

ITEM NO.	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
F	SANS 1200	SCHEDULE F: IRRIGATION				
F.1		SECTION 5.1: SOCCER & RUGBY FIELD				
F.1.1		EXCAVATION				
	SANS 1200 DB 8.3.2(a)	Excavate in all materials for trenches, backfill and compact for pipes up to 110mm dia. For total trench depth:				
F.1.1.1	LIC	>0.0m but not exceeding 500mm	m ³	65		
5.1.1.2	8.3.2(b)	Extra over item 5.1.1.1 for excavation in hard rock.	m ³	5		
F.1.1.3	LIC	Excavate by hand in soft material to expose services	m ³	2		
F.1.2	SANS 1200 L	MEDIUM PRESSURE PIPELINES				
	8.2.1	Supply, lay, bed and test pipes complete with couplings:				
F.1.2.1	LIC	110mm dia Class 12 uPVC pipes	m	112		
F.1.2.2	LIC	110mm dia Class 9 uPVC pipes	m	175		
F.1.2.3	LIC	50mm dia Class 6 HDPE pipes	m	260		
F.1.2.4	LIC	25mm dia Class 12 HDPE pipes	m	120		
F.1.2.5	LIC	25mm dia Class 6 HDPE pipes	m	40		
F.1.2.6	LIC	20mm dia Class 6 HDPE pipes to standpipes	m	190		
F.1.3	SANS 1200 LB	BEDDING				
		By importation from borrowpits:				
F.1.3.1	8.2.5	Selected granular material for bedding.	m ³	55		
F.1.3.2	8.2.5	Selected fill material for blanket.	m ³	71		
TOTAL CARRIED FORWARD						

ITEM NO.	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
TOTAL BROUGHT FORWARD						
F.1.4		IRRIGATION EQUIPMENT				
		The following irrigation equipment (or similar) to be supplied and installed as shown on drawing				
F.1.4.1	LIC	Sprayers - Rainbird model 7005	No	20		
F.1.4.2	LIC	Saddles - 50 x 1mm	No	20		
F.1.4.3	LIC	Nylon barrel nipples	No	20		
F.1.4.4	LIC	Esse Bi elbow for following pipe sizes:				
a)	LIC	50mm Class 6	No	102		
b)	LIC	25 x 1mm Male Esse Bi elbow (Class 6)	No	102		
F.1.4.5	LIC	PGA 150 Rainbird valves	No	5		
F.1.4.6	LIC	50mm Esse Bi fitting as follows:				
a)	LIC	50mm x 40mm Esse Bi male couplings	No	5		
b)	LIC	50mm Esse Bi end caps	No	13		
F.1.4.7	LIC	NDS 10 Valve boxes	No	5		
F.1.4.8	LIC	Valves, reducers and nipples as follows:	No	0		
F.1.4.9	LIC	40mm Galvanized barrel nipples	No	5		
F.1.4.10	LIC	110mm End cap	No	1		
F.1.4.11	LIC	110mm T-Piece	No	1		
F.1.4.12	LIC	110 x 1.5mm Saddles	No	5		
F.1.4.13	LIC	12 Station controller Rainbird ESP 12	No	1		
F.1.4.14	LIC	Electrical cable and wire for operations as follows: 1.5mm Electric wire	m	260		
F.1.4.15	LIC	Snaptite connectors	No	20		
TOTAL CARRIED FORWARD						

ITEM NO.	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
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F.1.5		WATER STORAGE TANKS AND BASE				
F.1.5.1	SANS 1200 C	SITE CLEARANCE				
F.1.5.1.1	8.2.10 (LIC)	Remove topsoil to nominal depth of 150mm and stockpile	m ²	42		
F.1.5.2	SANS 1200 D	EARTHWORKS				
F.1.5.2.1	8.3.2 a)	Excavate in all materials and use for fill compacted to 93% MOD AASHTO density				
F.1.5.2.2	8.3.3 a) (LIC)	Excavations in all materials for tank base	m ³	4,2		
F.1.5.3	SANS 1200 GB	CONCRETE, REINFORCEMENT AND FORMWORK				
		Supply all material, labour, equipment for the mix and placement of specified concrete. Allowance shall be made for concrete testing in terms of Clause 7,1 (SANS 1200 GB). The cost of making, storing and testing of concrete cubes shall include the provision of cube moulds. Tests shall be conducted by an independent and accredited concrete laboratory (Cubes measured elsewhere)				
F.1.5.3.1	8.2.1 b)	Formwork (Degree of Accuracy II)				
F.1.5.3.1.1	LIC	Normal formwork to sides of tank base (max. depth of 200mm)	m	46		
F.1.5.3.2	8.2.4	Reinforcement				
		Supply, cut, bed, placing in position, fixing of reinforcement including spacer devices and binding wire				
F.1.5.3.2.1	LIC	Reinforcement to tank base - Mesh ref 193	m ²	40		
F.1.5.3.3	8.2.5	Concrete				
F.1.5.3.3.1	LIC	Concrete class 25/19 to tank base	m ³	13		
F.1.5.3.4		Test Cubes				
F.1.5.3.4.1		Making and testing of 150x150x150mm concrete test cubes. Test reports to be issued to the Engineer	Sum	1		
F.1.5.4		WATER STORAGE TANKS				
F.1.5.4.1	LIC	Supply and install 10 000liter Jojo or similarly approved water storage tanks, complete with a ball valves, fittings, pipes	No.	7		
TOTAL CARRIED FORWARD						

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F.1.5.5 F.1.5.5.1		CENTRIFUGAL PUMP Supply and install DAB K50/ 400T single impeller centrifugal pump and cover for irrigation purposes	No.	1		
TOTAL CARRIED FORWARD TO SUMMARY						