

CENTRAL ENERGY FUND BUILDING- Electrical Compliance Construction Tender		
BILL OF QUANTITIES		
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BILL OF QUANTITIES

GENERAL NOTES

1. This Bill of Quantities forms part of, and must be read in conjunction with the complete reports and drawings. Prices are based on the latest available prices on submission of the document.

2. The building is occupied during normal working hours. The contractor must as far as reasonable possible cause minimum disturbances to workers. Working outside these normal hours is encouraged.

3. Safety is to be of paramount importance during the execution of the works. No live work is to be done. Installations shall be treated as live unless tested otherwise. Appropriate PPE shall be worn at all times.

4. Work at all times shall be done under the supervision of a competent person.

5. If unsure about any building aspect. The CEF official shall be approached for clarity. No work shall be done where there's uncertainty or under assumptions.

6. Installation Regulations in particular SANS 10142(latest edition) shall be utilised for the scope.

7. Drawings supplied are for maintenance purposes only. Where not explicitly mentioned. All mentioned lights shall be replaced by their LED equivalent.

8. Due to the urgency of the project. CEF reserves the right to implement penalties or remove the contractor entirely on site due to unnecessary delays.

9. Contingencies are added to the project value in order to account for any miscellaneous equipment required to complete the scope required. Material wastage shall be at borne by the implementing agent.

10. CEF shall not be held responsible for any costs incurred outside the scope of work.

ITEM	BILL No. 1 PRELIMINARY AND GENERAL	UNIT	QTY	RATE	AMOUNT
	<u>SITE SERVICES</u>				
A	Allow for attending site meetings and progress reporting.	Item	4		
	<u>SCAFFOLDING</u>				
B	Provide all necessary scaffolding, walkways, ladders and supports as may be necessary for the works and removal after completion.	Item	1		
	<u>DRAWINGS</u>				
C	Allow for the provision of update of maintenance drawings, post execution works	Item	8		
	<u>GUARANTEE</u>				
D	Guarantee of the works for the period (1 year) post works handover.	Item	1		

ITEM	BILL No. 2 LABOUR RATES	UNIT	QTY	RATE	AMOUNT
	<u>LABOUR RATES</u>				
A	Supervisor/Foreman	per hour	160		
B	Electrician	per hour	160		
C	Master Installation Electrician	per hour	160		
D	Labourer	per hour	160		
E	Professional Engineer	per hour	80		
	<u>TRANSPORT</u>				
F	Vehicle up to 2150cc	per km	1200		
	<u>TESTING</u>				
G	Certificate of Compliance (CoC) Issuance	No.	5		
	<u>OTHER</u>				
H	PPE & Safety File	No.	1		

ITEM	BILL No. 3 BASEMENT FLOOR	UNIT	QTY	RATE	AMOUNT
1	Supply and replace existing non-functioning Fluorescent light fitting -58W 4ft with LED equivalent	W	45		
2	Supply and replace defective 220VAc motion sensors	V	3		
3	Supply and install Alcolin Fire Stop sealant form(750ml) where cables cross adjacent rooms.	ml	6		
4	Supply and join the cut-off earth cable-50mm ² x 1 core bare copper.	m	20		
5	Supply and fit 50mm ² lugs for copper cable joint	No.	4		
6	Replace damaged cables (2,5mm ² X3 core twin & earth)	m	100		
7	Supply and install new junction boxes, inspection joints & Utility box IP68 Grey M20, 4 Way	No.	20		
8	Supply and install new steel compression glands size 00	No.	60		

ITEM	BILL NO. 4 MAIN ENTRANCE RECEPTION	UNIT	QTY	RATE	AMOUNT
1	Rewire plugs and power skating plugs. (Main entrance Reception)	No.	6		
2	Supply and install equipment for new plugs (Main entrance Reception) 3 core, 2,5mm² twin each; 100m	m	100		
3	DB labelling-All plugs	No			
4	Supply and replace the plug with a 4x4 crabtree double switch sockets at the Small Board room.	No.	2		
5	Supply and replace the plug with a 4x4 crabtree double switch sockets at the EPD Open Plan	No.	6		
6	Supply and replace the plug with a 4x4 crabtree double switch sockets at the kitchen	No.	1		
7	Supply and install a 4x2 isolator for the hydroboil at the kitchen	No.	1		
8	Supply and replace the tubes (with LED equivalent) on the ceiling-Public Re 600x600mm-T5, 14W	No.	36		
9	Supply and replace the tubes (with LED equivalent) on the ceiling-Public Re 600x600mm-T5, 14W	No.	3		
10	Supply and replace the tubes (with LED equivalent) on the ceiling-Investmen 600x600mm-T5, 14W	No.	18		
11	Supply and replace the plug floor box -c/w carpet lid at Vuyo's Office	No.	1		
12	Supply and replace the round downlight fittings (with LED equivalent) next to investment office.	No.	2		
13	Supply and replace the round downlight fittings (with LED equivalent) next to investment office.	No.	2		
14	Supply and replace the tubes (with LED equivalent) on the ceiling-Investmen 600x600mm-T5, 14W	No.	18		
15	Supply and replace 50x50 frame radiant board at the Security Manager's Office.	No.	1		
16	Supply and replace 50x50 frame radiant board at the auditorium entrance	No.	1		
17	Supply and replace the tubes (with LED equivalent) on the ceiling-Auditorium 600x600mm-T5, 14W	No.	36		
18	Supply and replace the plug with a 4x4 crabtree double switch sockets at Auditorium 3 & 4	No.	2		
19	Supply and replace the tubes (with LED equivalent) on the ceiling-Auditorium 600x600mm-T5, 14W	No.	9		
20	Supply and replace LED light fittings (with LED equivalent) at the canteen b	No.	10		
21	Supply and replace the tubes (with LED equivalent) on the ceiling-Canteen 600x600mm-T5, 14W	No.	18		

22	Supply and replace the round downlight fittings (with LED equivalent	No.	1	
23	Supply and replace the tubes (with LED equivalent) on the ceiling-Dining Area 600x600mm-T5, 14W	No.	9	
24	Supply and replace the round downlight fittings (with LED equivalent	No.	5	
25	Supply and Replace recessed socket outlet in the Main Boardroom	No.	1	
26	Supply and replace 58W, 4ft Fluorescent light with LED equivalent in the canteen area.	No.	2	
27	Supply and replace IP65 broken isolator	No.	1	

ITEM	BILL NO. 5 FIRST FLOOR	UNIT	QTY	RATE	AMOUNT
1	Supply and replace the round downlight fittings (with LED equivalent) in the gents toilet.	No.	1		
2	Supply and replace the round downlight bulb (with LED equivalent) in the ladies toilet.	No.	1		
3	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 101 600x600mm-T5, 14W	No.	18		
4	Secure and fit the Socket Outlet cover at office 101 with additional screws.	No.	2		
5	Supply and replace the tubes (with LED equivalent) on the ceiling-Open Plan 600x600mm-T5, 14W	No.	18		
6	Secure and fit the Socket Outlet cover at office 104 with additional screws.	No.	2		
7	Supply and replace the tubes (with LED equivalent) on the ceiling-IT office 105 600x600mm-T5, 14W	No.	9		
8	Supply and replace the tubes (with LED equivalent) on the ceiling-Pause area 600x600mm-T5, 14W	No.	9		
9	Supply and replace the plug with a 4x4 crabtree double switch sockets at the Main kitchen	No.	1		
10	Supply and install an isolator for the Hydro-boil at the kitchen-1 pole, 20A	No.	1		
11	Supply and replace the tubes (with LED equivalent) on the ceiling-Open plan 600x600mm-T5, 14W	No.	18		
12	Supply and replace the tubes (with LED equivalent) on the ceiling-Open plan 600x600mm-T5, 14W	No.	36		
13	Supply and install a new 4x4 crabtree double pole switch 16A socket outlet for the printer.	No.	1		
14	Supply and Rewire the socket outlet to correct polarity at office 107.	No.	1		
15	Supply and Rewire the socket outlet to correct polarity at office 108.	No.	1		
16	Replace the trunking cover at office 109	No.	1		
17	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 110 600x600mm-T5, 14W	No.	9		
18	Supply and replace the round downlight fittings (with LED equivalent) in the Pause Area-2.	No.	3		
19	Supply and replace the plug with a 4x4 crabtree double switch sockets at the Pause Area-2.	No.	1		
20	Supply and install 4x4 crabtree socket outlet cover at the meeting room	No.	1		

21	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 117 600x600mm-T5, 14W	No.	18	
22	Supply and replace 50x50 frame radiant board in Office 117	No.	1	
23	Supply and replace the tubes (with LED equivalent) on the ceiling-PA Office 600x600mm-T5, 14W	No.	18	
24	Supply and replace the plug with a 4x4 crabtree double switch sockets at the PA Office of the CEO	No.	1	
25	Supply and affix labelling at all plug points according to circuit arrangements.	No.	1	
26	Supply and replace 50x50 frame radiant board in the CEO's Office 117	No.	1	
27	Remove extension connection and Supply and install a new 4x4 crabtree double switch sockets plug at the CEO's office.	No.	1	
28	Supply and replace the tubes (with LED equivalent) on the ceiling-Open plan 600x600mm-T5, 14W	No.	18	
29	Supply and install a new 4x4 crabtree double pole switch 16A socket outlet at Office 120	No.	1	

ITEM	BILL NO. 6 SECOND FLOOR	UNIT	QTY	RATE	AMOUNT
1	Supply and replace the tubes (with LED equivalent) on the ceiling-Meeting r 600x600mm-T5, 14W	No.	9		
2	Supply and install an isolator (1 pole, 20A) for the Hydro-boil at the main kitchen.	No.	1		
3	Supply and replace the round downlight fittings (with LED equivalent) Main kitchen.	No.	1		
3	Supply and replace the tubes (with LED equivalent) on the ceiling-HR Open 600x600mm-T5, 14W	No.	9		
4	Replace recessed socket outlet in Office 204	No.	1		
5	Supply and replace the tubes (with LED equivalent) on the ceiling-Procurem 600x600mm-T5, 14W	No.	18		
6	Supply and replace the tubes (with LED equivalent) on the ceiling-Procurem 600x600mm-T5, 14W	No.	6		
7	Supply and replace the tubes (with LED equivalent) on the ceiling-Finance C 600x600mm-T5, 14W	No.	18		
8	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 206 600x600mm-T5, 14W	No.	18		
9	Supply and replace the tubes (with LED equivalent) on the ceiling-IT office C 600x600mm-T5, 14W	No.	18		
10	Supply and replace the round downlight fittings (with LED equivalent) Pause Area.	No.	1		
11	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 218 600x600mm-T5, 14W	No.	18		
12	Supply and replace the tubes (with LED equivalent) on the ceiling- Legal Op 600x600mm-T5, 14W	No.	27		
13	Replace recessed socket outlet in Office 222	No.	1		
14	Replace recessed socket outlet in Office 224	No.	1		
15	Supply and replace the plug with a 4x4 crabtree double switch sockets at Office 227	No.	1		
16	Supply and replace the round downlight fittings (with LED equivalent) Ladies Toilet.	No.	1		

ITEM	BILL NO. 7 THIRD FLOOR	UNIT	QTY	RATE	AMOUNT
1	Supply and install DB blanks in DB room.	No.	10		
2	Supply and install Alcolin Fire Stop sealant form(750ml) where cables cross adjacent rooms in DB room.	ml	6		
3	Supply and replace the round downlight fittings (with LED equivalent)	No.	1		
4	Supply and replace the tubes (with LED equivalent) on the ceiling-Open plan 600x600mm-T5, 14W	No.	36		
5	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 302 600x600mm-T5, 14W	No.	9		
6	Secure socket outlet in office 303	No.	1		
7	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 304 600x600mm-T5, 14W	No.	9		
8	Supply and replace the round downlight fittings (with LED equivalent)	No.	3		
9	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 306 600x600mm-T5, 14W	No.	9		
10	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 308 600x600mm-T5, 14W	No.	9		
11	Supply and replace the round downlight fittings (with LED equivalent) CEO meeting room.	No.	4		
12	Supply and replace the round downlight fittings (with LED equivalent) CEO bathroom.	No.	10		
13	Supply and replace the round downlight fittings (with LED equivalent) Main boardroom.	No.	3		
14	Supply and replace the round downlight fittings (with LED equivalent) Dining Room	No.	1		
15	Supply and install an isolator for the Hydro-boil at the kitchen-1 pole, 20A	No.	1		
16	Supply and replace the plug with a 4x4 crabtree double switch sockets at the Small kitchen	No.	1		
17	Secure ressedged plug socket outlet in Open Plan 2	No.	1		
18	Supply and replace the tubes (with LED equivalent) on the ceiling-Office 317 600x600mm-T5, 14W	No.	9		

ITEM	BILL No. 8 GENERATOR	UNIT	QTY	RATE	AMOUNT
1	Earth busbar for connecting all earthing cables	Item	1		
2	Supply and erect "Incase of emergency" and warning stickers and labelling on the control panel	Item	2		

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SUB-TOTAL		
VAT		
TOTAL		