

# **BILL OF QUANTITIES OF BLUEGUMS SPORTS FACILITY**

## SECTION 1: PRELIMINARY &amp; GENERAL

Item No	Ref	Description	Unit	Quantity	Rate	Amount
1	SANS 1200	<b>PRELIMINARY AND GENERAL</b>				
1.1	8.3	<b><u>Scheduled Fixed-Charge and Value-Related Items</u></b>				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
		<u>Provision for the site facilities:</u>				
1.1.2	8.3.2.1	a) Facilities for the Engineer	Sum	1		
	8.3.2.1b	2 Laptop, Printer & Digital Camera - 2.6 GHZ Processor 16 GB RAM, 500 Gig HD,CD/DVD Drive with USB port min. HP Core i7 or similarly approved, complete with Windows 8 operating system & MS Office Basic and Microsoft Projects and 3G Modem	Prov Sum	1	30,000.00	30,000.00
	8.3.2.1c	Name Boards	No	1		
1.1.3	8.3.2.2	b) Facilities for the Contractor	Sum	1		
1.1.4	8.3.3	General responsibilities and other fixed charge obligations	Sum	1		
1.1.5	8.3.4	Removal of site establishment on completion	Sum	1		
1.1.6		Compliance with the OHS Act regulations and for Project Duration of 8 months	Sum	1		
	8.3.2.2	<b>Facilities for the Contractor</b>				
	8.3.2.2a	Offices and storage sheds	Sum	1		
	8.3.2.2b	Workshop	Sum	1		
	8.3.2.2c	Laboratories	Sum	1		
	8.3.2.2d	Living accommodation	Sum	1		
	8.2.2.2e	Ablution and latrine facilities	Sum	1		
	8.3.2.2f	Tools and equipment	Sum	1		
	8.3.2.2g	Water suppliers, electric power, communications, dealing with water and access	Sum	1		
	8.3.2.2h	Dealing with water (Sub clause 5.5)	Sum	1		
	8.3.2.2i	Access (Sub clause 5.8)	Sum	1		
1.1.7	8.5	Provisonal Sums for use by Engineer				
		(a) Environmental Control Officer for 8 months	Prov. Sum	1	350,000	350,000.00
		(b) Charges and Profit on (a) above	%			
		(c) Resident Engineer for 12 months	Sum	1		Rate Only
		(d) Charges and Profit on (c) above	%			
		(e) Other special tests requested by the Engineer:	Prov. Sum	1	50,000	50,000.00
		(e) Charges and Profit on (e) above	%			
Carried Forward						

Item No	Ref	Description	Unit	Quantity	Rate	Amount
Brought Forward						
1.2	8.4	<b>SCHEDULED TIME-RELATED ITEMS</b>				
1.2.1	8.4.1	Contractual requirements	Sum	1		
1.2.2	8.4.2	Occupational Health and Safety and maintenance of the site facilities	Sum	1		
1.2.3	8.4.2.1	a) Facilities required by the Engineer	Sum	1		
1.2.4	8.4.2.2	b) Facilities required by the Contractor	Sum	1		
1.2.5		General responsibilities and other time related obligations	Sum	1		
1.2.6		Demolishing existing structures and spoil to the nearest landfill site	Sum	1		
1.2.7	8.4.3	Supervision for duration of construction	Sum	1		
1.2.7	8.4.4	Company and head office overhead costs for the duration of the contract	Sum	1		
1.3		<b>SUMS STATED PROVISIONALLY BY THE ENGINEER</b>				
		<u>COMMUNITY LIASON OFFICER</u>				
1.3.1	PSA3	Employment of CLO for the duration of the Contract (R6500pm)	Prov. Sum	1	R 80,000	80,000.00
1.3.2		Contractors markup on the above	%			
1.3.3		Employment of PSC for the duration of the contract	Prov. Sum	1	R 25,000	25,000.00
1.3.4		Contractors markup on the above	%			
1.3.5		Allow for 3 Phase power supply from Eskom/Municipality	Prov. Sum	1	R 180,000	180,000.00
1.3.6		Percentage for 3 Phase electric power supply	%			
1.3.7		Allow for training of local labour by an accredited agent	Prov. Sum	1	R 250,000	250,000.00
1.3.8		Percentage adjustment accredited training	%			
1.3.9		Dealing Exist Services	Prov. Sum	1	R 50,000	50,000.00
1.3.10		Contractors markup on the above	%			
1.4	8.7	<b><u>Dayworks</u></b>				
1.4.1		Foreman	hr	170		Rate Only
1.4.2		Skilled	hr	65		Rate Only
1.4.3		Semi-skilled	hr	50		Rate Only
1.4.4		Unskilled	hr	35		Rate Only
Total Carried Forward To Summary						

## SECTION 2: SITE CLEARANCE

Item No	Ref	Description	Unit	Quantity	Rate	Amount
<b>2</b>	<b>SABS 1200C</b>	<b>SITE CLEARANCE</b>				
2.1	8.2.1	Clear and grub	ha	4		
2.2	8.2.2	Remove and grub large trees and tree stumps of girth	No	1		
2.2.1		a) over 1m and up to and including 2m	No.	1		
<b>Total carried to summary</b>						

ITEM NO	PAYMENT REF	LI	DESCRIPTION	UNIT	QUANT	RATES	AMOUNT
3			<b>SOCCER FIELD</b>				
	1200D		<b>SITE CLEARANCE</b>				
3.1			Remove all surface grass, etc (Grader)	m <sup>2</sup>	14000		
3.2	PDS5-2		<b>EXCAVATION</b>				
3.2.1			Clear the construction site to remove top soil and grasses to a depth not exceeding 200mm. Remove the upper most 100mm from site & stockpile only 100mm remaining top soil as indicated by the engineer-in-charge	m <sup>3</sup>	2100		
	PSD5-3		Excavate in all materials and use for embankment or backfill as ordered for sports field terraces. Price includes shaping the platform for spectators at the slope of 1: 2 for soccer field				
3.2.2			a. Soft excavation	m <sup>3</sup>	1470		
3.2.3			b. Intermediate excavation	m <sup>3</sup>	1280		
3.2.4			Rip and recompact in-situ material to 93% of Mod AASTHO density	m <sup>3</sup>	750		
3.2.5			Importation of G5 fill material and compact to 93% of Mod AASTHO density	m <sup>3</sup>	2000		
3.2.6			Importation of G7 selected layer of material and compact to 93% of Mod AASTHO density	m <sup>3</sup>	4500		
3.2.7			Extra-over for disposal of unsuitable material	m <sup>3</sup>	1800		
3.3			<b>EARTHFILL EMBANKMENT</b>				
3.3.1			Shaping of slopes on embankments and berms	m <sup>2</sup>			
3.3.2			Gentle Slope formation on banks	m <sup>2</sup>	3690		
3.4	1200DB		<b>EARTHWORKS (PIPE TRENCHES)</b>				
8.3.2 (a)			Excavate in all materials for trenches, backfill compact and dispose of surplus material for the following trench depths: Trenches of width exceeding 475mm up to 900mm to accommodate pipes up to 150mm OD:				
3.4.1		LI	(a) Depth not exceeding 1.0m	m	700		
3.4.2		LI	Excavate in all materials Open channel , backfill, compact, shape and dispose of surplus material				
3.4.3		LI	Excavate open channel trench by 300X1200mm	m <sup>3</sup>	572		
			Compact and shape	m <sup>2</sup>	240		
3.5	1200LB		<b>BEDDING (PIPES)</b>				
8.2.1			Provision of bedding obtained from trench excavation				
3.5.1		LI	(a) Selected granular material	m <sup>3</sup>	460		
3.5.2		LI	(b) Selected fill material	m <sup>3</sup>	80		
3.6	1200LE		<b>SUB-SOIL DRAINAGE (PIPES)</b>				
8.2.1			Supply, bed and lay all pipe culverts (a) Supply and lay Kaytech Flo-Drain or equal approved composite subsoil drainage system comprising HDPE Flownet  500HP drainage core with minimum discharge capacity under 100 kPa of 0.1 l/m/s (EN12958-99) and 110 mm diameter  HDPE open lattice Geopipe wrapped on 90mmø Stone with minimum infiltration index of 55 l/s at 200 mm water head,  including HDPE or uPVC couplings, enclosed in a nonwoven continuous filament needle-punched polyester Bidim A2  geotextile of trapezoidal tear strength of 245N ASTM D4533-85, puncture resistance of 25mm EN ISO 13433 and  throughflow at 100mm head of 285 l/s/m <sup>2</sup> EN ISO 11058, including backfilling and compaction (i) Flo-Drain 550mm including 150 diameter Geopipe				
3.6.1		LI	(i) Flo-Drain 550mm including 150 diameter Geopipe	m	700		
3.7			<b>TOPSOIL PREPARATION FOR GRASSING</b>				
3.7.1		LI	Topsoil: place, ex stockpile, selected soil 100mm thick, or as directed, no compaction	m <sup>3</sup>	1394		
3.7.2			Extra-over for importation of materials from borrow-pits	m <sup>3</sup>	160		
3.8	PSD5-4		<b>GRASSING</b>				
3.8.1			Supply an approved Kikuyu grass by means of grass sod /lawn in the Sport Fields on the stockpiled topsoil Over entire field and berms	m <sup>2</sup> m <sup>2</sup>	12877 1200		
B6				Carried Forward			
							-

ITEM NO	PAYMENT REF	LI	DESCRIPTION	UNIT	QUANT	RATES	AMOUNT
<b>Brought forward from previous page</b>							-
3.8.2		LI	Maintaining of the grass until the first cut (fertilization, slight watering and general maintenance)	Month	3		
<b>3.9</b>			<b>FERTILIZER</b>				
3.9.1			<b>Supply, store and maintain</b>				
3.9.1.1			Superphosphate	t	0.72		
3.9.1.2			LAN (Limestone Ammonia Nitrate)	t	1.40		
<b>3.10</b>			<b>APPLICATION OF FERTILIZER</b>				
3.10.2.1			Add and mix into topsoil layer Superphosphate at a rate of 100mg/m <sup>2</sup>	m <sup>2</sup>	14000		
3.10.2.2			Apply to newly planted surface LAN (Limestone Ammonia Nitrate) at a rate of 50gm/m <sup>2</sup>	m <sup>2</sup>	14000		
3.10.2.3			Apply to growing grass LAN at a rate of 50mg/m <sup>2</sup>	m <sup>2</sup>	14000		
<b>3.11</b>			<b>GRASSING</b>				
3.11.1		LI	Plant an approved roll-on Kikuyu grass/lawn in the Soccer Sport Field on the stockpiled topsoil	m <sup>2</sup>	14000		
3.11.2		LI	Rake into surface and roll with light roller/Sandpro tyres	m <sup>2</sup>	14000		
<b>3.12</b>			<b>WATERING</b>				
3.12.1			Prior to seeding. Water entire surface to be seeded to obtain moist conditions to not less than 150mm deep. (excluding cost of water and labour only)	m <sup>2</sup>	14000		
3.12.2		LI	Water and maintain newly planted areas immediately after planting and as often as directed by the engineer until grass is established. (established will be regarded as general cover with bare spots of no more than 10% and no spot to be larger than 250mm in diameter. Should cover not be adequate, in the opinion of the Engineer, re-seeding, at the Contractors expense, will be undertaken).	m <sup>2</sup>	14000		
<b>3.13</b>			<b>MOWING</b>				
3.13.1			Mowing new established grass, when directed by the Engineer, using acceptable motorised mowers including disposal of cuttings offsite (2 visits)	m <sup>2</sup>	14000		
<b>3.14</b>			<b>LINE MARKINGS</b>				
3.14.4		LI	Apply 100mm wide white chalk lines to soccer/rugby fields including setting out of work	Sum	1		
<b>3.15</b>			<b>POSTS</b>				
3.15.1		LI	Supply delivery and erection of fixed type senior rugby goals with ground posts manufactured from 75mm x 50mm x 2.5 mm structural rectangular hollow tubing, hot-dip galvanised and white painted with QD enamel. All to International rules and regulations.	No	2		
3.15.2		LI	Supply delivery and erection of heavy duty polypropylene soccer netting. Mesh size 120mm x 2.5mm chord. Complete with Hot-dip galvanised steel pegs to secure net to ground. All to International rules and regulations.	No	2		
<b>3.16</b>			<b>IRRIGATION</b>				
3.16.1			Carting of water for temporal watering system for the proposed fields (water costs only)	Sum	1		
3.17			Scoreboard	No	1		
			Planting of 20 trees	sum	1		
<b>Carried Forward to Summary</b>							

## SECTION 4: ATHLETICS TRACK

Item No	Ref	Description	Unit	Quantity	Rate	Amount
4		<b>Athletic Track</b>				
4.1	SANS 1200 DM	<b>Layerworks</b>				
4.1.1		<b>Treatment of bedding</b>				
4.1.1.1	8.3.3 a)	Bedding preparation and compaction of material to :				
4.1.1.2	8.3.3 (2)	Minimum of 93% of Modified AASHTO maximum density	m <sup>3</sup>	690		
4.1.2	SANS 1200 ME	<b>Subbase</b>	m <sup>3</sup>	680		
4.1.2.1	8.3.1	Construct the sub-base course/shoulders/ gravel wearing course with material excavated in all materials from borrow pits (200mm G5 compacted to 98% Mod AASHTO density)				
4.1.3.1	8.3.3	<b>Construct base with material from commercial source</b> (150mm G2 compacted to 98% Mod AASHTO density) CONIPUR M or equivalent Full Polyurethane 15mm IAAF				Rate Only
4.2.1	PSAT 1	Certified 3 x layer 40mm Premix (Asphalt) including priming	m2	3240		Rate Only
4.2		13mm Synthetic Surface to Running Track	m2	3240		Rate Only
4.3		20mm Polyurethane High Impact Surface	m2	3240		Rate Only
4.4		25mm Sandwich Polyurethane to Water Jump	m2	3240		Rate Only
4.5		40mm Premix (Asphalt) including priming	m2			Rate Only
4.6		Synthetic turf (artificial)/	m2	3240		Rate Only
4.7		Approved athletic grass	m2	3240		Rate Only
4.8		Installation of the new edge beam	m	1698		
		25 Mpa 19mm Concrete in the Athletic Track and 60mm thick	m2	3240		Rate Only
<b>Total carried to summary</b>						

## SECTION 5: MAIN GRANDSTAND

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.5</u></b>				
	<b><u>MAIN GRANDSTAND</u></b>				
	<b><u>BILL NO.1</u></b>				
	<b><u>EXCAVATION, FILLING, ETC</u></b>				
	<b><u>Excavation in earth to reduces levels</u></b>				
1	Under solid floors	m3	31		
	<b><u>Excavation in earth not exceeding 2m deep</u></b>				
2	Trenches	m3	119		
3	Column bases, holes, etc	m3	10		
	<b><u>Extra over all excavations for carting away</u></b>				
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	66		
	<b><u>Risk of collapse of excavations</u></b>				
5	Sides of bulk excavations not exceeding 1,5m deep	m2	389		
	<b><u>Keeping excavations free of water</u></b>				
6	Keeping excavations free of all water other than subterranean water	Item(Np)	1		
	<b><u>Filling material obtained from excavations compacted to 93% Mod AASHTO density</u></b>				
7	Backfilling to trenches, holes, etc	m3	63		
	<b><u>Filling material obtained from the commercial sources compacted to 93% Mod AASHTO density</u></b>				
8	Under floors	m3	62		
	<b><u>Coarse river sand filling supplied by the contractor</u></b>				
9	Under floors etc	m3	6		
	<b><u>Compaction of surfaces</u></b>				
10	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	207		
TOTAL CARRIED FORWARD					



ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
CARRIED FORWARD					
<u>SOIL POISONING</u>					
<u>Soil insecticide</u>					
11	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	207		
12	To bottoms and sides of trenches etc	m2	497		
TOTAL CARRIED FORWAD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.2</u></b>				
	<b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>REINFORCED CONCRETE</u></b>				
	<b><u>25 Mpa 19mm Concrete in</u></b>				
1	Strip footings	m3	35		
2	Surface beds on waterproofing	m3	21		
3	Thickening under floors including shallow excavation	m3	1		
4	Wall beams	m3	3		
5	Column bases	m3	4		
6	Columns in foundations (Provisional)	m3	0.3		
7	Columns	m3	2		
	<b><u>PROPRIETARY FLOOR SYSTEM</u></b>				
	<b><u>Stabilon floor system bedded on brick wall with cement mortar</u></b>				
8	S 200 floor slabs with rounded edges	m2	273		
	<b><u>TEST BLOCKS</u></b>				
9	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No(Np)	5		
	<b><u>SMOOTH FORMWORK</u></b>				
	<b><u>Smooth formwork to</u></b>				
10	Sides of beams	m2	26		
11	Sides of columns in foundations (Provisional)	m2	6		
12	Sides of columns	m2	45		
	<b><u>REINFORCEMENT</u></b>				
	<b><u>Mild steel reinforcement to structural concrete work</u></b>				
13	10mm Diameter bars	t	0.56		
TOTAL CARRIED FORWARD					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
CARRIED FORWARD					
	<u>High tensile steel reinforcement to structural concrete work</u>				
14	12mm Diameter bars	t	1.01		
15	12mm Diameter bars (Provisional)	t	0.79		
16	No.245 fabric reinforcement in concrete surface beds, slabs, etc	m2	207		
TOTAL CARRIED FORWAD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.3</u></b>				
	<b><u>MASONRY</u></b>				
	<b><u>FOUNDATIONS (PROVISIONAL)</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
1	One brick walls	m2	267		
	<b><u>SUPERSTRUCTURE</u></b>				
	<b><u>Brickwork of NFP bricks in class II mortar</u></b>				
2	Half brick walls	m2	106		
3	One brick walls	m2	281		
	<b><u>BRICKWORK SUNDRIES</u></b>				
3	Brickwork reinforcement				
4	75mm Wide reinforcement built in horizontally	m	153		
5	150mm Wide reinforcement built in horizontally in foundations (Provisional)	m	385		
6	150mm Wide reinforcement built in horizontally	m	397		
	<b><u>100 x 70 mm Prestressed Fabricated Lintels</u></b>				
7	Lintels in lengths not exceeding 3m	m	13		
	<b><u>Turning pieces</u></b>				
8	110 mm Wide turning piece to lintels etc	m	15		
	<b><u>FACE BRICKWORK</u></b>				
	<b><u>External face brickwork of Roan Travertine face bricks in stretcher bond pointed with recessed horizontal and vertical joints</u></b>				
9	Extra over brickwork for face brickwork in foundations (Provisional)	m2	12		
10	Extra over brickwork for face brickwork	m2	309		
	<b><u>Brick-on-edge header course copings, sills, etc of Roan Travertine face bricks pointed with recessed joints on all exposed faces</u></b>				
11	220mm Wide lintel	m	22		
TOTAL CARRIED FORWARD					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
CARRIED FORWARD					
	<u>CILLS, ETC</u>				
	<u>Asbestos cement</u>				
12	160mm Cill set flat and slightly projecting	m	17		
13	160mm Cill set sloping and slightly projecting	m	17		
TOTAL CARRIED FORWAD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
<b><u>SECTION NO.6</u></b>					
<b><u>BILL NO.4</u></b>					
<b><u>WATERPROOFING</u></b>					
<b><u>DAMP-PROOFING OF WALLS AND FLOORS</u></b>					
<b><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u></b>					
1	In walls	m2	40		
<b><u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b>					
2	Under surface beds, ground beams, etc	m2	207		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
1	<p align="center"><b><u>SECTION NO.6</u></b></p> <p><b><u>BILL NO.5</u></b></p> <p><b><u>ROOF COVERINGS AND GALVANISED STEEL</u></b>  <b><u>SUPPORTS STRUCTURE ETC</u></b></p> <p><b><u>Supply and Installation of roof complete as per drawings</u></b></p> <p><u>0,8mm IBR roof covering with "globalcoat" finish on one side in single lengths fixed to steel structure and 0,8mm galvanised sheet steel accessories with "globalcoat" finish on one side</u></p> <p>Darwing No:  2021040-CIV-1040  2021040-CIV-1041  2021040-CIV-1042  2021040-CIV-1043 Notes</p>	Sum	1		
TOTAL CARRIED FORWAD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.6</u></b>				
	<b><u>CARPENTRY AND JOINERY</u></b>				
	<b><u>DOORS ETC</u></b>				
	<b><u>Wrought meranti doors hung to steel frames</u></b>				
1	44mm Framed batten door 813 x 2 032 mm high	No	4		
2	44mm Framed batten door 813 x 2 032 mm high with and including two 350 x 350mm hole for and including aluminium louver vents	No	2		
3	44 mm Framed batten double door 1 511 x 2 032 mm high with mm rebated meeting stiles, each leaf of 44 x 150 mm top rail and stiles, 16 x 150 mm middle ledge and braces and 22 x 230 mm bottom ledge filled in with 22mm V-jointed one side boarding and covered on other side with 6 mm plywood with veneer to match door let into and rebates all round	No	1		
	<b><u>Semi-solid flush doors with 3,2mm standard hardboard covering on both sides hung to steel frames</u></b>				
4	44mm Door 813 x 2 032 mm high	No	15		
	<b><u>JOINERY SUNDRIES</u></b>				
	<b><u>Wrought meranti</u></b>				
5	75 x 19 mm skirting including 19 mm quadrant bead nailed to wall	m	45		
	<b><u>FITTINGS, ETC</u></b>				
	<b><u>BENCHES</u></b>				
	<b><u>Wrought meranti</u></b>				
6	Slatted shelving, seats, etc of 32 x 70 mm slats at 10 mm apart	m2	6		
	<b><u>THE FOLLOWING IN SHELVING</u></b>				
	<b><u>Wrought Laminated Pine</u></b>				
7	22mm Shelves	m2	22		
	<b><u>Laminated Saligna</u></b>				
	32mm Worktop	m2	2		
TOTAL CARRIED FORWARD TO SUMMARY					



ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
	<u>SECTION NO.6</u>				
	<u>BILL NO.7</u>				
	<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>				
	<u>FLOOR COVERINGS</u>				
	<u>300 x 300 x 2,5 mm Semi-flexible vinyl tiles laid on screed (elsewhere measured) with approved adhesive to</u>				
1	On floors	m2	37		
	<u>POLISH, SEALERS, ETC</u>				
2	Two coats wax polish on vinyl flooring	m2	37		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.8</u></b>				
	<b><u>IRONMONGERY</u></b>				
	<b><u>HINGES, BOLTS, ETC</u></b>				
	<b><u>Union</u></b>				
1	150mm SC flush bolt with keep fixed to metal	No	1		
2	150mm SC flush bolt with keep let into concrete	No	1		
	<b><u>LOCKS</u></b>				
	<b><u>Union or other approved</u></b>				
3	Two lever mortice lockset with satin chrome handles	No	3		
4	Three lever lockset with satin chrome handles	No	7		
5	SC Rebated conversion set	No	1		
6	Indicator bolt	No	12		
	<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
	<b><u>Engraved aluminium international toilet signs or symbols</u></b>				
7	75 x 150mm Male symbol	No	1		
8	75 x 150mm Female symbol	No	1		
9	75 x 150mm Paraplegic symbol	No	2		
	<b><u>Charman Industries</u></b>				
10	DL3 Stainless steel wall mounted side grab rail plugged	No	2		
11	SR2 Stainless steel wall mounted rear grab rail around cistern plugged	No	2		
	<b><u>SHELVES ETC</u></b>				
	<b><u>Shelvit with standard epoxy powder coated finish</u></b>				
12	2 000 mm Single slot wall band plugged	No	16		
13	305 mm Single shelf bracket	No	56		
	<b><u>SUNDRIES</u></b>				
	38mm Diameter red rubber door stop	No	23		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCH QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.9</u></b>				
	<b><u>METALWORK</u></b>				
	<b><u>BOLTS, ETC</u></b>				
1	M10 x 50mm Expansion bolt	No	8		
2	M10 x 100mm Expansion bolt	No	36		
3	M8 x 50mm Expansion bolt	No	16		
	<b><u>Mild Steel</u></b>				
4	50 x 50 x 3mm Twice holed angle iron L- shaped bracket 850mm girth with and including 200 x 200 x 3mm triangular corner gusset bolted to wall (bolts elsewhere)	No	25		
	<b><u>WELDED SCREENS, GATES, ETC</u></b>				
	<b><u>Mild steel gates</u></b>				
5	Provide a Prime Cost Sum of R 15,000.00 (Fifteen thousand rand) for the manufacture, supply and delivery of seven security gates, mild steel framing, bolts and locking devises, etc	Item	1		
6	Allow for profit on last	Item	1		
7	Take delivery of, store temporarily and fix mild steel security gates and necessary framing	Item(Np)	1		
	<b><u>STEEL ROLLER SHUTTERS ETC</u></b>				
	<b><u>Serranda or other approved galvanised roller shutters fixed to brickwork or concrete</u></b>				
8	Manual push-up slatted roller shutter for 2 000 x 1 000 mm high opening	No	2		
	<b><u>PRESSED STEEL DOOR FRAMES</u></b>				
	<b><u>1,2mm Double rebated frames suitable for half brick walls</u></b>				
9	Frame for door 813 x 2 032 mm high	No	13		
	<b><u>1,2mm Double rebated frames suitable for one brick walls</u></b>				
10	Frame for door 813 x 2 032 mm high	No	8		
11	Frame for double door 1511 x 2032 mm high	No	1		
TOTAL CARRIED FORWARD					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
CARRIED FORWARD					
<b><u>STEEL WINDOWS, DOORS, ETC</u></b>					
<b><u>Standard residential type windows with 20 x 5mm flat section mild steel burglar bars at 150 mm centres to all opening sashes</u></b>					
12	Window type NC7, size 1022 x 949mm high	No	2		
13	Window type NE 22, size 2000 x 654mm high	No	4		
14	Window type NE 1, size 533 x 654mm high	No	13		
<b><u>SUNDRY STEELWORK</u></b>					
<b><u>THE FOLLOWING IN WELDED STEEL BALUSTRADING</u></b>					
<b><u>Mild steel</u></b>					
15	20 x 20 x 3mm Angle iron balusters	m	51		
16	50 x 50 x 4,5mm Rail	m	36		
17	100 x 100 x 5mm End or base plate welded to rail and bolted to brick or concrete	No	6		
<b><u>Valmetex mesh</u></b>					
18	Gauge mesh welded to steel balusters and rails	m2	17		
<b><u>THE FOLLOWING IN WELDED STRUCTURAL STEELWORK</u></b>					
<b><u>Mild steel</u></b>					
19	100mm Diameter x 4,5mm thick hollow section column	m(Np)	31		
20	40 x 40 x 6mm Angle iron truss member	t(Np)	0.18		
21	70 x 70 x 6mm Angle iron truss member	t(Np)	0.53		
22	175 x 50 x 20 x 2,5mm Lipped channel purlins	t(Np)	1.4		
23	150 x 150 x 5mm End or base plate welded to rail and bolted to brick or concrete	No	16		
24	M8 x 50mm Expansion bolt	No	32		
TOTAL CARRIED FORWAD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.10</u></b>				
	<b><u>PLASTERING</u></b>				
	<b><u>SCREEDS</u></b>				
	<b><u>1:5 Cement plaster screeds wood floated on concrete</u></b>				
1	25 mm Thick on floors and landings	m2	126		
	<b><u>GRANOLITHIC or similar, to be approved by the Engineer:</u></b>				
	<b><u>Untinted granolithic on concrete</u></b>				
2	28mm Thick on floors and landings	m2	84		
3	19 x 75mm Skirting	m	81		
	<b><u>INTERNAL PLASTER</u></b>				
	<b><u>1:5 Cement plaster on brickwork</u></b>				
4	On walls	m2	502		
5	On narrow widths	m2	8		
	<b><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></b>				
	<b><u>Brass</u></b>				
6	25 x 3 mm Flat section dividing strips between different floor finishes	m	2		
7	28 x 3 mm Flat section water bar bedded in and including forming groove in concrete floor	m	6		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
<b><u>SECTION NO.6</u></b>					
<b><u>BILL NO.11</u></b>					
<b><u>TILING</u></b>					
<b><u>WALL TILING</u></b>					
<b><u>152 x 152 x 5mm White glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)</u></b>					
1	Walls	m2	298		
2	175 x 175mm Toilet roll holder	No	12		
<b><u>FLOOR TILING</u></b>					
<b><u>300 x 300 x 10 mm "Samca" or other approved non-slip glazed floor tiles fixed with and including cement mortar bedding and flush pointed with tinted waterproof jointing compound</u></b>					
3	On floors and landings	m2	88		
4	100mm Skirting tiles	m	138		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.12</u></b>				
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>				
	<b><u>SANITARY FITTINGS</u></b>				
	<b><u>Vaal White Vitreous China or similar, to be approved by the Engineer:</u></b>				
1	Oval Lavatory basin with single taphole bolted to wall with and including with 32 mm chromium plated waste union plug and chain	No	16		
2	Low level WC suite comprising pan with heavy duty white plastic seat and flap and 9 litre cistern code 710533 complete with lid and fittings and flush pipe	No(Np)	10		
3	Vaal 4392 Paragon wall mounted paraplegic WC suite, 90 degree outlet back and inlet pan code 4392 fixed to and including cast iron cradle and legs with purpose-made wall anchor bracket, complete with DPE plastic luxus seat, chrome plate flushmaster valve with purpose-made chrome plate flushpipe and cone, and chromium plated extension lever with spring	No(Np)	2		
4	490 x 400mm Washdown wall mounted urinal with wall hangers, strainer waste, top inlet spreader and chromium plated flush pipes, complete with 4,5 litre syphonic cistern	No(Np)	4		
	<b><u>Citimetal or similar, to be approved by the Engineer:</u></b>				
5	Curved back urinal Model CB 101 1800mm long x 1264 x 305mm deep complete with flush system and brass trap cp waste union	No	1		
	<b><u>TRAPS, ETC</u></b>				
	<b><u>Cobra Watertech or similar, to be approved by the Engineer:</u></b>				
6	32 mm Chrome plate bottle trap	No(Np)	20		
7	40mm Brass shower trap complete with cp waste union grating	No(Np)	2		
	<b><u>TAPS, VALVES, ETC</u></b>				
	<b><u>Cobra Watertech or similar, to be approved by the Engineer:</u></b>				
8	15mm 232 / 350 CP angle regulating valve	No(Np)	12		
9	15 mm 484 Chrome plate "Carina" pillarcock	No(Np)	16		
10	15 mm 484 "Carina" elbow action pillarcock	No(Np)	2		
11	20mm Chromium plated shower set	No(Np)	8		
TOTAL CARRIED FORWARD					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
CARRIED FORWARD					
	<b><u>SANITARY PLUMBING</u></b>				
	<b><u>uPVC pipes</u></b>				
12	40 mm Pipes	m(Np)	38		
13	100 mm Pipes	m(Np)	240		
	<b><u>Extra over uPVC pipes for fittings</u></b>				
14	40 mm Bend	No(Np)	6		
15	40mm Splayed end	No(Np)	4		
16	40 mm Junction	No(Np)	16		
17	40 mm Access bend	No(Np)	4		
18	40 mm vent cowl	m(Np)	2		
20	110 mm Bend	No(Np)	4		
21	110mm Junction	No(Np)	12		
22	100 mm Pan connector	No(Np)	40		
23	110 mm Access bend with anti-syphon horn	No(Np)	12		
	<b><u>Sundries</u></b>				
23	Testing waste pipe system	Item(Np)	1		
	<b><u>WATER SUPPLIES</u></b>				
	<b><u>Class 0 copper pipes</u></b>				
24	15 mm Pipes	m(Np)	51		
25	22 mm Pipes	m(Np)	28		
26	15 mm Pipes chased into brick walls	m(Np)	16		
27	22 mm Pipes chased into brick walls	m(Np)	10		
	<b><u>Extra over class 0 copper pipes for capillary fittings</u></b>				
28	15 mm Fittings	No(Np)	30		
29	22mm Fittings	No(Np)	18		
TOTAL CARRIED FORWAD					



ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
CARRIED FORWARD					
	<b><u>Chrome Plate Service Pipes</u></b>				
30	15 mm Diameter flexi service pipe not exceeding 450 mm girth	No(Np)	28		
	<b><u>TESTING</u></b>				
31	Testing water pipe system	Item(Np)	1		
	<b><u>FIRE APPLIANCES ETC</u></b>				
	<b><u>Chubb or similar, to be approved by the Engineer:</u></b>				
32	4,5kg Carbon dioxide fire extinguisher	No(Np)	4		
TOTAL CARRIED FORWAD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHE QTY	RATE	AMOUNT
<b><u>SECTION NO.6</u></b>					
<b><u>BILL NO.13</u></b>					
<b><u>GLAZING</u></b>					
<b><u>GLAZING TO STEEL WITH PUTTY</u></b>					
<b><u>4 mm Clear float glass</u></b>					
1	Panels exceeding 0.1m2 and not exceeding 0.5m2	m2	0.4		
2	Panels exceeding 0,5m2 and not exceeding 2,0m2	m2	2		
<b><u>4 mm Rough cast glass</u></b>					
3	Panels exceeding 0,1 m2 and not exceeding 0.5m2	m2	9		
<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b>					
<b><u>6 mm Silvered float glass copper backed mirrors with</u></b>					
<b><u>polished edges holed for and fixed with chromium plated</u></b>					
<b><u>dome capped mirror screws with rubber buffers to plugs in</u></b>					
<b><u>brickwork or concrete</u></b>					
4	450 x 600mm Mirror with four screws	No	16		
5	500 x 1000 mm Mirror with four screws	No	2		
TOTAL CARRIED FORWARD TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	SCHEDULE QTY	RATE	AMOUNT
	<b><u>SECTION NO.6</u></b>				
	<b><u>BILL NO.14</u></b>				
	<b><u>PAINTWORK</u></b>				
	<b><u>PAINTWORK ETC TO NEW WORK</u></b>				
	<b><u>ON FLOATED PLASTER</u></b>				
	<b><u>One coat alkali resistant primer and two coats eggshell enamel paint</u></b>				
1	On internal walls	m2(Np)	209		
	<b><u>ON ASBESTOS CEMENT</u></b>				
	<b><u>One coat primer and two coats gloss enamel paint</u></b>				
2	On window cills	m2(Np)	5		
3	Dummy item	m	1		
	<b><u>ON METAL</u></b>				
	<b><u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one undercoat and two coats gloss enamel paint on steel</u></b>				
4	On door frames	m2(Np)	30		
5	On windows with burglar bars	m2(Np)	23		
6	Gates, grilles, etc (both sides measured)	m2(Np)	26		
7	On balustrate mesh (both sides measured)	m2(Np)	34		
8	On general surfaces of steel	m2(Np)	130		
9	On general surfaces of mild steel frame, brackets, etc not exceeding 300 mm girth	m(Np)	226		
	<b><u>ON WOOD</u></b>				
	<b><u>Three coats polyurethane clear varnish</u></b>				
10	On doors	m2(Np)	78		
11	On general surfaces of shelves, seating, etc	m2(Np)	6		
12	Skirting not exceeding 300mm girth	m(Np)	68		
TOTAL CARRIED FORWARD TO SUMMARY					

	<b>SECTION NO . 6 SUMMARY</b>	<b>AMOUNT</b>
BILL NO		
	1 EARTHWORKS (PROVISIONAL)	
	2 CONCRETE, FORMWORK AND REINFORCEMENT	
	3 MASONRY	
	4 WATERPROOFING	
	5 ROOF COVERINGS, ETC	
	6 CARPENTRY AND JOINERY	
	7 FLOOR COVERINGS, PLASTIC LININGS, ETC	
	8 IRONMONGERY	
	9 METALWORK	
	10 PLASTERING	
	11 TILING	
	12 PLUMBING AND DRAINAGE (PROVISIONAL)	
	13 GLAZING	
	14 PAINTING	
TOTAL CARRIED FORWARD TO FINAL SUMMARY		

## SECTION 6: COMBI COURTS

ITEM NO	PAYMENT REF	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.1.		<b><u>SUB-STRUCTURE (Refer to SARS Norms &amp; Standards Vol 2):</u></b>  construction of netball field (30.5M X 15.25M), Basketball (29m x 15m), Tennisball (23,7m x 10,9m and Volley ball (18m x 9m) including all layer works				
6.1		<b><u>EXCAVATION AND LAYER WORKS</u></b>				
6.1.1		Excavate, Rip and recompact, with corrected levels, the insitu material to 93% MOD AASHTO	m <sup>2</sup>	1100		
6.1.2		Imported Subbase (G5) Compacted to 95% Mod-Aashto Treated With Insecticide and Weedkiller	m <sup>2</sup>	1100		
6.1.3		30mm Thick asphalt carpet compacted to a true, smooth and even finish. (including binding bitumen)	m <sup>2</sup>	1100		
		50mm hick 25Mpa concrete carpet, smooth and even finish.	m <sup>2</sup>	1100		Rate Only
6.1.3.1		5mm thck fine slurry	m <sup>2</sup>	1100		
6.1.4		Final court surface (Polyurethane or similar) to manufacturers spesifications	m <sup>2</sup>	1100		
6.1.5		Line markings	m	966		
6.2		<b><u>SPECIALIST ITEMS</u></b>				
6.2.2		Perimeter fencing including posts as per SARS Norms & Standards	m	183		
6.2.3		Tennis nets, posts and basketball/Netball posts	Sum	1		
6.2.4		Backboard posts	No.	6		
6.2.5		Backboards	No.	2		
6.2.6		Umpire chairs	No.	2		
6.2.7		Two pedestrian Gates	No.	2		
6.3		Concrete edge beam 100x200mm 25Mpa	m	120		
<b>TOTAL CARRIED TO SUMMARY</b>						

## SECTION 7: STORMWATER DRAINAGE

Item No	Ref	Description	Unit	Quantity	Rate	Amount
7		<b>PREFABRICATED CULVERTS</b>				
7.1		<b>Excavation:</b>				
7.1.1	(a)	Excavating soft material situated within the following depth ranges below the surface level:				
7.1.1.1		(i) 0 m up to 1,5 m	m <sup>3</sup>	1850		
		(ii) Exceeding 1,5 m and up to 3,0 m	m <sup>3</sup>	850		
		(iii) Exceeding 3,0 m and up to 4,5 m	m <sup>3</sup>	20		
	(b)	Extra over subitem 22.01(a) for excavation in hard material, irrespective of depth	m <sup>3</sup>	60		
		<b>Backfilling:</b>				
	(a)	Using the excavated material	m <sup>3</sup>	450		
	(b)	Using imported selected material	m <sup>3</sup>	180		
	(c)	Extra over subitems B22.02(a) and (b) for soil cement (soilcrete) backfilling containing 8% cement	m <sup>3</sup>	5.00		
<b>Total carried to forward</b>						

Item No	Ref	Description	Unit	Quantity	Rate	Amount
<b>Brought Forward</b>						
7.2	<b>SABS 1200 LE</b>	<b>STORMWATER DRAINAGE</b>				
7.2.1	8.2.1	<u>Supply and lay concrete pipe and portal culverts (OGEE pipes on Class C bedding) :</u>				
7.2.1.1		300mm Ø , 75D	m			Rate Only
7.2.1.2		450mm Ø , 75D	m	800		
7.2.1.3		600mm Ø , 100D	m	10		
7.2.1.4		1000mm Ø , 100D	m			Rate Only
7.3	8.2.8	<u>Supply and install manholes, catchpits, and the like</u>				
7.3.1		b) Catchpits (complete, as per drawing)	No	18		
7.3.2		Headwalls (complete, as per drawing)	No	2		
7.4		Cast in situ class 25/19 concrete lining in V-drains	m <sup>3</sup>	80		
7.4.1		Welded steel fabric	kg	1000		
7.4.2		Class U2 surface finish including form work	m <sup>2</sup>	1200		
7.4.3		Prefabricated barrier kerb, SABS 927 fig 3, with 300 mm wide cast in situ concrete channel, class 25/19	m	100		
<b>Total carried to summary</b>						

Item No	ref	LIC	Description	Unit	Quantity	Rate	Amount
			<b>SEWERS</b>				
	<b>8 SABS 1200 DA</b>		<b>EATHWORKS (SMALL WORKS ) SEWER MANHOLES</b>				
8.1	8.3.2	LI	<u>Restricted excavations for manholes</u>				
8.1.1			a) Excavate in all materials and use for backfill or dispose, as ordered, for sewer manholes of depths:				
8.1.1.1			i) Up to 1,0m	m3	20		
8.1.1.2			ii) Exceeding 1,0m and up to 2,0m	m3	26		
8.1.1.3			iii) Exceeding 2,0m and up to 3,0m	m3	10		
8.1.2			b) Extra over for:				
8.1.2.1			i) Intermediate excavation	m3	15		
8.1.2.2			ii) Hard Excavation	m3	50		
<b>Total carried forward</b>							



Item No	ref	LIC	description	unit	qty	rate	amount
<b>Total Brought forward</b>							
8.2	8.3.2		<u>Excavation</u> Manual excavation using local labour and picks and shovels in all materials for 760mm wide trenches, backfill, compact and dispose of surplus material, for the following depths:				
8.2.1		LI	i) Up to 1,0m	m3	65		
8.2.2		LI	ii) Exceeding 1,0m and up to 2,0m	m3	120		
8.2.3			Mechanical excavation using backactor				
8.2.3.1			i) Up to 1,0m	m3	65		
8.2.3.2			ii) Exceeding 1,0m and up to 2,0m	m3	120		
8.2.3.3			iii) Exceeding 2,0m and up to 3,0m	m3	30		
8.2.4			b) Extra over for item 4.1.3				
8.2.4.1			i) Intermediate excavation	m3	150		
8.2.4.2			ii) Hard excavation	m3	120		
<b>Total carried forward</b>							

item no	ref	LIC	description	unit	qty	rate	amount
<b>Total Brought forward</b>							
8.3	SABS 1200 LB		<b>BEDDING ( PIPES)</b>				
8.3.1	8.2.1		<u>Provision of bedding material from trench excavation for Class C bedding:</u>				
8.3.1.1			a) Selected granular material	m3	40		
8.3.1.2			b) Selected fill material	m3	20		
8.3.1.3	8.2.2		Supply only of bedding material for Class C bedding				
8.3.2			<u>From designated borrow pits</u>				
8.3.2.1			a) Selected granular material	m3	60		
8.3.2.2			b) Selected fill material	m3	40		
<b>Total carried forward</b>							

item no	ref	LIC	description	unit	qty	rate	amount
<b>Total Brought forward</b>							
8.4	SABS 1200 LD		<b>SEWERS</b>				
8.4.1	8.2.1		<u>Supply, lay, joint, bed ( Class B ) and test pipeline, for a structured wall PVC sewer pipes conforming with SANS Specification as follows:</u>				
8.4.1.1			a) 110mm diameter - Class 6	m	60		
8.4.1.2			b) 160mm diameter - Class 6	m	300		
8.4.3			<u>Supply concrete manhole rings and covers conforming with the requirements of SABS 677 all straight channels, channel bends, concrete and sealant including all other required material for manhole depths</u>				
8.4.3.1			a) Up to 1,0m deep	No	4		
8.4.3.2			b) Exceeding 1,0m and up to 2,0m deep	No	2		
8.4.3.3			c) Exceeding 2,0m and up to 3,0m deep	No	1		
8.4.3.4			Extra-over item 6.2 for:				
8.4.4		LI	a) Backdrops	No	5		
8.4.4.1			d) For channel junctions in manhole for"				
8.4.4.2			i) 160mm to 160mm dia junction	No	2		
8.4.5			Connection ( including tees and bends )				
8.4.5.1		LI	connection not exceeding 2m	No	2		
8.5			<b>SEPTIC TANK</b>				
			Construction of the septic tank complete according to drawings this includes all excavation and backfilling, concrete works, brick works and all fittings	sum	1		
<b>TOTAL CARRIED TO SUMMARY</b>							

## SECTION 9: MEDIUM PRESSURE PIPELINES

Item No	Ref	LIC	Description	Unit	Quantity	Rate	Amount
9	SANS 1200 L		<b>MEDIUM PRESSURE PIPELINES</b>				
9.1	8.2.1		<u>Supply, bed, lay, disinfect, join and test potable water pipelines. All works inclusive in the rate, except where specific items are provided. All activities in accordance with project specifications.:</u>				
9.1.1			<u>HDPE Pipes</u>				
9.1.1.1			50mm dia. Class 12.5	m	300		
9.1.2			uPVC PIPES				
9.1.2.1			125mm dia. Class 12	m	50		
9.1.3			<u>PIPE FITTINGS</u>				
9.1.3.1			1) Non return Valve Assembly for 100mm steel pipe (all fittings, specials and flange drillings)	No.	4		
9.1.4			<u>BENDS</u>				
9.1.4.1			Bend 9° to 15° degree	No	1		
9.1.4.2			Bend 15° to 30° degree	No	1		
9.1.4.3			Bend 30° to 45° degree	No	1		
9.1.4.4			Bend 45° to 60° degree	No	1		
9.1.4.5			Bend 60° to 75° degree	No	1		
9.1.4.6			Bend 75° to 90° degree	No	1		
9.1.4.7			Supply and Install Irrigation Sytsem for the soccer pitch, two 10kl Jojo tanks and suitable pump and connector to electricity to have enough pressure for irrigation system as per drawing including excavation, bedding, pipe work backfilling and pressure testing. Connect to borehole	sum	1		
	8.5		Provisional Sum for the Engineer for the Procurement, Borehole Drilling, Equiping and Supervision by a Sepcialized Subcontractor. This will include the installation of 20m high pressed steel storage 15kl tank complete with concrete base, steel structure and fittings	Prv Sum	1	R 1,640,000	1,640,000.00
	8.5.1		Contractors Handling Costs	%			
<b>Total Carried Forward to Summary</b>							

## SECTION 10: STANDPIPES

Item No	Ref	LIC	Description	Unit	Quantity	Rate	Amount
10	SANS 1200 L		<b>STANDPIPES</b>				
10.1			Supply and install standpipe complete including HDPE saddle, 40mm HDPE pipe(20m), tap and galvanised riser pipe, No. concrete work including shuttering, elbows, nipples, etc,	No.	2		
10.2			Allow for a connection to the main line	Sum	1		
<b>Total Carried Forward to Summary</b>							

Item No	Ref	LIC	Description	Unit	Quantity	Rate	Amount
11	SANS 1200 L	L	<b>SECURITY FENCING</b>				
11.1			Supply and Install color coded 2m high Clear View, or similar, to be approved by the Engineer:	m	820		
			The Rate to include the following: Hole excavation up 75mm deep, Supply and Install 20mpa concrete for the fence panel foundation as per drawing. Supply and install 1,5 m high poles. concrete, backfill				
			Allow site clearing excavation for cast insitue concrete at the bottom of the fence as per drawing. mm where fence runs are to be erected, including removal of trees, shrubs etc, not including 200mm grith, grubbing up roots and roughly levelling	m3	120		
			Install 150mm straining corner post, including concrete base	No	4		
			Supply Install emergency roller gate (heavy duty) 6m long	No	2		
			Supply and Install roller gate Vehicle Gate 8m long the gate shall be heavy duty	No.	1		
			Supply and Install barbed wire fence, to be approved by the Engineer	m	900		
			Supply Install emergency pedestrian gate 2m long	No	2		
11.2			<b>220mm Brick Wall Fence</b>				
11.3			220mm x 2,2m high Face brick wall including brick force and foundation complete	m	100		
11.4			Supply and Install color coded 1,5m high Clear View, or similar, complete with poles separating the spectators with the player around the pitch to be approved by the Engineer:	m	600		Rate Only
11.5			Supply Install emergency pedestrian gate 1,5m long	No	2		Rate Only
<b>Total carried to summary</b>							

## SECTION 12: ELECTRICAL WORK

ITEM	SABS	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12		<b>ELECTRICAL WORK</b>				
12.1		<p>Electrical installation complete for all building work including lights (inside and outside), on the steel stand, the work will include connection from the connection point and provide certificate of compliance</p> <p><b>Electrical installation</b></p> <p>12 way Med adjustable distribution boards</p> <p>1 pole circuit breaker 10A</p> <p>2 pole circuit breaker 20A</p> <p>2 pole circuit breaker 60A</p> <p>Double Pole Isolator 63A</p> <p>Single light switchess</p> <p>Earth leakage unit SA 13-C</p> <p>Lumex type 16A 3-pin wall plugs</p> <p>1500 mm double tube 40 watt Fluorescent lights</p> <p>10 x 2/3 Core PVC cables</p> <p>Lightning protection</p> <p>Electrical Certificate of Compliance</p> <p>Dedicated switched 60A sokert outlet</p> <p>Normal Switched 16A sokert outlet</p> <p>250 Watt HPS Floodlights</p> <p>Wiring of the switching Room</p> <p>60A Isolator</p> <p>4x4 PVC surface mount box</p> <p>4x4 Flush pvc box</p> <p>2x4 Flush pvc box</p> <p>Single lever switch</p>				
12.2		<p><b>FLOOD LIGHTS FOR STADIUM</b></p> <p>Design of Stadium floods lights, in accordance with the relevant codes, a floodlighting system to provide an average maintained horizontal illuminance at ground level of not less than 200 lux, with an illumination uniformity of not less than 0,4 and an illumination uniformity gradient of not more than 25% per 5 m.</p> <p>The floodlighting system shall be capable of switching to a low level of 75 lux for general training purposes.</p> <p>The Service Provider shall provide for the installations of all ducts and concrete footings and Steel as required for the installation of the floodlights and shall provide complete installation. All footings shall be finished level with the finished ground level so as not to create a tripping hazard. Including poles installation 24m high minimum and cable connection point at 300m away from the stadium. External Kiosk next to each mast housing Circuit breakers and light fitting control gear</p> <p>The Service Provider shall submit as part of the proposal a lighting plot showing the anticipated horizontal illuminance over the entire area at each level of illuminance.</p> <p>All above work will include testing and commissioning. After completion of work the Service Provider shall submit quality control such as concrete test results and guarantee on the entire work done.</p>	Item	2		
<b>Total carried to summary</b>						

**TOTAL SUMMARY OF SCHEDULES**

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>TENDER AMOUNT</b>
1	PRELIMINARY AND GENERAL	
2	SITE CLEARANCE	
3	SOCCER FIELD	
4	ATHLETICS TRACK	
5	MAIN GRANDSTAND	
6	COMBI COURTS	
7	STORMWATER DRAINAGE	
8	SEWERS	
9	MEDIUM PRESURE PIPES	
10	STAND PIPES	
11	FENCE	
12	ELECTRICAL WORK	
13	<b>SUB-TOTAL 1</b>	
14	CPA @ 3.5%	
15	<b>SUB-TOTAL 2</b>	
16	ADD: VAT @ 15%	
17	<b>TOTAL AMOUNT (OFFER)</b>	