

**TLOTLANANG COMBINED SCHOOL**  
**ELECTRICAL BILL OF QUANTITIES**

DEVELOPMENT BANK OF SOUTHERN AFRICA

Item No	Description	Unit	Quantity	Rate	Amount
	<b>Lighting and Small Power</b>				
1	<b>400V Kiosk</b>				
1,1	Decommission, Disconnect, Mark all cables, Remove and Store old uncompliate Kiosks	No	1	R	-
1,2	Supply, manufacture, deliver, install 400V and commission new Kiosk complete with all accessories as per the drawings and System specifications.	No	2	R	-
2	<b>SUB-DISTRIBUTION BOARD</b>				
	Supply, manufacturer,Install and commission 400V SP&L distribution boad complete with all accessories as per the drawing and System specifications.	No	5	R	-
2,1	Supply, manufacturer,Install and commission 230V SP&L distribution boad complete with all accessories as per the drawing and System specifications.	No	2	R	-
3	<b>LIGHT FITTINGS</b>				
3,1	Suppy, deliver and install the following light fittings complete; inclusive of lamps				
3,2	2X36W 1200mm open channel T5 light fitting	No	105	R	-
3,3	1X22W IP65 Bulkhead light fitting	No	50	R	-
3,4	1X22W IP28 Bulkhead light fitting	No	50	R	-
4	<b>LIGHT SWITCHES</b>				
4,1	Supply, install and connect flush mounted switch unit complete with cover plate, boxes and all accessories				
4,2	Single Lever, 1 Way light switch	No	50	R	-
4,3	230V 16A, IP65 Photocell	No	7	R	-
5	<b>CONDUCTORS AND CABLES</b>				
5,1	Supply and install GP PVC insulated copper conductors in required colours drawn into conduit or in trunking				
5.1.1	2.5 mm²	m	4000	R	-
5.1.2	6 mm²	m	2500	R	-
5,2	Supply, deliver and install PVC, PVC, SWA, PVC 600/1000V cables				
5.2.1	70 mm², 4-Core	m	300	R	-
5.2.2	16 mm², 4-Core	m	500	R	-
5,3	Supply, deliver and install single core antitheft copper coated bare earth conductor				
5.3.1	50 mm² single core	m	300	R	-
5.3.2	16 mm² single core	m	500	R	-

6	<b>Cable Termination</b>				
6.1	supply, deliver and install termination kit, complete with compression gland, lugs, sleeves and all accessories				
6.1.1	70 mm², 4-Core PVC, PVC, SWA, PVC 600/1000V cable	No	8	R	-
6.1.2	16 mm², 4-Core PVC, PVC, SWA, PVC 600/1000V cable	No	18	R	-
6.1.3	2.5 mm² GP PVC insulated copper conductors	No	120	R	-
6.1.4	6 mm² GP PVC insulated copper conductors	No	120	R	-
6.1.5	50 mm² single core antitheft copper coated bare earth conductor	No	8	R	-
6.1.6	16 mm² single core antitheft copper coated bare earth conductor	No	18	R	-
7	<b>SWITCHED SOCKET OUTLETS and Isolators</b>				
7.1	Supply, install and connect flush mounted switch socket outlets and isolators as specified including cover plates and all accessories				
7.1.1	16 Amp, 3-pin, Standard/Euro combine double switched socket outlet	No	75	R	-
8	<b>Conduit and Conduit Boxes</b>				
	Supply and install 25mm PVC conduit complete with all accessories including adpters and couplers	No	1200	R	-
8.1	'Supply and install 60 mm round, 60 mm deep PVC box for 20 mm conduit fixed in sofit or brickwork or ceiling void	No	140	R	-
8.2	Supply and install 100 x 50 x 50 mm galv. box, flush mounted in brickwork	No	60	R	-
8.3	'Supply and install 100 x 100 x 50 mm galv. box, flush mounted in brickwork	No	60	R	-
9	<b>EXCAVATION AND BACKFILLING</b>				
9.1	Excavate 800mm deep by 500mm wide hand pickable soil	m	800	R	-
9.2	Backfilling	m	800	R	-
10	<b>EARTHING AND BONDING</b>				
10.1	Perform soil resistivity test	No	1	R	-
10.2	Earth and Bond of the complete installation in accordance with the Specifications and SANS Standards.	Sum	1	R	-
10.3	Supply, install and test earthing and lightning Protection system	Sum	1	R	-
11	<b>TEST AND COMMISIONING</b>				
11.1	Test and Commision the complete installation in accordance with the Specifications and SANS Standards.	Sum	1	R	-
<b>TOTAL SUMMARY (Carried to Final Summary Part B: Electrical Works on Page 112 of the MAIN BOQ)</b>				R	-