

Item	Description	Unit	Qty	Rate	Amount
1.00	<u>BILL 01 - PRELIMINARY AND GENERAL</u>				
1.01	Comply with the requirements of the contract in terms of the programme and the completion and hand-over dates.	Lot	1		
1.02	Comply with the contract in terms of the safety requirements for the project.	Lot	1		
1.03	Provision of the safety file for the project in terms of the contract requirements and the requirements of the client	Lot	1		
1.04	Provision of a detailed MS project programme in terms of the contract requirements	Lot	1		
1.05	Contract engineering and detailed engineering required for all equipment and installation requirements.	Lot	1		
1.06	All site measurements and co-ordination with the engineers requirements of the project.	Lot	1		
1.07	Co-ordination of all equipment and systems with the engineer and also with all other sub- contractors on the site, and for the duration of the project.	Lot	1		
1.08	Contract Management	Lot	1		
1.09	Safety management on the site, and safety supervision at all times while working on the site.	Lot	1		
1.10	Supervision of the installation and supervision of all workers on site to ensure an efficient and well-managed contract.	Lot	1		
1.11	Site establishment including site accommodation, safety signage and requirements, fencing, storage racks and everything necessary for a well planned and managed contract.	Lot	1		
1.12	Rigging and handling requirements for all equipment and services required for the complete and efficient installation. Include for the hire of cranes and fork lift trucks as necessary for all equipment.	Lot	1		
1.13	Scaffolding for the installation of ducting and all other equipment	Lot	1		
1.14	Equipment and design submissions to the consultant for approval prior to ordering or manufacturing .	Lot	1		
1.15	All wiring diagrams and electrical layout drawings in CAD format.	Lot	1		
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Item	Description	Unit	Qty	Rate	Amount
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1.16	Provision of a performance guarantee as required by the Main Contractor and/or the Client, and in terms of the main contract	Lot	1		
1.17	Contract insurance costs to cover all equipment and services for the duration of the contract	Lot	1		
1.18	Provision of O&M manuals (3 hard copies and 1 electronic copy) after completion and commissioning. Initial submission is to be a draft which is to be checked and approved by the Consulting Engineer. Final payment will be withheld until after the approved O&M Manuals are submitted to the client	Lot	1		
1.19	De-establishment of the site including removal of all excess materials, tools and rubbish. The site must be 100% clean and tidy after completion	Lot	1		
1.20	Service and maintenance of the new equipment for a period of 12 months after practical completion as per the manufacturers maintenance requirements is required on all equipment installed	Lot	1		
1.21	General commissioning of all equipment in accordance with the specification	Lot	1		
1.22	Any other "Preliminary & General" items deemed necessary by the Tenderer / Contractor	Lot	1		
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Item	Description	Unit	Qty	Rate	Amount
2.00	BILL 02 - FIRE HYDRANTS, FIRE HOSE REELS & FIRE EXTINGUISHERS				
	PORTABLE FIRE EXTINGUISHERS				
	Supply and install new portable fire extinguishers complying with the relevant SANS code				
2.01	4,5kg Dry Chemical Powder Type fire extinguisher	No	16		
2.02	9kg Dry Chemical Powder Type Fire Extinguisher	No	4		
2.03	5kg CO2 Type Fire Extinguisher	No	1		
2.04	Varnished meranti backboard mounted to wall	No	20		
	Fire Blanket		3		
2.05	FIRE HOSE REEL				
2.06	Supply and install new hose reel complete with 30 metre x 20 mm rubber hose, chromium plated stopcock, shut off nozzle and wall bracket all conforming to SANS 543:2004.	No	8		
	FIRE HYDRANT				
2.07	80mm Brass 90° right angle pattern fire hydrant valve with 80mm diameter instantaneous coupling outlet	No	3		
2.08	Supply and install twin booster connection	No	1		
	PIPING				
	Black mild steel medium grade water supply piping with threaded and socketed joints and fittings in accordance with SANS 62				
2.09	Ø100mm pipe including brackets / holder bats	m	95		
2.10	Ø32mm Ditto	m	35		
2.11	Ø25mm Ditto	m	55		
	Extra Over black mild steel piping for fittings				
2.11	Ø100mm Tee	No	8		
2.12	Ø100mm Elbow	No	6		
2.12	Ø32mm Tee	No	8		
2.13	Ø32mm Elbow	No	8		
2.14	Ø25mm Elbow	No	8		
2.15	Prepare, clean down with iron cleaner, one coat calcium plumbate primer, one coat universal undercoat and two coats fire red polyurethane gloss enamel paint on galvanised mild steel pipe not exceeding 100mm diameter.	m	200		
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Item	Description	Unit	Qty	Rate	Amount
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	FIRE SIGNAGE				
	Fire Signage Conforming to SANS 1186-1:2003 generally suspended from ceiling or soffit. (Photo Luminescent Safety Sign)				
2.16	190 x 190 (Single Side)	No	25		
2.17	190 x 190 (Double Side)	No	12		
2.18	380 x 190 (Single Side)	No	6		
2.19	380 x 190 (Double Side)	No	6		
2.20	570 x 190 (Single Side)	No	5		
2.21	570 x 190 (Double Side)	No	5		
	FIRE STOPPING				
2.22	Provsional Sum for Fire stopping	Lot			60 000.00
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