BLACKHEATH SUBSTATION PHASE 2
PROJECT ID: WS-STM- 1207- 1172- 00002
BILL OF QUANTITIES
01 February 2022

Contracts Management Services

Prepared by: Khangelwa Gura

BILL OF QUANTITIES
EXECUTIVE SUMMARY
Current Date: 01-February-22

J



BILLS OF QUANTITIES SUMMARY PAGE DESCRIPTION AMOUNT Α PRELIMINARIES AND GENERAL ITEMS R 0.00 A1 Fixed Items R 0.00 A2 Time Related Items R 0.00 А3 Health and Safety R 0.00 В **CIVIL WORKS** R 0.00 C **POWER PLANT** R 0.00 Power plant bills of quantities R 0.00 D **CONTROL PLANT** R 0.00 Control Plant bills of quantities R 0.00 Ε **DISMANTLING ACTIVITIES** R 0.00 Dismantling activities R 0.00 F **POWER PLANT BOM** R 0.00 Bills of material R 0.00 **CONTROL PLANT BOM** G R 0.00 Bills of material R 0.00 I **CONSTRUCTION COST EXCLUDING P'S & G'S** R 0.00 FINAL CONSTRUCTION COST INCLUDING R0 **P'S & G'S**



BLACKHEATH SUBSTATION

Item No.	Description	Unit	Qty	Rate	Price
Α	SECTION A: PRELIMINARY AND GENERAL				
A.1	Fixed Charge Items				
	Establish Facilities on Site:				
A.1.1	Site Offices and Storage Sheds including temporary site office fencing	Sum	1		R 0.00
A.1.2	Ablution facilities	Sum	1		R 0.00
A.1.3	Tools and Equipment	Sum	1		R 0.00
A.1.4 A.1.5	Water Supply Establishment of Plant on Site	Sum Sum	1		R 0.00 R 0.00
A.1.6	Electric Power and Communications	Sum	1		R 0.00
	Remove site establishment on Completion				
A.1.7	Including making good and restoring the site to the satisfaction of the client/engineer	Sum	1		R 0.00
	SUB-TOTAL				R 0.00
	Time-Related Items:				
A.1.8	Contractual Requirements.	Months	18		R 0.00
	contractad negarients.				
	Facilities for the contractor				
A.1.9	Site Offices and Storage Sheds including temporary site office	Month	18		R 0.00
A.1.10	fencing. Ablution facilities	Month	18		R 0.00
A.1.10	Tools and Equipment	Month	18		R 0.00
A.1.12	Water Supply	Month	18		R 0.00
A.1.13	Electricity	Month	18		R 0.00
7	Security(24/7).Two security guards at all times:night and day	- monar			11 0.00
A.1.14	Security(24/r). Not security officers with bullet vests and two-way radios at all times including a guard hut and toilet for them on site.	Month	18		R 0.00
A.1.15	Supervision for the duration of the contract (ORHVS Authorised Supervisor)	Month	18		R 0.00
	SUB-TOTAL				R 0.00
	Health & Safety & ENVIROMENTAL				
	To Comply With Legislative Requirement - Please Specify Below The Detail Breakdown Of Items Which Comprise The Lump Sum Costs:(specify If More Items Are Required) Note:H&s Plan To Be Submitted By Tenderers At Tender Stage.				
	December of the second selection and second				
A1.16	Prepare, submit and obtain approval of safety plan/file and lodge same on site	Item	1		R 0.00
	Personal protective equipment (Can only be claimed if local				
A1.17	labour is employed and proof of cost e.g invoice to be submitted when claimed)	Item	1		R 0.00
A1.18	Transportation of employees	month	18		R 0.00
A1.19	Safety Officer	month	18		R 0.00
	ENVIRONMENTAL				
A1.20	Environmental Requirements	ltem	1		R 0.00
	SUB-TOTAL				R 0.00
	TOTAL SECTION 'A' CARRIED FORWARD TO SUMMARY				R 0.00
В.	CIVIL WORKS (SUPPLY AND INSTALL)				
B1.				<u></u>	
			+ +		1
B4	SCHEDULE B: SITE CLEARANCE				
B1	Clear and grub in :				
B1.1	a) Site of Works	m2	11240		R 0.00
B1.2	b) Servitudes for Stormwater Channels (6m wide)	m 2	206	·	R 0.00
B2	Remove from site all rubble and undesirable material and dump at a site to be identified by the Contractor	m3	1		R 0.00
B2.	SCHEDULE C: EARTHWORKS GENERAL				
	BULK EARTHWORKS (for platform and stormwater				
	channels) Bulk excavation		+ +		1
	-am oxpuration	l	· L		

Item No.	Description	Unit	Qty	Rate	Price
B2.1	Remove topsoil to a nominal depth of 150 mm and remove from site	m2	4640		R 0.00
B2.2	Excavate in all material to shape substation platform levels, compacted to 93% MOD AASHTO density (100% for sand)	m3	180		R 0.00
B2.3	Extra over Item 8.3.2(a) for:				
B2.3.1 B2.3.2	a) Intermediate excavation b) Hard rock excavation	m3 m3	5 14		R 0.00 R 0.00
B2.4	Import suitable material from commercial sources to fill platform	m3	7320		
	area, compacted to 93% AASHTO density (100% for sand)	ms	7320		R 0.00
B2.5 B2.5.1	Restricted excavation				
B2.5.1	a) Open channels and cut off trenches to the cross section including finishings as per the detail.	m3	77		R 0.00
C6	Extra over Item 8.3.3 for:				
C6.1	a) Intermediate excavation	m3	7		R 0.00
C6.2	b) Hard rock excavation	m3	8		R 0.00
C7	CUT - SPOIL or STOCKPILE on site, of material out of platform and open channel excavations in:				
C7.1	a) Soft excavation	m3	7		R 0.00
C7.2 C7.3	b) Intermediate excavation	m3	7		R 0.00
C7.3	c) Hard rock excavation Extra over for temporary stockpiling of material	m3 m3	7		R 0.00
C9	Preparation and in-situ compaction of platform to:	1110	· '		R 0.00
C9	93% MOD.AASHTO-density (100 % for sand) on platform (in-	m3	1229		R 0.00
C9.1	situ selected layers) In-situ treatment of roadbed in:	1110	1223		10.00
C9.2	a) Intermediate material	2	-		R 0.00
C9.3 C9.4	b) Hard rock material	m3 m3	5 135		R 0.00
03.4		IIIO	100		
	SCHEDULE D: EARTHWORKS STREETS				
	Preparation and in-situ compaction of roadbed and walkways to:				
D1.1	93% MOD.AASHTO-density (100 % for sand) under roads and walkways (in-situ selected layers)	m3	162		R 0.00
	In-situ treatment of roadbed in:				
D1.2	a) Intermediate material	m3	4		R 0.00
D1.3	b) Hard rock material	m3	12		R 0.00
D2	CUT - FILL in road reserve or elsewhere on site, compacted to 93% MOD.AASHTO- density (100% for sand) with material:				
D2.1	a) From excavation on site	m3	4		R 0.00
D2.2	b) From commercial sources	m3	4		R 0.00
D3	Selected layers compacted to 93% MOD. AASHTO- density (100% or sand):				
D3.1 D3.1.1	Upper layer using materials: a) From excavation on site	m3	8		
D3.1.1	b) From commercial sources	m3	121		R 0.00 R 0.00
D3.2	Lower layer using materials:		12.		K 0.00
D3.2.1	a) From excavation on site	m3	8		R 0.00
D3.2.2	b) From commercial sources	m3	121		R 0.00
D4	Extra over Items SDDM 8.3.4 for:				
D4.1 D4.2	a) Intermediate material	m3 m3	6 10		R 0.00
D4.2	b) Hard rock material CUT - SPOIL or STOCKPILE on site, of material out of road	ms	10		R 0.00
Dr. 4	prism and walkways in:				
D5.1 D5.2	a) Soft excavation b) Intermediate excavation	m3 m3	6		R 0.00
D5.2	c) Hard rock excavation	m3	6		R 0.00 R 0.00
D6	Extra over Item D2.1,D3.1.1 & D3.2.1 for temporary stockpiling	m3	6		
	of material				R 0.00
D7	Overhaul				
D7.1 D7.2	a) Limited overhaul from 0.5km to 1.0km b) Long overhaul further than 1.0km	m3 m3.km	6		R 0.00
D7.2	Finishing of verges and channel profiles in cut or fill at grades	m2	517		R 0.00
	as shown.				R 0.00
D9 D10	Digging of trial holes Extra over PSDM 8.3.7 & PSDM 8.3.4 for removal of unsuitable material under roadbed for the following areas:	No	2		R 0.00
D10.1	0 - 100 m2	m2	6		R 0.00
D10.2	101 - 300 m2	m2	6		R 0.00
D10.3	greater than 300 m2	m2	6		R 0.00
	SCHEDULE E : OIL DRAINAGE				
	EXCAVATIONS				
	Trench excavations in all materials, backfilling, compacting and removal of surplus material for pipes:				
	with a nominal diameters greater than 300 mm up to 900 mm				
	for the following depths:				
E1.1	a) 0,00 - 1,00 m Extra over PSDB 8.3.2(a) for excavation and stockpiling on site	m	52		R 0.00
	as instructed:				
E1.4	a) Intermediate Material	m3	1		R 0.00
E1.5	b) Hard Rock Excavation	m3	2		R 0.00

Item No.	Description	Unit	Qty	Rate	Price
E1.6	Excavate and dispose of unsuitable material from the trench bottom	m3	1		R 0.00
	Excavate by hand to expose existing services as instructed	IIIO			R 0.00
E1.9 E2	Excavation Ancillaries	m3	1		10.00
EZ	Make up deficiency in backfillmaterial from:				
E2.1	a) commercial sources	m3	1		R 0.00
E2.2	b) excavations on site	m3	2		R 0.00
E2.3	Compaction in road reserves Overhaul	m3	33		R 0.00
E3 E3.1	a) Limited overhaul from 0,5km to 1,0km	m3	88		R 0.00
E3.2	b) Long overhaul further than 1,0km	m3.km	3		R 0.00
E4	Existing services				
	Services that intersect a trench d) Telkom cables				D 0 00
E4.1 E4.2	e) Electrical cables	No No	1		R 0.00 R 0.00
	Services that adjoin a trench:	110			
E4.3	d) Telkom cables	m	1		R 0.00
E4.4	e) Electrical cables	m	1		R 0.00
E5	Handling of ground water in trenches Supply and place 19 mm crushed stone from commercial	_	_		R 0.00
E5.1	sources b) Supply and place geotextile (refer to PSDB 3.8)	m3	6		R 0.00
E5.2 E6	BEDDING	m2	1		10.00
	Supply and compact bedding to 100% Mod.AASHTO-density with material:				
	from commercial sources:				
E6.1	a) Bedding	m3	7		R 0.00
E6.2	b) Blanket	m3	31		R 0.00
E7	PIPEWORK Supply, handle, lay and bed (Class C bedding) uPVC pipes, joint & test pipes:				
E7.1	a) 75mm dia	m	31		R 0.00
E7.1	b) 110mm dia	m	5		R 0.00
	Supply, handle, lay and bed (Class C bedding) concrete pipes, type Spigot & Socket:				
F7.0	300 mm dia 100D	m	71		R 0.00
E7.3	Extra over Item 8.2.1 for cutting ends of pipe on site for the				
E8	following dia:				
E8.1	300 mm dia	No	3		R 0.00
E9	Structures for oil drainage				
	Supply and install complete as indicated on the drawings: Manholes with type 2A cover and frame for the following depth				
	catagories:				
E9.1	1,01 m - 1,50 m	No	2		R 0.00
	SCHEDULE F : STORMWATER DRAINAGE				
	EXCAVATIONS				
	Trench excavations in all materials, backfilling, compacting and removal of surplus material for pipes:				
F1.1	a) 0,00 - 1,00 m	m	139		R 0.00
	Extra over PSDB 8.3.2(a) for excavation and stockpiling on site as instructed:				
F1.3	a) Intermediate Material	m3	2		R 0.00
F1.4	b) Hard Rock Excavation	m3	13		R 0.00
F1.5 F1.6	Excavate and dispose of unsuitable material from the trench Excavate by hand to expose existing services as instructed	m3 m3	1		R 0.00 R 0.00
F2	Excavation Ancillaries	2	<u> </u>		1.0.00
	Make up deficiency in backfillmaterial from:				
F2.1	a) commercial sources	m3	1		R 0.00
F2.2 F2.3	b) excavations on site Compaction in road reserves	m3 m3	1 52		R 0.00
F3	Overhaul Overhaul	1110	52		R 0.00
F3.1	a) Limited overhaul from 0,5km to 1,0km	m3	180		R 0.00
F3.2 F4	b) Long overhaul further than 1,0km Existing services	m3.km	5		R 0.00
1.7	Services that intersect a trench				
F4.1	a) Cable ducts	No	1		R 0.00
F4.2	b) Electrical cables	No	1		R 0.00
F4.3	Services that adjoin a trench: a) Telkom cables	m	5		R 0.00
F4.4 F5	b) Electrical cables	m	130		R 0.00
F5.1	Handling of ground water in trenches b) Supply and place 19mm crushed stone from commercial	m3	4		R 0.00
F5.2 F6	b) Supply and place geotextile (refer to PSDB 3.8) Bedding	m2	90		R 0.00
	Supply and compact bedding to 100% Mod.AASHTO-density				
F6.1	from commercial sources: a) Bedding	m3	8		R 0.00
F6.2	b) Blanket	m3	93		R 0.00

Supply, handed Lay and bed (Class C bedding) concrete pipes.	Item No.	Description	Unit	Qty	Rate	Price
Fig. 200 mm 750						
FR.1 States over them 8.2.1 for cutning ended of pipe on site for the FR.1 Structures for community and indigate of the distinuity. FR.3 Structures for community and indigate on the distinuity. FR.4 CO. Structures for community and indigate on the distinuity. FR.4 CO. Structures for community and indigate on the distinuity. FR.5 CO. Structures for community and indigate on the community and indigate on the community. FR.5 CO. Structures for community and indigate on the community. FR.5 CO. Structures for community and indigate on the community. FR.5 CO. Structures for community and indigate on the community. FR.5 CO. Structures for complete on detail for the following depths. FR.5 CO. Structures for complete on detail for the following depths. FR.6 CO. Structures for complete on detail for the following depths. FR.6 CO. Structures for complete on detail for the following depths. FR.6 CO. Structures for complete on detail for the following depths. FR.6 CO. Structures for complete on detail for the following depths. FR.6 CO. Structures for complete on detail for the following depths. FR.6 CO. Structures for community of the following depths. FR.6 CO. Structures for community of the following depths. FR.6 CO. Structures following following complete on detail for the following following complete on detail for the following following complete on the following following following following complete on the following following following complete on the following	F7.1	375 mm 100D	m	130		R 0.00
Fig. Street Str	F7.2	600 mm 75D	m	6		R 0.00
Fig. Structures for stormwater drainings Supply and install complete an indicated on the drawings Feb. Supply and install complete an indicated on the drawings Feb. Rep.						
Supply and intellal complete as indicated on the charange.			No	6		R 0.00
Feature Feat	F9	<u> </u>				
FP4						
Double Intel Cathriptis with cover and frame complete to obtail PRS	F9 4		No	2		P 0 00
Fig. 0.00 m - 1.00 m R 0.00 R 0			110			10.00
PAGE 0.00 m - 1.00 m	F9.5		No	0		R 0.00
Cabita Treach Integration Chamber complete to detail for the No 4		Cast Iron Grid Inlet complete to detail for the following depths:				
FF7	F9.6		No	1		R 0.00
Double Combined Catching Grid field complete to obtail for the F88						
F18	F9.7		No	4		R 0.00
Fig. Substurface drainage. Supply and install subsurface drains complete as indicated on detail for Fig. 1	F9.8		No	1		R 0.00
FI0.1 a Type & H 100m						11 0.00
FF10.2 D Type B 1500mm		complete as indicated on detail for:				
Fig. 3		a) Type A 110mm	m	-		R 0.00
Construct in-altu cast reinforced concrete channel as per typical default, (see drawing)						
F10.4	F10.3		No	6		R 0.00
SCHEDULE G : SEWERAGE Trench executations in all materials, backfilling, compacting and removal of supplies, material for pipes dam 110mm to 300mm for depths:	=		m	191		R 0.00
Trenche recovariations in all materials, backfilling, compacting and removal of surplus material for pipes dam 110mm to 300mm for depths:	F10.4	ucian. (See drawing)				
Trenche recovariations in all materials, backfilling, compacting and removal of surplus material for pipes dam 110mm to 300mm for depths:		SCHEDULE G : SEWERAGE				
Femoval of surplus material for pipes dam 110mm to 300mm For depths: For depths:		Trench excavations in all materials, backfilling, compacting and				
G.1.1 a) 1,00 - 1,50 m		removal of surplus material for pipes diam 110mm to 300mm				
G.1.2 Exercation by hand to expose existing services G.2 G.2 Compaction in road reserves (Road crossings only) m.3 5 R. 0.00		for depths:				
G.1.2 Exercation by hand to expose existing services G.2 G.2 Compaction in road reserves (Road crossings only) m.3 5 R. 0.00	G.1.1	a) 1,00 - 1,50 m	m	14		R 0.00
G.2.1 Compaction in road reserves (Road crossings only) m3 5 R 0.00						
G.3 SUSTING SERVICES	G.2	EXCAVATION ANCILLARIES				
Services that intersect a trench			m3	5		R 0.00
G.3.1 3) Water pipes	G.3					
G.3.2 b Electrical cables No 1 R 0.00	G 3 1		No	-1		D 0 00
G.3.3 0 Kerbs No						
G.3.4 d) Stormwater pipes						
Handling of ground water in trenches	G.3.4		No	1		
G.4.1 1) Supply and place geotextile	G.4	FINISHINGS				
G.5 SEDDING Supply and compact bedding to 100% Mod.AASHTO-density with from commercial sources:						
Supply and compact bedding to 100% Mod AASHTO-density with from commercial sources:			m2	60		R 0.00
From commercial sources:	G.5					
G.5.1 a) Bedding						
District Color C	G.5.1		m3	2		R 0.00
G.6 SEWERS Supply and lay uPVC class 34 heavy duty, on class C bedding, joint and test sewer pipes	E.5.2					
Supply and lay uPVC Class 34 heavy duty, on Class C bedding, joint and test sever pipes G.6.1 a) 160 mm diam m 14 R.0.00 G.6.2 Manholes for the following depth catagories: 2.0 m - 2.5 m No 1 R.0.00 G.7.1 a) Err connections Marker posts as per detail for: Joint Connect to existing sever G.7.2 a) 1,00 - 1,50 m No 1 R.0.00 End caps G.8. a) 160 mm diam uPVC Class 34 No 1 R.0.00 SCHEDULE H: WATER RETICULATION H.1.1 a) 1,00 - 1,50 m m 57 R.0.00 H.1.2 Excavation by hand to expose existing services M.0.0 m 57 R.0.00 H.2.1 a) Sever pipes No 1 R.0.00 H.2.2 b) Electrical cables No 1 R.0.00 H.2.3 o) Kerbs H.4.4 Excavate by hand to expose existing services M.0.1 R.0.00 H.4.2 b) Electrical cables No 1 R.0.00 H.4.3 INISHINGS H.4.4 Excavate by hand to expose existing services M.0.0 R.0.00 H.5.2 b) Supply and place genor curshed stone from commercial sources M.0.00 H.5.1 a) Supply and place genor curshed stone from commercial sources M.0.00 H.5.2 b) Supply and place genor curshed stone from commercial sources M.0.00 H.5.1 a) Bedding M.0.00 H.5.2 b) Blanket M.0.00 H.6.3 SUNDRIES M.0.01 R.0.00 H.6.1 b) Water connections (blue) No 1 R.0.00 R.0.00 H.6.1 b) Water connections (blue)			m3	5		R 0.00
and test sewer pipes	G.6					
G.6.1 a) 160 mm diam						
G.6.2 Manholes for the following depth catagories: 2,0m - 2,5m	G.6.1	* *	m	14		R 0.00
G.7 SUNDRIES Marker posts as per detail for:						
Marker posts as per detail for: G.7.1 a) Erf connections		2,0m - 2,5m	No	1		R 0.00
G.7.1 a) Erf connections	G.7					
Connect to existing sewer G.7.2 a) 1,00 - 1,50 m No	0.74					
G.7.2 a) 1,00 - 1,50 m	G.7.1	,	NO	- '-		R 0.00
End caps G.8 a) 160 mm diam uPVC Class 34 No	G.7.2		No	1		R 0.00
SCHEDULE H: WATER RETICULATION H.1 Trench excavations in all materials, backfilling, compacting and H.1.1 a) 1,00 - 1,50 m m 57 R 0.00 H.1.2 Excavation by hand to expose existing services m3 5 R 0.00 H.2.2 EXISTING SERVICES EXECUTE SERVICES		End caps				
H.1 Trench excavations in all materials, backfilling, compacting and H.1.1 a) 1,00 - 1,50 m m 57 R 0.00 H.1.2 Excavation by hand to expose existing services m3 5 R 0.00 H.2 EXISTING SERVICES EXISTING SERVICES Services that intersect a trench	G.8	a) 160 mm diam uPVC Class 34	No	1		R 0.00
H.1 Trench excavations in all materials, backfilling, compacting and H.1.1 a) 1,00 - 1,50 m m 57 R 0.00 H.1.2 Excavation by hand to expose existing services m3 5 R 0.00 H.2 EXISTING SERVICES EXISTING SERVICES Services that intersect a trench						
H.1.1 a) 1,00 - 1,50 m	□ 4			-		
H.1.2 Excavation by hand to expose existing services m3 5 R 0.00 H.2 EXISTING SERVICES Services that intersect a trench R 0.00 H.2.1 a) Sewer pipes No 1 R 0.00 H.2.2 b) Electrical cables No 1 R 0.00 H.2.3 c) Kerbs No 1 R 0.00 H.2.4 Excavate by hand to expose existing services m3 2 R 0.00 H.3 FINISHINGS R 0.00 H.4 Excavate by hand to expose existing services m3 2 R 0.00 H.4.1 a) Supply and place in trenches R 0.00 H.5.2 b) Supply and place in trenches R 0.00 H.5.3 BEDDING R 0.00 R 0.00 H.5.4 Bedding M 0.00 R 0.00 H.5.5 Bedding M 0.00 R 0.00 H.5.6 Bedding M 0.00 R 0.00 H.5.7 Binaket M 0.00 R 0.00 H.5.8 Binaket M 0.00 R 0.00 H.5.9 Binaket M 0.00 R 0.00 H.5.1 Binaket M 0.00 R 0.00 H.5.2 Binaket M 0.00 R 0.00 H.5.3 Binaket M 0.00 R 0.00 H.5.4 Binaket M 0.00 R 0.00 H.5.5 Binaket M 0.00 R 0.00 H.5.6 Binaket M 0.00 R 0.00 H.5.7 Binaket M 0.00 R 0.00 H.5.8 Binaket M 0.00 R 0.00 H.5.9 Binaket M 0.00 R			m	57		R 0.00
H.2 EXISTING SERVICES Services that intersect a trench Services No						
Services that intersect a trench						
H.2.2 b) Electrical cables						
H.2.3 c) Kerbs No 1						
H.3 FINISHINGS H.4 Excavate by hand to expose existing services m3 2 R 0.00						
H.4			NO	1		K 0.00
Handling of ground water in trenches H.4.1 a) Supply and place 19mm crushed stone from commercial sources m3 5 R 0.00 H.5.2 b) Supply and place geotextile (refer to PSDB 3.8) m2 60 R 0.00 H.5 BEDDING Supply and compact bedding to 100% Mod.AASHTO-density with			m3	2		R 0.00
H.4.1 a) Supply and place 19mm crushed stone from commercial sources m3 5 R 0.00 H.5.2 b) Supply and place geotextile (refer to PSDB 3.8) m2 60 R 0.00 H.5 BEDDING Supply and compact bedding to 100% Mod.AASHTO-density with from commercial sources:						
H.5 BEDDING Supply and compact bedding to 100% Mod.AASHTO-density with		a) Supply and place 19mm crushed stone from commercial sources				R 0.00
Supply and compact bedding to 100% Mod.AASHTO-density with			m2	60		R 0.00
From commercial sources:	H.5			1		
H.5.1 a) Bedding m3 4 R 0.00 H.5.2 b) Blanket m3 17 R 0.00 H.6 SUNDRIES	<u> </u>			ļ		
H.5.2 b) Blanket m3 17 R 0.00 H.6 SUNDRIES	H 5 1		m3	4		R 0 00
H.6 SUNDRIES						
Kerb paint marking for: No 1 R 0.00 H.6.1 b) Water connections (blue) No 1 R 0.00			l .	<u> </u>		5.55
7		SUNDRIES				
H.6 MEDIUM PRESSURE PIPELINES						
	H.6.1	Kerb paint marking for: b) Water connections (blue)	No	1		R 0.00
uPVC Class 12 Pipes	H.6.1	Kerb paint marking for: b) Water connections (blue) MEDIUM PRESSURE PIPELINES	No	1		R 0.00

Item No.	Description	Unit	Qty	Rate	Price
	2333.4		,		
	Supply, handle, lay and bed (Class C bedding), joint as described in				
H.6.1	notes on drawing,test and disinfect pipes for:	m	57		B 0 00
H.7	40 mm diam SPECIALS AND FITTINGS	m	57		R 0.00
	Extra over 8.2.1 for supply, lay, handle, bed (Class C bedding), joint, including cut pipes to lengths where required, test and disinfect for				
	uPVC Class 12 pipes:				
H.7.1	Ductile iron Bends (socket ended) 40 mm diam x 90 °	No	1		R 0.00
	Ductile iron T-Piece				
H.7.2	200 x 40mm	No	1		R 0.00
H.7.3	Ductile iron End Caps 40 mm diam	No	1		R 0.00
	SCHEDULE I: SUBBASE COURSE and CONCRETE WEARING COURSE				
I1	Construct subbase course and compact to 95% of AASHTO				
	density with material from a commercial source, as indicated on the typical cross-sections of the road prism.				
I1.1	200 mm thick for roads (G5-material)	m3	174		R 0.00
I1.2 I1.3	100 mm thick for platform (G5-material) 75 mm thick for walkways (G5-material)	m3 m3	972 24		R 0.00 R 0.00
11.3	75 mm trick for warkways (G5-material)	IIIo	24		R 0.00
	SCHEDULE J : KERBING AND CHANNELLING				
J3	Precast concrete edging kerb (slotted) (E1 Type) on concrete bedding according to detail on walkways:				
J3.1	a) Radius to 20 m	m	5		R 0.00
J3.2	b) Radius greater than 20 m and straight	m	275		R 0.00
J4	Precast concrete barrier kerb (BK2 Type) on walkways:				
J4.1 J4.2	a) Radius to 20 m b) Radius greater than 20 m and straight	m m	5 262		R 0.00 R 0.00
J5	Precast concrete barrier kerb (MK10 Type) on platform on		202		17 0.00
J5.1	a) Radius to 20 m	m	57		R 0.00
J5.2 J6	b) Radius greater than 20 m and straight Precast concrete mountable channel kerb (CK5 Type) on	m	79		R 0.00
J6.1	a) Radius to 20 m	m	44		R 0.00
J6.2	b) Radius greater than 20 m and straight	m	104		R 0.00
	SCHEDULE K : CABLE DUCTS				
	EXCAVATIONS				
	Trench excavations in all materials, backfill, compact and removal of				
K1	i) 3 x 160mm duct Extra over 8.3.2(a) for excavations in:	m	15		R 0.00
K1.1	Hard rock material	m3	1		R 0.00
161.0	Excavation and dispose of unsuitable material from trench bottom	m3	1		R 0.00
K1.2 K1.3	Excavation by hand to expose existing services Excavation Ancillaries	m3	1		R 0.00
K1.4	Make up deficiency in backfillmaterial from:				
K2	a) commercial sources	m3	7		R 0.00
K2.1 K2.2	Compaction in road reserves (Road crossings only) Handling of ground water in trenches	m3	2		R 0.00
K3	b) Supply and place geotextile (refer PSDB 3.8)	m2	24		R 0.00
K3.1	Bedding (ducts)				
K3.2	Supply and compact bedding to 100% Mod.AASHTO-density with from commercial sources:				
	a) Bedding	m3	1		R 0.00
1/4.4	b) Blanket	m3	37		R 0.00
K4.1 K4.2	Cable markers Duct markers	No	6		R 0.00
	TOTAL SECTION 'B' CARRIED FORWARD TO SUMMARY				R 0.00
	SECTION C: POWER PLANT BILLS OF				
	QUANTITIES FOR FOUNDATIONS				
C1.	LABOUR ONLY (PLEASE TAKE NOTE WHERE STATED SUP	PLY AND INS	STALL)	l .	
-	,				
	Clear and grub				
C1.1	Clear and grub REMOVE coverd under civil Set out earth works	m²	0		R 0.00
C1.2	Setting Out Of Pegs	each	432		R 0.00
	Excavation:				
C1.3	Excavations soft	m³	3674		R 0.00
C1.4 D1.5	Excavations intermediate Excavations hard rock to be checked on site during construction	m³ m³	0		R 0.00 R 0.00
51.5	Supply and install Shoring	1011	1		11 0.00
C1.6	Shoring	m²	420		R 0.00
01-	Backfill and compact	*	00		P 0 00
C1.7 C1.8	Backfill and compact (Normal) Backfill and compact (Cable Trench)	m³ m³	86 46		R 0.00 R 0.00
31.0	Clearing of excess material to spoil	- 1111	40		11 0.00
C1.9	Clearing of excess material to spoil	m³	511		R 0.00
C1 40	Supply and Install Drainage (supply and install)		73		R 0.00
C1.10	PVC pipes 0-400mm Diameter	m	13	I	N. U.UU

Foundations Supply and Install	Item No.	Description	Unit	Qty	Rate	Price
C112 Supply and install Policy of an analysis of the Co. F. 0.00 F.						
Col. 14 Supply and install from the parts and seathers)				1		
C114 Sigopy and Finance conceived m² 579 R. 0.00				1		
C115 Stephy and Place according Fl. 0.00 Cabbs trench covercheckseptate(supply and Install) C116 Stephy and July cabbs territor over Storing yard (Supply and July cabbs territor over Storing yard (Supply and July cabbs territor) Fl. 0.00 Fl. 0						
C1-16		11.7				R 0.00
Soning rate (Supply and lay)		Cable trench cover/checkerplate(supply and install)				
C1.17 100mm thick Soning yand mistall R. 100mm thick Soning yand mistall R. 100mm thick Soning yand mistall R. 100mm thick Soning yand mistall R. 100mm thick Soning yand R. 100mm thick Soning yand yand yand yand yand yand yand yand	C1.16		each	1477		R 0.00
Install lectring (supply and install)	C1.17		m²	9180		R 0.00
Design Control Contr		Install kerbing (supply and install)				
	C1.18		m	578		R 0.00
C1.19		poles and all necessary material)				
Description						D 0 00
Drick laying (Supply and Lay)	C1.19					
C121	C1.20		each	1		R 0.00
C1.22						R 0.00
C1-129	C1.21		m²	66		10.00
C1-30	C4 20			2000		R 0.00
C1.31		,				
C1-32 Earthing of steel structures (per tail) each 246 R 0.00						R 0.00
C1.33 Firshing Foundation each 108 R 0.00		-		246		R 0.00
C1-33		Finishing:				
C2 LaBour ONLY	C1.33	Finishing Foundation	each	108		R 0.00
Layout Structures		ELECTRICAL EQUIPMENT				
Layout Structures - Lattice	C2	LABOUR ONLY				
C2.1 Assemble Structures Lattice ton 89.3 R 0.00		Layout of structures:				
C2.2 Assemble Structures - Lattice Inc. B9.3 R 0.00		 	ton	92.4		R 0.00
C2.3 Errect Structures ton 92.4 R 0.00						D 0 00
C2.3 Errect Structures	C2.2		ton	89.3		R 0.00
Install Insulating panel "fire wall" Sheet 18	C2.3		ton	92.4		R 0.00
C2.4	02.0					
C2.4 Erect 132/66/44 kV equipment:			shoot	18		R 0.00
C2.5 Erect 132/66/44 kV Current Transformer (CT)	C2.4		GIIGGE			11 0.00
C2.6						
C2.6 Errect 132/66/44 kV 9tost Insulator (PI) each 9 R.0.00						
C2.9 Erect 132/66/44 kV Breakers post type set 6	-					
Erect 132/66/44 kV Isolators						
C2.10 Erect 132/66/44 kV Hand operated device (HOD) each 15 R 0.00	C2.9		Set	0		11 0.00
Erect 33/22/11/6.6 kV equipment: C2.11 Erect 33/22/11/6.6 kV surge Arrester (SA) each 6 R 0.00 C2.12 Erect 33/22/11/6.6 kV NEC RT each 2 R 0.00 BUSBARS	C2 10		each	15		R 0.00
C2.12 Erect 33/22/11/6.6 kV NEC RT each 2 R 0.00	02.10					
BUSBARS C2.13 Install Busbar Strain Assembly each 186 R 0.00	C2.11	Erect 33/22/11/6.6 kV Surge Arrester (SA)	each	6		R 0.00
C2.13 Install Busbar Strain Assembly each 186 R 0.00 C2.14 Install Busbar Suspension Assembly each 186 R 0.00 C2.15 Terminate jumper to busbar Clamp/compress bolted each 495 R 0.00 C2.16 Terminate jumper to busbar Clamp/bolted clamps each 291 R 0.00 C2.17 Terminate j Imper to busbar Clamp/bolted clamps each 291 R 0.00 C2.18 Install spacers m 12 R 0.00 C2.18 Install spacers each 174 R 0.00 Stringing HV C2.19 Conductor Run Out & Hang - Single phm 4148 R 0.00 C2.21 Lay cables (>= 1000V) m 1480 R 0.00 C2.22 Terminate cable (>= 1000V) each 8 R 0.00 C2.23 Support cable (>= 1000V) each 8 R 0.00 Earthing each 79 R 0.00 Finishing Handing Over Documentation <t< td=""><td>C2.12</td><td>Erect 33/22/11/6.6 kV NEC RT</td><td>each</td><td>2</td><td></td><td>R 0.00</td></t<>	C2.12	Erect 33/22/11/6.6 kV NEC RT	each	2		R 0.00
C2.14 Install Busbar Suspension Assembly each 186 R 0.00						D 0 00
C2.15 Terminate jumper to busbar Clamp/compress bolted each 495 R 0.00						
C2.16 Terminate jumper to busbar Clamp/bolted clamps each 291 R 0.00		·				
C2.17 Terminate / Install tubular bar m 12 R 0.00				1		
Stringing HV						R 0.00
C2.19 Conductor Run Out & Hang - Single phm 4148 R 0.00	C2.18		each	174		R 0.00
C2.20		Stringing HV				
C2.21	C2.19	Conductor Run Out & Hang - Single	phm	4148		R 0.00
C2.21						
C2.22 Terminate cable (>= 1000V) including joints Core 24				1		
C2.23 Support cable (>= 1000V) each 8 R 0.00		, , ,				
Earthing				1		
Finishing: C2.25						
C2.25 Finishing Handing Over Documentation stru 367 R 0.00 C2.26 Finishing Torque nuts each 952 R 0.00 Commissioning Commissioning R 0.00 C2.27 Testing of Cable Circuits (Ring Out) MV cable each 4 R 0.00 POWER PLANT TOTAL SECTION 'C' CARRIED FORWARD TO SUMMARY D CONTROL PLANT R 0.00 D1.1 Transportation of Panels km R 0.00 D1.2 Install metering & protection panels each R 0.00	C2.24		each	79		R 0.00
C2.26 Finishing Torque nuts each 952 R 0.00	00.07		<u> </u>	***		P.0.00
Commissioning C2.27 Testing of Cable Circuits (Ring Out) MV cable each 4 R 0.00						
C2.27 Testing of Cable Circuits (Ring Out) MV cable each 4 R 0.00	02.20	•	Eduli	902		5.00
D CONTROL PLANT	C2.27		each	4		R 0.00
D CONTROL PLANT	-					
D CONTROL PLANT D1.1 Transportation of Panels km R 0.00 D1.2 Install metering & protection panels each R 0.00						R 0.00
D1.2 Install metering & protection panels each R 0.00	D					
D1.2 Install metering & protection panels each R 0.00						D 0 00
2 112 Indian motoring a protocolor parioto				1		
D1.3 Install modules in panels each R 0.00						R 0.00

Itom No.	Poporimien	Huit	044	Data	Duine
Item No.	Description	Unit	Qty	Rate	Price
D1.4	Earthing of panels	each			R 0.00 R 0.00
D1.5	Install Junction Boxes/AC Yard Box	each	20		R 0.00
D1.6 D1.7	Install yard lights Install warning signs	each each	20		R 0.00
D1.8	Labeling	each			R 0.00
D1.9	Lay cables (< 1000V)	m	18069		R 0.00
D1.10	Glanding of Cables (per gland) (< 1000V)	each	408		R 0.00
D1.11	Label & Loom Cable (< 1000V)	core	3746		R 0.00 R 0.00
D1.12	Terminate and support cable (< 1000V) i.e. each strand	each	180		K 0.00
	CONTROL PLANT TOTAL SECTION 'D' CARRIED FORWARD TO SUMMARY				R 0.00
E	DISMANTLING ACTIVITIES				
	Dismantle and dispose				
E1.1	Loosen/Slacking of conductor/earth	each	288.0		R 0.00
E1.2	Dismantle Fencing and gates	m	220.0		R 0.00
	Bringing down Structures				
E1.3	Bringing down steelwork	kg	42194		R 0.00
E1.4	Dis-assemble steelwork	kg	42194		R 0.00
E1.5	Remove steelwork - off site	kg	42194		R 0.00 R 0.00
E1.6	Demolish concrete	m³ m2	112 112		R 0.00
E1.7	Remove concrete - off site Disassemble Equipment and transport to Brackenfell	IIIZ	112		10.00
E1.8	Disassemble Equipment Disassemble Equipment	each	62		R 0.00
E1.9	Disassemble Breaker	each	7		R 0.00
E1.10	Disassemble Isolator	each	19		R 0.00
E1.11	Disassemble Indoor switchgear (to be clarified who will transport	each	12		R 0.00
E1.12	Disconnect relay panel and cable	each	29		R 0.00 R 0.00
E1.13	Remove relay panel and cable - off site CONTROL PLANT TOTAL SECTION 'E' CARRIED	each	29		
	FORWARD TO SUMMARY				R 0.00
вом					
F	POWER PLANT BILLS OF MATERIAL				
	STEELWORK (Supply)				
F.1	NECRT Support 1500mm High	kg	453 kg		R 0.00
F.2	132kV Circuit Breaker Support	kg	795 kg		R 0.00
F.3	66kV Circuit Breaker Support	kg	795 kg		R 0.00 R 0.00
F.4 F.5	132kV Isolator Support - MANUAL 66kV Isolator Support - MANUAL	kg kg	4385 kg 2627 kg		R 0.00
F.6	132kV Isolator Support + L/H Earth Switch - MANUAL	kg	462 kg		R 0.00
F.7	66kV Isolator Support - MANUAL	kg	2627 kg		R 0.00
F.8	66kV Isolator Support + L/H Earth Switch - MANUAL	kg	462 kg		R 0.00 R 0.00
F.9	66kV Surge Arrestor Bracket Mounted on Isolator Support	kg	163 kg		10.00
F.10	Ball joint, single earth assembly G/S	kg	90 kg		R 0.00
F.11	Medium Equipment Support Steelwork(2.5m)	kg	3000 kg		R 0.00
F.12	Medium Equipment Support Steelwork(3m)	kg	152 kg		R 0.00 R 0.00
F.13	Small/Medium Equipment Support Steelwork CAP 'M1' Adjustable Fixings 1000mm	kg	1368 kg		K 0.00
F.14	Small/Medium Equipment Support Steelwork CAP 'M2' 3PH Adjustable Fixings 1000mm	kg	116 kg		R 0.00
F.15	Control Cable Bracket	kg	480 kg		R 0.00
	MV Cable End Support 1,2,3 or 4 x 1C Cable/Phase Steelwork				R 0.00
F.16	Assembly Yard AC Distribution Board Steelwork	kg	578 kg		R 0.00
F.17		kg	137 kg		R 0.00
F.18	Steel Fire Barrier Support 6.5m high	kg	2218 kg		R 0.00
F.19	6.5m Stainless Steel Fire Barrier (Typical Layout - Module A)	kg	336 kg		R 0.00
F.20 F.21	6.5 Stainless Steel Fire Barrier (Typical Layout - Module B) Standard Lightning Mast For Substations (8m)	kg kg	38 kg 1080 kg		R 0.00
F.21 F.22	Standard Eightning Most For Substations (OIII)	ĸy	1000 Kg		R 0.00
F.23	132kV Yard Steelwork - BEAM 132/50/1	kg	8992 kg		R 0.00
F.24	132kV Yard Steelwork - BEAM 132/40/1	kg	10056 kg		R 0.00
F.25	132kV Yard Steelwork - COLUMN 132/C	kg	20315 kg		R 0.00
F.26	66kV Yard Steelwork - BEAM 66/50/1 66kV Yard Steelwork - BEAM 66/32/1	kg	6672 kg		R 0.00 R 0.00
F.27 F.28	66kV Yard Steelwork - BEAM 66/25/1	kg kg	7792 kg 774 kg		R 0.00
F.29	66kV Yard Steelwork - COLUMN 66/27/1	kg	13208 kg		R 0.00
	Earthwire Support W/O Spike (132kV) Exclude: EW11, EW15,	5			R 0.00
F.30 F.31	and 2 x EW16 Galvanised U Bolt M16 X 89 X 102mm	kg kg	1791 kg 317 kg		R 0.00
F.31	Salvanised O Bolt WITO A 68 A TUZININ	ку	317 Kg		10.00
	EARTHING				
F32	kg Round Copper Bar (10mm Ø)	'kg	2130		R 0.00
F33	kg Flat Copper Bar (3x50mm)	kg	5336		R 0.00
F34	Strip Galvanised Steel (6 x 80mm) *NOTE: Strap to be cut, bent and welded before it is taken for galvanising	No	20.00		R 0.00
	STRING ASSEMBLIES				

Item No.	Description	Unit	Qty	Rate	Price
F1.6	132kV Strain String Assembly - 1 x Centipede Conductor	each	12		R 0.00
F1.7	132kV Strain String Assembly - 1 x Certipede Conductor 132kV Strain String Assembly - 1 x Bull Conductor	each	78		R 0.00
F1.8	66kV Strain String Assembly - 1 x Bull Conductor (900mm Long I	each	30		R 0.00
F1.9	66kV Strain String Assembly - 2 x Bull Conductor (900mm Long)	each	66		R 0.00
F1.10	66kV Suspension String Assembly - 2 x Bull Conductor (900mm Long Rod)	each	24		R 0.00
F1.11	Earth Wire String Assembly	each	14		R 0.00
F1.12	Twin Earth Wire String Assembly	each	20		R 0.00
	CONDUCTOR				
F1.13	COND, AAC CENTIPEDE 26.46D UNGRS	m	351		R 0.00
F1.14	COND, AAC BULL 38.25D UNGRS	M	2887		R 0.00
F1.15	COND, AAC HORNET 16.25D INSU UNGRS	M	18		R 0.00
F1.16	Bull conductor	M	36		R 0.00
F1.17	COND, OAK 13.95D GRS	M	856		R 0.00
	Tubular busbar to be supplied				
	CLAMPS STRANDED CONDUCTOR CLAMPS				
	Bolted - Bolted				
F1.18	EX-A,Cross Clamp	each	3		R 0.00
F1.19	EX-B,Cross Clamp	each	9		R 0.00
F1.20	EX-C, Cross Clamp	each	3		R 0.00 R 0.00
F1.21 F1.22	KCP 26/127,fixed -1 x conductors EUT-E,T/Clamp	each each	3		R 0.00
F1.22	ES-B,Conductor Spacer	each	174		R 0.00
F1.24	EPC26,Peg Aluminium Centipede Clamp	each	21		R 0.00
F1.25	EPC38,Peg Aluminium Bull Clamp	each	54		R 0.00
	Bolted- compression				
F1.28	EVC A D/Comp		11		R 0.00
F1.28 F1.29	EXC-A-B/Comp EXC-L/Comp	each each	6		R 0.00
F1.30	EXC-B-B/Comp	each	12		R 0.00
F1.31	EXC-C-B/Comp	each	15		R 0.00
F1.32	EXC-D-B/Comp	each	3		R 0.00
F1.33	EXC-F-B/Comp	each	3		R 0.00
F1.34	ETC-C-T/Comp	each	18		R 0.00 R 0.00
F1.35 F1.36	ETC-J-T/Comp	each	18 252		R 0.00
F1.36	ETC-K-T/Comp EYC-B-Y/Comp	each each	15		R 0.00
F1.38	EYC-D-Y/Comp	each	6		R 0.00
F1.39	EYC-F-Y/Comp	each	3		R 0.00
F1.40	EYC-R-Y/Comp	each	17		R 0.00
F1.41	EYC-S-Y/Comp	each	16		R 0.00
F1.42	EPC-A-B/Comp 50x50	each	13 12		R 0.00 R 0.00
F1.43 F1.44	EPC-B-B/Comp 50x50 EPC-C-B/Comp 50x50	each each	9		R 0.00
F1.45	EPC-D-B/Comp 50x50	each	24		R 0.00
F1.46	EPC-E-B/Comp 50x50	each	21		R 0.00
F1.47	EPC-F-B/Comp 50x50	each	6		R 0.00
F1.48	EYC-T-Bolted palm 50 x 50 / 2 x cond compression	each	3		R 0.00
F1.49	Hornet Lug	each	6		R 0.00
	TUBULAR CONDUCTOR CLAMPS				
F1.50	Bolted -Bolted EET-TB-A-Clamp,Clamp Earthing Tube	each	3		R 0.00
F1.51	ECC-PI-S-B-Coupling Clamp PI Mounted slide	each	3		R 0.00
F1.52	ESC-PI-F-B Support Clamp:PI Mounted Fixed	each	3		R 0.00
	CABLES				
F1.53	11 KV single Core	M	1480		R 0.00
	Cable Termination kits				
F1.54	Term Kit 500 - 800mm²; Per phase [Single Core Cable]	each	4		R 0.00
F1.55	Term Kit 500 - 800mm²; Per phase [Single Core Cable]	each	4		R 0.00
	Miscellaneous on Cables				B 0 00
F1.56	Double Cable Clamp Polypropylene	each	24		R 0.00 R 0.00
F1.56 F1.57	Lug, Crimping Cu 630.0SQ x M16 XLPE D3102 Set Screw Galvanised M12 x 65mm	each each	24 48		R 0.00
		,			
	MISCELLANEOUS				
F1.58	Stainless Steel Bolt & Nut : M12 x 65mm with 1 x flat washers &	each	472.00		R 0.00
F1.59	M12 washer (each)	each	472.00		R 0.00
F1.60	Nut And Bolt - Galvinised: M16 x 45mm	each	72.00		R 0.00 R 0.00
F1.61	Stainless Steel Bolt & Nut : M16 x 40mm with 1 x flat washer & 1	each	256.00 4.00		R 0.00
F1.62	Galvanised Round Flat M16 with 18mm Dia hole (kg) Galvanised Taper M16 with 18mm Dia hole (kg)	kg kg	1.00		R 0.00
F 1.D.3		9			
F1.63 F1.64	Stainless Steel Bolt & Nut : M16 x 75mm	each	112.00		R 0.00

Item No.	Description	Unit	Qty	Rate	Price
F1.66	Self Fusing EPR Based Corona Resistant 18mm W x 0.76 Thk	each	12.00		R 0.00
	Ĭ				
	Signage				
F1.66	Red plate - Chromadek	each	72		R 0.00
F1.67	Blue plate - Chromadek	each	72		R 0.00
F1.68	White plate - Chromadek	each	72		R 0.00
F1.69	Mounting Bracket	each	216		R 0.00
F1.70	Cable warning PVC tape orange / black - 450wide,2049m	kg	44.00		R 0.00
	FLOODLIGHTS				
F1.71	Floodlight Lamp Holder incl fitting 400/250W HPS/MH	each	20		R 0.00
F1.72	230V Floodlight, Lamp High Pressure Sodium / 48000 Lumens	each	20		R 0.00
	POWER PLANT TOTAL SECTION 'F' CARRIED FORWARD TO SUMMARY				R 0.00
	CONTROL PLANT BOM				
G	LV CONTROL CABLES				
			0447		R 0.00
G1.1	Cable 1kV 19c 2.5mm² Cu BVX19DCV	M	3417		
G1.2	Cable 1kV 12c 2.5mm² Cu BVX12DCV	M	5545		R 0.00 R 0.00
G1.4	Cable 1kV 4c 4.0mm² Cu BVX4ECV	M	7747		R 0.00
G1.5	Cable 1kV 4c 16.0mm² Cu BVX4HCV	M	160		R 0.00
G1.8	Cable telephone 10pr 0.5mm dia (Unarmoured)	M	300		R 0.00
G1.10	CAT5E FTP (Shielded) Solid Core (4pair)	M	900		K 0.00
	CABLE GLANDS				
G1.11	Gland No 3 & Shroud	each	58.00		R 0.00
G1.12	Gland No 2 & Shroud	each	134.00		R 0.00
G1.13	Gland No 1 & Shroud	each	152.00		R 0.00
G1.14	Compression CABLE Gland No 1	each	64.00		R 0.00
	CONTROL PLANT TOTAL SECTION 'G' CARRIED FORWARD TO SUMMARY				R 0.00

Blackheath SS BOQ 01022022

Page 11