

BILL OF QUANTITIES - SABS GROENKLOOF TRANSFORMER DELUGE FIRE PROTECTION

Item	Description	Unit	Quantity	Tariff	Amount
	PRELIMINARY AND GENERAL FIXED CHARGE ITEMS				
1,1	Contractual Requirements	Sum	1		
1,2	Establishment of facilities on site	Sum	1		
1,3	Other fixed charge obligations	Sum	1		
1,4	Removal of Site Establishment	Sum	1		
1,5	Accommodation & Travel	Sum	1		
	TIME RELATED ITEMS				
1,6	Contractual Requirements	Sum	1		
1,7	Operate and maintain facilities on Site	Sum	1		
1,8	Supervision for duration of Construction	Sum	1		
1,9	Company and head office overhead costs.	Sum	1		
1,10	Location of Existing Services	Sum	1		
1,11	12 Months maintenance and warranties	Sum	1		
2	DELUGE SPRAY PROTECTION SYSTEM				
	Firewater connection: Allow for connecting to existing fire water main and including all fittings, elbows, tees, hangers and supports				
2,1	Ø 100 mm hydraulically activated deluge valve with trim with connection point for pressure transmitter	No	2		
2,2	Ø 100 mm isolation gate valve (including pressure gauge)	No	1		
2,3	Ø 100 Class 16 GALVANIZED piping	m	60		
2,4	Ø 80 Class 16 GALVANIZED piping	m	10		
2,5	Ø 50 Class 16 GALVANIZED piping	m	10		
2,6	Ø 32 Class 16 GALVANIZED piping	m	90		
2,7	Ø 20 mm Class 16 GALVANIZED piping	m	60		
2,8	120° spray angle medium velocity sprayer	No	38		
2,9	93°C Closed tube sprinkler head	No	11		
3	Trenching & Backfilling for hydrant main piping	m	20		
4	3,5m Pillar Pipe Supports for deluge system pipework with U-bolts - refer to drawing detail - painted with primer and black paint	No	20		
5	Strainers: Installed	No	2		
6	Signage: Valve schematic & operating procedure	Sum	1		
7	Testing and commissioning on site	No	1		
8	Glycerine filled pressure gauge	No	2		
9	Training for client maintenance staff	Item	1		
10	Any additional items required (Specify in full)				
TOTAL					