

# NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	<p><b>SECTION 1</b></p> <p><b>BILL NO. 1</b></p> <p><b>PRELIMINARIES</b></p> <p>P&amp;G'S</p>	Item			

# NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS

## CSIR MAIN CAMPUS, BRUMMERRIA, PRETORIA

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS  
CSIR MAIN CAMPUS, BRUMMERRIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	<p><b>SECTION 3</b></p> <p><b>BILL 1</b></p> <p><b>EARTHWORKS</b></p> <p><b>PREAMBLES</b></p> <p>For <b>preambles refer to "standard <b>preambles to all trades as per WB20"</b></b></p> <p><b>SUPPLEMENTARY PREAMBLES</b></p> <p><b>Carting away of excavated material</b></p> <p><b>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</b></p> <p><b>EARTHWORKS</b></p> <p><b>EXCAVATION, FILLING, ETC</b></p> <p><b>Excavation in earth not exceeding 2m deep including setting aside for later re-use or removal</b></p> <p>1 Hole excavations</p> <p><b>Extra over all excavations for carting away</b></p> <p>Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor</p>				

Carried forward to Summary of Section No 3

**NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS  
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ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	<p><b>BILL 2</b></p> <p><b>CONCRETE, FORMWORK AND REINFORCEMENT</b></p> <p><b>PREAMBLES</b></p> <p>For preambles refer to "standard preambles to all trades as per The ASAQS document of 2008"</p> <p><b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b></p> <p><b>25MPa/19mm concrete</b></p> <p>1 155 x 200mm x 200mm x 200mm Foundation footings</p>	m3	2		
Carried forward to Summary of Section No 3					

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**CSIR MAIN CAMPUS, BRUMMERRIA, PRETORIA**

ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	<b>BILL 3</b>				
	<b>METALWORK</b>				
	<b>For preambles refer to "standard preambles to all trades as per WB20"</b>				
	<b>BALUSTRADES AND HANDRAILS</b>				
1	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into concrete foundations.50mm diameter round stainless steel handrail and 30mm diameter stainless steel central rail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	150		
2	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into structural stairs or concrete surface bed.50mm diameter round stainless steel handrail and 30mm diameter stainless steel central rail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	10		
3	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into concrete foundations.50mm diameter round stainless steel handrail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	185		
4	Minimum 1m high Stainless steel balustrade made up from: 50mm diameter round stainless steel post chemically anchored into structural stairs or concrete surface bed.50mm diameter round stainless steel handrail. Post to fitted with 90mm diameter round stainless steel adjustable flange.	m	17		
5	50mm diameter round stainless steel handrail fixed to masonry/natural stone wall with stainless steel supports made up from 10mm diameter stainless steel support pins and stainless steel flange chemically anchored into existing wall.	m	44		
6	Minimum 1m high steel balustrade made up from: 50mm diameter round mild steel post chemically anchored into structural stairs or concrete surface bed. 50mm diameter round stainless steel handrail and 30mm diameter mild steel bottom and top rail. 10mm dia mild steel bars welded between top and bottom rail to allow for openings between bars of no more than 100mm.	m	45		
7	Minimum 1m high Galvanised mild steel ball and stanchion balustrade mechanically fixed to structural stairs or concrete surface bed	m	15		

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ITEM NO	DESCRIPTION	UNIT	MATERIAL		
			QUANTITY	RATE	AMOUNT
	<p><b>SECTION 4</b></p> <p><b>BILL NO. 1</b></p> <p><b>EXTERNAL WORKS (PROVISIONAL)</b></p> <p><b>PREAMBLES</b></p> <p>For Preambles refer to "standard Preambles to all trades as per The ASAQS document of 2008"</p> <p><b>PAVING</b></p> <p><b>Reinstate pavers</b></p> <p>Reinstall existing concrete interlocking concrete pavers to</p> <p>1 Architect's approval.</p> <p>2 Reinstate existing brick pavers to Architect's approval.</p> <p>3 Reinstate large format concrete pavers to Architect's approval.</p>				

Carried to final Summary

NEW BALUSTRADES AND HANDRAILS TO EXISTING BUILDINGS  
CSIR MAIN CAMPUS, BRUMMERIA, PRETORIA

ITEM NO	DESCRIPTION	AMOUNT
1	PRELIMINARIES	
2	ALTERATIONS	
3	BUILDER'S WORK	
4	EXTERNAL WORKS	
	<b>Sub Total Before Vat</b>	
	<b>Add 10% Contingency</b>	
	<b>Add Vat @ 15%</b>	