



DENEL PROPERTIES

**Bill of Quantities for upgrade of old Distribution Boards at Irene Campus.**

**DENEL INDUSTRIAL PROPERTIES  
Denel Pty Ltd  
Nellmapius drive  
Irene, Centurion  
Pretoria**

## Contents

1. BOQ for DB-EG1 .....	3
2. BOQ for DB-EG2 .....	4
3. BOQ for DB-EG3 .....	5
4. BOQ for DB-EG4 .....	6
5. BOQ for DB-OLD PRODUCTION .....	7
6. BOQ for DB-NEW PRODUCTION .....	7

## Bill of quantities

### 1. BOQ for DB-EG1

	<b>EQUIPMENT</b>	<b>QTY</b>	<b>R VALUE/ITTAM</b>	<b>TOTAL R VALUE</b>
1	Schneider CVS630F TM600D 3P3D Part No: ZZA LV563306	1		
2	Schneider CVS250B TM200D 3P3D Part No: ZZA LV525302	3		
3	Schneider CVS160B TM160D 3P3D Part No: ZZA LV516303	1		
4	Schneider 15A 3P CB	1		
5	Schneider 63A 3P CB	1		
6	Schneider 63A 2P E/L ISOL + 63A 1P CB	2		
7	Schneider 40A 3P CB Part No: A9F64340	2		
8	Schneider 32A 3P CB Part No: A9F64332	9		
9.	Schneider 32A 1P CB Part No: A9F64132	1		
10	Schneider 20A 3P CB Part No: A9F64320	30		
11	Schneider 20A 2P CB Part No: A9F64220	1		
12	Schneider 20A 1P CB Part No: A9F64120	41		
13	Schneider 16A 1P CB Part No: A9F64116	20		
14	Schneider 6A 1P CB Part No: A9F64106	7		
15	Schneider 40A 3NO CONT	9		
16	SD CLASS 2	4		
17	TERMINAL	16		
18	T/SWITCH	1		
19	DISTRIBUTION BOARD	1		
20	Remove old DB and install new	1		
21	Testing, commissioning and COC	1		
	<b>TOTAL exc VAT</b>			

## 2. BOQ for DB-EG2

	EQUIPMENT	QTY	R VALUE/ITTAM	TOTAL R VALUE
1	Schneider CVS630F 630A CB	1		
2	Schneider CVS250B TM200D 3P3D Part No: ZZA LV525302	3		
3	63A 4P E/L ISOL + 63A 3P CB	1		
4	Schneider 63A 3P CB	1		
5	Schneider 63A 2P E/L ISOL + 63A 1P CB	4		
6	Schneider 40A 3P CB Part No: A9F64340	2		
7	Schneider 32A 3P CB Part No: A9F64332	8		
8.	Schneider 40A 1P CB	1		
9	Schneider 25A 1P CB	1		
10	Schneider 20A 3P CB Part No: A9F64320	33		
11	Schneider 20A 1P CB Part No: A9F64120	58		
12	Schneider 6A 1P CB Part No: A9F64106	6		
13	Schneider 40A 3NO CONT	5		
14	SD CLASS 2	4		
15	TERMINAL	12		
16	24V AC RELAY	1		
17	DISTRIBUTION BOARD	1		
18	Remove old DB and install new	1		
19	Testing, commissioning and COC	1		
	<b>TOTAL exc VAT</b>			

### 3. BOQ for DB-EG3

	EQUIPMENT	QTY	R VALUE/ITTAM	TOTAL R VALUE
1	Schneider CVS400F 400A CB	1		
2	Schneider CVS250B TM200D 3P3D Part No: ZZA LV525302	3		
3	Schneider CVS100B TM 100D 3P3D	1		
4	Schneider 80A 3P CB	1		
5	Schneider 63A 3P ISOL Part No: A9S65363	1		
6	Schneider 63A 4P E/L ISOL + 63A 3P CB	3		
7	Schneider 63A 3P CB	1		
8	Schneider 63A 2P E/L ISOL + 63A 1P CB	4		
9	Schneider 40A 3P CB Part No: A9F64340	3		
10	Schneider 32A 3P CB Part No: A9F64332	7		
11	Schneider 32A 1P CB Part No: A9F64132	3		
12	Schneider 20A 3P CB Part No: A9F64320	30		
13	Schneider 20A 1P CB Part No: A9F64120	71		
14	Schneider 15A 3P CB	2		
15	Schneider 16A 1P CB Part No: A9F64116	2		
16	Schneider 10A 1P CB	4		
17	Schneider 6A 1P CB Part No: A9F64106	10		
18	Schneider 40A 3NO CONT	4		
19	Schneider 60A 3NO CONT	1		
20	Schneider 25A 3NO CONT	1		
21	Terminal	12		
22	T/Switch	1		
23	SD Class 2	4		
24	125A Busbar Set	1		
25	DISTRIBUTION BOARD	1		
26	Remove old DB and install new	1		
27	Testing, commissioning and COC	1		
	<b>TOTAL exc VAT</b>			

#### 4. BOQ for DB-EG4

	<b>EQUIPMENT</b>	<b>QTY</b>	<b>R VALUE/ITTAM</b>	<b>TOTAL R VALUE</b>
1	Schneider CVS630F 630A CB	1		
2	Schneider CVS250B TM200D 3P3D Part No: ZZA LV525302	3		
3	Schneider 63A 4P E/L ISOL + 63A 3P CB	1		
4	Schneider 63A 3P CB	1		
5	Schneider 63A 2P ISOL + 63A 1P CB	4		
6	Schneider 40A 3P CB Part No: A9F64340	2		
7	Schneider 32A 3P CB Part No: A9F64332	8		
8	Schneider 40A 1P CB	1		
9	Schneider 25A 1P CB	1		
10	Schneider 20A 3P CB Part No: A9F64320	33		
11	Schneider 20A 1P CB Part No: A9F64120	58		
12	Schneider 6A 1P CB Part No: A9F64106	6		
13	Schneider 40A 3NO CONT	5		
14	TERMINAL	12		
15	24V AC RELAY	1		
16	SD CLASS 2	4		
17	DISTRIBUTION BOARD	1		
18	Remove old DB and install new	1		
19	Testing, commissioning and COC	1		
	<b>TOTAL exc VAT</b>			

## 5. BOQ for DB-OLD PRODUCTION

	EQUIPMENT	QTY	R VALUE/ITTAM	TOTAL R VALUE
1	Schneider MVS25 2500A CB	1		
2	Schneider NS1600N 1600A CB	1		
3	Schneider NS1250N 1250A CB	1		
4	Schneider NS1000N 1000A CB	1		
5	Schneider NS800N 800A CB	1		
6	Schneider CVS630F 600A CB	1		
7	Schneider CVS400F 400A CB Part No: ZZA LV540306	3		
8	Schneider NSX400F 400A CB CHANGE OVER	1		
9	Schneider CVS250B 250A CB	4		
10	Schneider CVS160B 160A CB	1		
11	Schneider CVS100B 60A CB	1		
12	Schneider 60A 3P CB	1		
13	Schneider 40A 1P CB	1		
14	Schneider 20A 1P CB	2		
15	SD CLASS 1 (4P)	1		
16	DEEP SEA CONTROL	1		
17	FUSE	10		
18	TERMINAL	3		
19	220V AC RELAY	4		
20	NSX400F 400A CB MOTO	1		
21	DISTRIBUTION BOARD	1		
22	Remove old DB and install new	1		
23	Testing, commissioning and COC	1		
	<b>TOTAL exc VAT</b>			

## 6. BOQ for DB-NEW PRODUCTION

	EQUIPMENT	QTY	R VALUE/ITTAM	TOTAL R VALUE
1	Schneider NS 1000N 1000A CB Part No: NS10HFF3NF2E	1		
2	Schneider NS800N 800A CB Part No: ZZA NSO8NFF3MF2E	2		
3	Schneider CVS400F 400A CB Part No: ZZA LV540306	1		
4	Schneider CVS250B 250A CB Part No: ZZA LV525303	4		
5	SD CLASS 1 (4P)	1		
6	DISTRIBUTION BOARD	1		
7	Remove old DB and install new	1		
8	Testing, commissioning and COC	1		
	<b>TOTAL exc VAT</b>			

## 7. Summary

	<b>EQUIPMENT</b>	<b>QTY</b>	<b>TOTAL R VALUE</b>
1	BOQ for DB-EG1	1	
2	BOQ for DB-EG2	1	
3	BOQ for DB-EG3	1	
4	BOQ for DB-EG4	1	
5	BOQ for DB-OLD PRODUCTION	1	
6	BOQ for DB-NEW PRODUCTION	1	
<b>TOTAL exc VAT</b>			
<b>TOTAL incl VAT</b>			