75			

4.6 Clinker ash removal on the bottom dust hoppers

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.6.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.6.2	Safety officer	Hrs	1	173	519	1.125	583.875			
4.6.3	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.6.4	General Labour	Hrs	8	173	4152	1.125	4671			

4.7 Clinker ash removal on the economiser hopper 12ml and 0ml

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.7.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.7.2	Safety officer	Hrs	1	173	519	1.125	583.875			
4.7.3	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.7.4	General Labour	Hrs	8	173	4152	1.125	4671			

4.8 Clinker ash removal on the side walls

Item No.	Description	Unit	Number	Hrs per months	Total Hrs over 3 months	Project duration	Total hours over 3 Years	Rate	Amount	Comments
4.8.1	Level 3 rope technician	Hrs	1	173	519	1.125	583.875			
4.8.2	Level 1 rope technician	Hrs	2	173	1038	1.125	1167.75			
4.8.3	Safety officer	Hrs	1	173	519	1.125	583.875			
4.8.4	Quality Assurance level 1	Hrs	1	173	519	1.125	583.875			
4.8.5	General Labour	Hrs	4	173	2076	1.125	2335.5			

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