

public works & infrastructure

Department: Public Works and Infrastructure REPUBLIC OF SOUTHAFRICA

BID DOCUMENT

PROJECT DESCRIPTION: SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS

BID NO:

PT-23-018

Closing Date:

30 October 2023

Closing Time:

11:00 AM

Bid Briefing Meeting Date:

N/A

Bid Briefing Meeting time:

N/A

Tenderers	CSD	No:				
-----------	-----	-----	--	--	--	--

Name of the Tenderer:

Bid Box Address

Department of Public Works & Infrastructure(Pretoria region) AVN Gebou Building 251 Nana Sita Street Pretoria Central 0002

SCM SPECIFIC ENQUIRIES:

TECHNICAL / PROJECT SPECIFIC ENQUIRIES

Enquires: Sekwati Molepo

Enquires:

Sibusiso Thala

Tel No: **012 492 1467** during office hours Cell No: Click here to enter text.

Tel No:

N/A 060 868 1193

Cell No. Click here to enter text.

Cell No:

Email Address: Sibusiso.Thala@dpw.gov.za

Email Address: <u>Sekwati.Molepo@dpw.gov.za</u>



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SUMMARY OF BID INFORMATION

Bid Number	PT-23-018				
Bid/ Project Description	SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS				
Bid Closing date & Time	Monday, 30 October 2023	Closing Time: 11:00 AM			
Bid Briefing Date & Time (If applicable)	N/A	N/A			
Venue	N/A				
SCM SPECIFIC	Sekwati Molepo	Sekwati.Molepo@dpw.gov.za			
ENQUIRIES:	012 492 1467	N/A			
TECHNICAL / PROJECT	Sibusiso Thala	Sibusiso.Thala@dpw.gov.za			
SPECIFIC ENQUIRIES	N/A	060 868 1193			
Bid Validity Period	84 Calender days				
Bid Document Price	R 500.00				
Procurement Plan Reference Number	2104				



PA 32: INVITATION TO BID

PART A

YOU ARE HERE	BY INVITED TO BID F	OR REQUIREMENT	S OF TH					NT/PUE	BLIC E	NTITY)		
BID NUMBER:	PT-23-018	CLOSING DAT		2	Monday, 2023				ING T		11H00 AM	
DESCRIPTION		6 MONTHS										
THE SUCCESSF GS).	UL BIDDER WILL BE	REQUIRED TO FIL	L IN AN	VD S	IGN A	VRITTE	N CON	TRACT	FOR	M (DPW	4.1 GS or D	PW04.2
BID RESPONSE	DOCUMENTS MAY BE TREET ADDRESS)	DEPOSITED IN TH	E BID B	OX								
Department of	Public Works & In	frastructure(Preto	ria reg	ion)	AVN (Gebou	buildir	ng,				
251 Nana Sita	Street, Pretoria Ce	ntral 0002										
OR POSTED TO												
Department of	Public Works & In	frastructure(Preto	ria reg	ion)	AVN	Gebou	buildir	ng				
Private bag X	229 Pretoria 0001											
SUPPLIER INFO	RMATION											
NAME OF BIDDE	R										_	
POSTAL ADDRE	SS											
STREET ADDRE	SS											
TELEPHONE NU	MBER	CODE			NUMBER							
CELLPHONE NU	MBER											
FACSIMILE NUM	BER	CODE					NUMB	ER				
E-MAIL ADDRES	S											
VAT REGISTRAT	ION NUMBER											
		TCS PIN:				OR	CSD N	10:				
Signature of Bidde	er					Date						
SIGNED (Attached)	R WHICH THE BID IS proof of authority to sign on of Directors, etc.)											
TOTAL NUMBER O	F ITEMS OFFERED					TOTAL (ALL TAXES)	BID	PRICE USIVE	R			
DIDDING DDOCE	DUDE ENGLIDIES MA	V DE DIDECTED T	0.		TECHN	IIOAL IA	1EODIA	ATION	BEAVE	DE DIDE	ATER TO	
	DURE ENQUIRIES MA	PUBLIC WORK		&	TECHNICAL INFORMATION M.				BE DIKE(busiso T			
DEPARTMENT/ PUBLIC ENTITY		INFRASTRUCTURE			CONTACT PERSON							
CONTACT PERSON TELEPHONE NUMBER		Sekwati Molepo		+	TELEPHONE NUMBER FACSIMILE NUMBER				06	060 868 1193		
FACSIMILE NUM		012 492 1467		+	E-MAIL ADDRESS				Si	Sibusiso.Thala@dpw.gov.za		
E-MAIL ADDRESS		Sekwati.molepo@d	pw.gov.:	za	CELL NUMBER					060 868 1193		
		13-15-65-0										

BID NO: PT-23-018



PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR ONLINE
- 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES).
- 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION.

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

3.	QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS			
3.1.	IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO		
3.2.	DOES THE BIDDER HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO		
3.3.	DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO		
3.4.	DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO		
STA	IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.			

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID. AN ORIGINAL OR CERTIFIED COPY OF THE B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE.

Note Well:

- a) In respect of non VAT vendors the bidders may not increase the bid price under Section 67(1) of the Value Added Tax Act of 1991 where the relevant transaction would become subject to VAT by reason of the turnover threshold being exceeded and the bidder becomes liable for VAT.
- b) All delivery costs must be included in the bid price, for delivery at the prescribed destination.
- c) The price that appears on this form is the one that will be considered for acceptance as a firm and final offer.
- The grand total in the pricing schedule(s), inclusive of VAT, attached to the bid offer must correlate and be transferred to this form (PA32).
- e) Where there are inconsistencies between the grand total price offer in the pricing schedule(s) and the PA32 price offer, the price offer on the PA32 shall prevail and deemed to be firm and final. No further correspondence shall be entered into in this regard.



PA-04 (GS): NOTICE AND INVITATION TO BID

THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE INVITES BIDDERS FOR:

Project title:	SUPPLY AND DEL PERIOD OF 36 MONT		MATERIALS AND TOOLS FOR
Bid no:	PT-23-018	Procurement Plan Reference no:	2104
Advertising date:	Friday, 06 October 2023	Closing date:	Monday, 30 October 2023
Closing time:	11:00 AM	Validity period:	84 Calender days

1. FUNCTIONALITY CRITERIA APPLICABLE

1.1. The Bid will not be evaluated on Functionality

Functionality criteria¹:	Weighting factor:
TOTAL	N/A
Veights for functionality must add up to 100. Weightings will be multiplied by the scores allo rive at the total functionality points)	cated during the evaluation process to
Minimum functionality score to qualify for further evaluation:	N/A
otal minimum qualifying score for functionality is 50 Percent, any deviation below or above	the 50 Percent, provide motivation bel

2.1 The 80/20 Preference points scoring system will be applicable for this bid

¹The points allocated to each functionality criterion should not be generic but should be determined separately for each tender on a case by case basis.



3. RESPONSIVENESS CRITERIA

3.1. Indicate substantive responsiveness criteria applicable for this tender. Failure to comply with the criteria stated hereunder <u>shall</u> result in the tender offer being disqualified from further consideration:

1	\boxtimes	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders.
2		Tender offer must be properly received on the tender closing date and time specified on the invitation, fully completed either electronically (if issued in electronic format), or by writing legibly in non-erasable ink. (All as per Standard Conditions of Tender).
3		All parts of tender documents submitted must be fully completed in ink and signed where required
4		Use of correction fluid is prohibited.
5		Submission of PA-32: Invitation to Bid
6		Submission of record of attending compulsory briefing session. insert motivation why the tender clarification meeting is declared compulsory
7		Registration on National Treasury's Central Supplier Database.
8	\boxtimes	Submission of DPW-07 (FM) (Form of offer and Acceptance)
9		Bidders to submit with the bid appointment letters and Completion Certificates of two (2) completed projects of similar scope of work for at least 12 months period completed with the minimum value of R4 Million per project on company letter head with traceable contact details.
10		Submission of DPW-09: Particulars of Tenderer's Projects.
11	\boxtimes	The tenderer shall submit his fully priced bills of quantities / lamp sum documents (complete document inclusive of all parts) together with his tender.
12		The tenderer shall submit his fully priced and completed sectional summary and final summary pages with the tender.

3.2. Indicate administrative requirements applicable for this tender. Tenderers may be required to submit the below documents where applicable.

The Employer reserves the right to request further information regarding the undermentioned criteria. Failing to submit further clarification and/or documentation within seven (7) calendar days from request or as specifically indicated, will disqualify the tender offer from further consideration.

1		Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's.
2		Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
3	\boxtimes	Submission of (PA-11): Bidder's disclosure.
4	\boxtimes	Submission of (PA 40): Declaration of Designated Groups for Preferential Procurement.
5		Submission of proof of Registration on National Treasury's Central Supplier Database (CSD) or insert the Supplier Registration Number on the form of offer
6		Upon request, submission of a fully completed security clearance application form with supporting documentation and information as required. The security clearance form will be provided by the Employer for projects requiring a security clearance.
7	\boxtimes	In case of a joint venture, Bidders to submit with the bid separate (PA-11) Bidder's Disclosure
8		Submission of (PA-09): List of returnable documents.
9	\boxtimes	Submission of (PA-29) Certification on Independent Bid Determination.
10		Specify other responsiveness criteria



3.3. Indicate administrative requirements applicable for this tender. Tenderers may be required to submit the below documents where applicable.

The Employer reserves the right to request further information regarding the undermentioned criteria. Failing to submit further clarification and/or documentation within seven (7) calendar days from request or as specifically indicated, will disqualify the tender offer from further consideration.

-		
1.		Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's.
2.		Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
3.		Submission of (PA-11): Bidder's disclosure
4.	\boxtimes	Submission of proof of Registration on National Treasury's Central Supplier Database (CSD).
5.		All parts of tender documents submitted must be fully completed in ink and signed where required.
6.		Upon request, submission of fingerprints obtainable from local SAPS including any other additional documentation and information required for vetting purposes.
7.		Upon request, submission of a fully completed security clearance application form with supporting documentation and information as required. The security clearance form will be provided by the Employer for projects requiring a security clearance.
8.		Submission of (PA 40): Declaration of Designated Groups for Preferential Procurement
9.		Bidders will be evaluated as per special conditions of bid (SCB-1)
10.		Submission of DPW-09 (EC): Paticular of Tenderer's Projects: Bidders may use 'own form' - the details of all the tenderers current and previous projects must however be similar to the DPW-09 (EC) forms details. Bidders are required to sign and date the DPW09 / 'own form' and cross-reference the documents if 'own form' is used.
11.		Submision of DPW-21 (EC): Record of addenda to tender documents: Bidder maybe requested to confirm receipt and or compliance with the "Record of Addenda" if the record of Addenda" was not submitted with the bid at the closing date.
12.	\boxtimes	Submission of (PA-29) Certification on Independent Bid Determination.
13.		Submission of (PA-09): List of returnable documents.
14.		In case of a joint venture, Bidders to submit with the bid separate (PA-11) Bidder's Disclosure

3.4. Indicate administrative requirements applicable for specific goals, Tenderers will not be required to submit the below document if not provided in the original tender proposals, Failure to comply with the criteria stated hereunder shall result in the tenderer not allocated points for specific goals.

1	Submission of (PA-16): Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022
2	A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Certificate issued by a SANAS accredited service provider



4. METHOD TO BE USED TO CALCULATE POINTS FOR SPECIFIC GOALS

4.1. For procurement transaction with rand value greater than R1 Million and up to R50 Million (Inclusive of all applicable taxes) the specific goals listed below are applicable.

Serial No	Specific Goals	Preference Points allocated out of 20	Documentation to be submitted by bidders to validate their claim for points
1.	An EME or QSE or any entity which is at least 51% owned by black people	10	 SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
2.	Located in a specific Local Municipality or District Municipality or Metro or Province area for work to be done or services to be rendered in that area	2	 Official Municipal Rates Statement which is in the name of the bidder. Or Any Account or statement which is in the name of the Bidder. Or Permission To Occupy from local chief in case of rural areas (PTO) which is in the name of the bidder. Or Lease Agreement which is in the name of the bidder.
3.	An EME or QSE or any entity which is at least 51% owned by black women	4	SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
4.	An EME or QSE or any entity which is at least 51% owned by black people with disability	2	 SANAS Accredited BBBEE Certificate or sworn affidavit where applicable. and Medical Certificate indicating that the disability is permanent or South African Social Security Agency (SASSA) registration indicating that the disability is permanent Or National Council for Persons with Physical Disability in South Africa registration (NCPPDSA)
5.	An EME or QSE or any entity which is at least 51% owned by black youth	2	ID Copy and SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.

5. BID EVALUATION METHOD

This bid will be evaluated according to the preferential procurement model in the PPPFA and the 80/20 preference point scoring system will be applicable

6. COLLECTION OF TENDER DOCUMENTS

- ☑ Bid documents are available for free download on e-Tender portal www.etenders.gov.za
- Alternatively; Bid documents may be collected during working hours at the following address NDPWI.

A non-refundable bid deposit of R 500.00 is payable (cash only) on collection of the bid documents.



7. SITE INSPECTION MEETING Details of Bid Briefing meeting (if any)

There will be no bid briefing meeting.

Venue:	N/A		
Virtual meeting link:	N/A		
Date:	N/A	Starting time:	N/A

8. ENQUIRIES

8.1 Technical enquiries may be addressed to:

DPWI Project Manager	Sibusiso Thala	Telephone no:	Indicate
Cellular phone no	060 868 1193	Fax no:	None
E-mail	Sibusiso.Thala@dpw.gov.	za	

8.1 SCM enquiries may be addressed to:

SCM Official	Sekwati Molepo	Telephone no:	Indicate
Cellular phone no	012 492 1467	Fax no:	None
E-mail	Sekwati.Molepo@dpw.gov.z	<u>za</u>	

9. DEPOSIT / RETURN OF TENDER DOCUMENTS

Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

All tenders must be completed in non-erasable ink and submitted on the official forms – (forms not to be re-typed).

Closing Date: Monday, 30 October 2023

Closing Time: 11:00 AM

Tender documents may be posted to:		Deposited in the tender box at:
The Director-General		
Department of Public Works and Infrastructure		The Bid Box
Private Bag X 229	OR	Department of Public Works & Infrastructure
Pretoria	OK	251 Nana Sita
0001		AVN Building
Documents must be deposited in The Bid Box		Pretoria
before the closing date of the bid		Ground Floor Reception

DPW-07 (FM): Form of Offer and Acceptance



DPW-07 (FM): FORM OF OFFER AND ACCEPTANCE

Tender no: PT23-018

Rand (in words):

OFFER

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS

The Tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the Tenderer offers to perform all of the obligations and responsibilities of the Service Provider under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX (All applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies) IS:

Rand in figures:	R		
			(*)
The award of the tender may be for acceptance as a firm and fir	subjected to price negotiation with	the pre	ferred tender(s). The negotiated and agreed price will be considered
This offer may be accepted returning one copy of this	d by the Employer by signin document to the Tenderer b	efore	acceptance part of this form of offer and acceptance and the end of the period of validity stated in the tender data. Service Provider in the conditions of contract identified in
THIS OFFER IS MADE BY	THE FOLLOWING LEGAL	ENTI	TY: (cross out block which is not applicable)
Company or Close Corporati	ion:		Natural Person or Partnership:
And: Whose Registration Nu	mber is:		Whose Identity Number(s) is/are:
		OR	
And: Whose Income Tax Ref	ference Number is:	OR	Whose Income Tax Reference Number is/are:
CSD supplier number:			CSD supplier number:
	AND WHO	O IS (if	applicable):
Trading under the name and	- 252		
	AN	ID WH	O IS:
Represented herein, and who	o is duly authorised to do so, by	<i>/</i> :	Note:
Mr/Mrs/Ms:			A Resolution / Power of Attorney, signed by all the Directors / Member / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.
In his/her capacity as:			Oner, auditorising the Representative to make this other.

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

Page 1 of 4

For Internal & External Use

Effective date April 2017

Version: 1.4

DPW-07 (FM): Form of Offer and Acceptance



SIGNED FOR THE TENDERER:		
Name of representative	Signature	Date
Tender no: PT23-018	Oignaturo	Date
WITNESSED BY:		
N. C. II		
Name of witness	Signature	Date
This Offer is in respect of: (Please indicate with	n an "X" in the appropriate block)	<u> </u>
The official documents	1 `	.B.: Separate Offer and Acceptance forms
The official alternative Own alternative (only if documentation makes	0.5	e to be completed for the main and for sch alternative offer)
compared to the contract of th		
SECURITY OFFERED:		
The Service Provider will provide one of the following	ng forms of security:	
(1) Cash deposit of 2.5% of the Contract Sum	(excl. VAT)	Yes ☐ No ☐
(2) Variable guarantee of 2.5% of the Contract	Sum (excl. VAT) (DPW-10.5: FM)	Yes ☐ No ☐
(3) Retention of 2.5% of the Contract Sum (ex	ccl. VAT)	Yes ☐ No ☐
(4) 1.25% cash deposit and 1.25% retention of	f the Contract Sum (excl. VAT)	Yes ☐ No ☐
NB. Guarantees submitted must be issued by eithe Act, 1998 (Act 35 of 1998) or by a bank duly registe to above. No alterations or amendments of the word	ered in terms of the Banks Act, 1990	(Act 94 of 1990) on the pro-forma referred
The Tenderer elects as its domicilium citandi notices may be served, às (physical address):	et executandi in the Republic o	f South Africa, where any and all legal
Other Contact Details of the Tenderer are:		
Telephone No	Cellular Phone No	
Fax No		
Postal address		
Banker	Brand	h
Bank Account No	Branc	h Code
Registration No of Tenderer at Department of L	abour	
ACCEPTANCE		

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderer's offer. In consideration thereof, the Employer shall pay the Service Provider the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Tenderer's offer shall form an agreement between the Employer and the Tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.



Tender no: PT23-018

The terms of the contract, are contained in:

Part 1 Agreements and contract data, (which includes this agreement)

Part 2 Pricing data
Part 3 Scope of work.

For the Employer:

Part 4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to-door delivery to the tenderer, provided that the Employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now Service Provider) within seven working days of the date of such submission notifies the Employer in writing of any reason why he cannot accept the contents of the schedule of deviation to this agreement if applicable), this agreement shall constitute a binding contract between the parties.

Name of sign	atory	Signature	Date
Name of Organisation:	Department of P	Public Works	
Address of Organisation:			
WITNESSED BY:			
Name of witr	ness	Signature	Date



Tender no: PT23-018
Schedule of Deviations

1.1.1. Subject:
Detail:
1.1.2. Subject:
Detail:
1.1.3. Subject:
Detail:
1.1.4. Subject:
Detail:
1.1.5. Subject:
Detail:
1.1.6. Subject:
Detail:

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

Number of

Returnable



Bid Document Name:

PA-09 (GS): LIST OF RETURNABLE DOCUMENTS

Project title:	SUPPLY AND DELIVERY PERIOD OF 36 MONTHS		RIALS AND TOOLS FOR
Project Leader:	Sibusiso Thala	Bid / Quote no:	PT23-018

THE BIDDER MUST COMPLETE THE FOLLOWING RETUNABLE DOCUMENTS: (Bidders may use the "Returnable document" column to confirm documents have been completed and returned by inserting a tick)

Bid Document Name.		Pages:	document:
DPW-07 FM		Pages	
PA-04		Pages	
PA-09 is it fully completed with all the	e forms listed	Pages	
DPW-09 particulars of tenderer's pro	jects	Pages	
PA-10		Pages	
PA-15.1		Pages	
PA-15.2		Pages	
PA-15.3		Pages	
PA-11		Pages	
PA-16		Pages	
PA-29		Pages	
PA-40		Pages	
BILL OF QUANTITY		Pages	
PA-32		Pages	
Name of Bidder	Signature		Date

BID NO: PT-23-018



FUNCTIONALITY EVALUATION CRITERIA

N/A





TERMS OF REFERENCE/ SPECIFICATIONS

Bid no: PT-23-018

Bid/ Project Description: SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS

Paste Specifications or Terms of Reference here



PRICING SCHEDULE

Bid no: PT-23-018

Bid/ Project Description: SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS

Paste Pricing Schedule here



DEPARTMENT OF PUBLIC WORKS REPUBLIC OF SOUTH AFRICA Electrical Material

	TRICATE LANGUAGE								
8	TIEM DESCRIPTION	Oty per	- Pit	1st	Unit	2nd	Unit	3rd	Grand
		12 Mo		12 Months	Price	12 Months	Price	12 Months	Total
	DISTRIBUTION BOARD								
	Ready Board (63A D/pole earth leakage)	-							
	Pre - assembled distribution boards 12 Way surface type								
	Pre - assembled distribution boards 12 Way flush type								
	Distribution Board Flush 12 module								
	Distribution Board Flush 24 module	1							
	Distribution Board Flush 36 module								
	Distribution Board Wall Mounted 12 module	,							
	Distribution Board Wall Mounted 24 module								
	Distribution Board Wall Mounted 36 module	H							
L	Distribution Board Wall Mounted 48 module	-							
	Earth Bar 7 X 9	-							
	Earth Bar 8 X 12	1							
	Earth Bar mounting kit	1							
	Neutral Bar 7 X 9								
	Neutral Bar 8 X 12	-							
	Neutral Bar 12 X 12	-							
	Neutral Bar mounting kit	T							
	Clip on Neutral Bar	1							
	Mini Rail	1							
	Distribution board Blanks 1 – way white	1							
	Distribution board Blanks 1 – way black	T							
	Distribution board Blanks 2 – way white	1							
	Distribution board Blanks 2 – way black	1							
		Total R	8		R.	R	~	R	
	Page 1				3 ye	3 year periot Total	otal	~	
				le.					

	C			
	ous a Copper Latin	1		
- [Samite Clips			
	DB Board Labels Warning			
	DB Board Labels ELU			
	DB Board Labels Main switch	1 -		
	DB Board Labels Plug			
	DB Board Labels Stove	1		
	DB Board Labels Geyser	1 4		
	DB Board Labels Geyser isolator	1		
	DB Board Labels Lights	-		
	DB Board Labels Bell			
	DB Board Labels Pool Pump			
	DB Board Labels Swimming Pool			
	DB Board Labels Auxiliary	1		
	DB Board Labels Distribution board No:			
	DB Board Labels Contactor No:			
	DB Board Labels Sub Dist. Board			
	DB Board Labels Welding Plug No:	4 -		
	DB Board Labels Machine No:	1 -		
	DB Board Labels Kiosk No:	+ +		
	DB Board Labels Time Switch	11 -		
	DB Board Labels U.P.S.			
	DB Board Labels Tennis Court			
	DB Board Labels Spare	1 1		
	DB Board Labels Fire Pump			
	DB Board Labels Computer			
	DB Board Labels Air conditioner			
	DB Board Labels Fan			
	DB Board Labels Pump	1		
	DB Board Labels Jacuzzi			
	DB Board Labels Shaver Plug	1		
	DB Board Labels Gate Motor	1		
	DB Board Labels Out Building	T T		
	DB Board Labels DB1	1		
	DB Board Labels DB2	1		
		Total R R R	R	CX.
	Page 2	3 year periot Total		

	CIRCUIT BREAKERS / ISOLATORS		-	-					
	Circuit Breakers 10A SP&N 3kA MCB	-		-					
	Circuit Breakers 15A SP&N 3kA MCB	-		-					
	Circuit Breakers 20A SP&N 3kA MCB	-		-					
L	Circuit Breakers 25A SP&N 3kA MCB	-	-						1
	Circuit Breakers 30A SP&N 3kA MCB								Т
	Circuit Breakers 35A SP&N 3kA MCB	F	_						Т
	Circuit Breakers 40A SP&N 3kA MCB		_						Т
	Circuit Breakers 45A SP&N 3kA MCB	-							1
	Circuit Breakers 50A SP&N 3kA MCB	1 +-							
	Circuit Breakers 63A SP&N 3kA MCB								
	Single Pole Isolators 25A 3kA MCB								1
	Single Pole Isolators 40A 3kA MCB	-							\neg
	Single Pole Isolators 63A 3kA MCB	-		-					7
	Double Pole Isolators 25A 3KA MCB								Т
	Double Pole Isolators 40A 3kA MCB			-					T
	Double Pole Isolators 63A 3kA MCB	-							Т
	Triple Pole Isolators 25A 3kA MCB	-							Т
	Triple Pole Isolators 40A 3kA MCB	-							T
	Triple Pole Isolators 63A 3kA MCB	-							Т
	Four Pole Isolators 25A 3kA MCB	-							T
Ш	Four Pole Isolators 40A 3kA MCB	-		-					\top
	Four Pole Isolators 63A 3KA MCB	-							\neg
L	25A Earth Leakage Unit 2pole (isolator type)	-							\neg
	40A Earth Leakage Unit 2pole (isolator type)	-							\top
	63A Earth Leakage Unit 2pole (isolator type)	l =-							T
	25A Earth Leakage Unit 4pole (isolator type)	H							Т
	40A Earth Leakage Unit 4pole (isolator type)	1							Т
	63A Earth Leakage Unit 4pole (isolator type)								T
	25A Earth Leakage Unit 2pole (overload type)	1							T
	32A Earth Leakage Unit 2pole (overload type)	1							T
	63A Earth Leakage Unit 2pole (overload type)	1							Т
	25A Earth Leakage Unit 4pole (overload type)	1							T
	40A Earth Leakage Unit 4pole (overload type)	1							T
	63A Earth Leakage Unit 4pole (overload type)	П							T-
	Circuit Breakers 1A single phase 3k4 MCB	П							T-
		1 R	×	~	~	~	~	2	
	1			3.8	vear periot Tota	otal	~		_
						200			П

Circuit Breakers 2A single phase 3kA MCB

L								
_	Circuit breakers 5A single phase 3kA MCB	=						
_	Circuit Breakers 10A single phase 3kA MCB	T						
	Circuit Breakers 15A single phase 3kA MCB	1						
	Circuit Breakers 2.0A single phase 3kA MCB	-						
	Circuit Breakers 25A single phase 3kA MCB	-						
	Circuit Breakers 30A single phase 3kA MCB	-	-					
	Circuit Breakers 35A single phase 3kA MCB	-						
	Circuit Breakers 40A single phase 3kA MCB							
	Circuit Breakers 45A single phase 3kA MCB	-						
	Circuit Breakers 50A single phase 3kA MCB	{ 4						
	Circuit Breakers 63A single phase 3kA MCB	-						
	Circuit Breakers 80A single phase 3k4 MCB							
	Circuit Breakers 1A single phase 5kA MCB							
	Circuit Breakers 2A single phase 5kA MCB	-						
	Circuit Breakers 5A single phase 5kA MCB	1 +-	-					
	Circuit Breakers 10A single phase 5kA MCB	-						
	Circuit Breakers 15A single phase 5kA MCB	1						
	Circuit Breakers 20A single phase 5kA MCB	i						
	Circuit Breakers 25A single phase 5kA MCB	1 -						
	Circuit Breakers 30A single phase 5kA MCB	4 +						
	Circuit Breakers 35A single phase 5kA MCB	-						
	Circuit Breakers 40A single phase 5kA MCB	-						
	Circuit Breakers 45A single phase 5kA MCB							
	Circuit Breakers 50A single phase 5kA MCB	-						
	Circuit Breakers 63A single phase 5kA MCB	4 -						
	Circuit Breakers 80A single phase 5kA MCB							
	Circuit Breakers 10A three phase 3kA MCB							
	Circuit Breakers 15A three phase 3kA MCB							
	Circuit Breakers 20A three phase 3KA MCB							
	Circuit Breakers 25A three phase 3kA MCB	1						
	Circuit Breakers 30A three phase 3kA MCB	1						
	Circuit Breakers 35A three phase 3KA MCB	1						
	Circuit Breakers 40A Three phase 3kA MCB	1						
_	Circuit Breakers 45A Three phase 3kA MCB	1						
	Circuit Breakers 50A Three phase 3kA MCB	1						
		1 R	~	~	~	~	2	8
	1 6			3 y	year periot Total	otal		
	•							
	Circuit Brankows 62A Thura abases 21d MCD							
	Circuit breakers 02A TITIEF pildse 3KA MCB	+1						
	Circuit Breakers 80A Three phase 3kA MCB	1						

Circuit Breekers 10A Horse places 5AA MCB Circuit Breekers 20A Loughe Place 5AA MCB Circuit Breekers 20A	Circuit Breakers 5A three phase 5KA MCB	-			-				
1	Circuit Breakers 10A three phase 5kA MCB			+		-	+		Т
1	Circuit Breakers 15A three phase 5kA MCB	1-			1	+	+		T
CG C	Circuit Breakers 20A three phase 5kA MCB	-		1	+	+			Т
1	Circuit Breakers 25A three phase 5kA MCB	-	<u> </u>		-	+			Т
1	Circuit Breakers 30A three phase 5kA MCB	-		-		-	+		T
1	Circuit Breakers 35A three phase 5kA MCB	1 +-1		1	1		-		T
1	Circuit Breakers 40A Three phase 5kA MCB			<u> </u>	1				I
1	Circuit Breakers 45A Three phase 5kA MCB	-							T
1	Circuit Breakers 50A Three phase 5kA MCB								Т
CB	Circuit Breakers 63A Three phase 5kA MCB	1 -		-			-		T
1	Circuit Breakers 80A Three phase 5kA MCB								T
1	Circuit Breakers 10A Double Pole 3kA MCB	-					-		T
CB	Circuit Breakers 15A Double Pole 3k4 MCB					+			Т
CB	Circuit Breakers 20A Double Pole 3k4 MCB						-		T
1	Circuit Breakers 25A Double Pole 3kA MCB				-				Т
1	Circuit Breakers 30A Double Pole 3kA MCB	-				+			T
CB 1 6 6 7 7 8 CB 1 1 1 1 1 CB 1 1 1 1 1 1 CB 1 1 1 1 1 1 CB 1 1 1 1 1 1 1 CB 1	Circuit Breakers 35A Double Pole 3k4 MCB	-				+	-		1
1 1 <td>Circuit Breakers 40A Double Pole 3kA MCB</td> <td>1-1</td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td>Τ</td>	Circuit Breakers 40A Double Pole 3kA MCB	1-1				-	-		Τ
1 1 <td>Circuit Breakers 45A Double Pole 3k4 MCB</td> <td>ı</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>Т</td>	Circuit Breakers 45A Double Pole 3k4 MCB	ı				-			Т
CB 1 </td <td>Circuit Breakers 50A Double Pole 3kA MCB</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>T</td>	Circuit Breakers 50A Double Pole 3kA MCB	1					-		T
1	Circuit Breakers 63A Double Pole 3kA MCB	-1					-		Т
1	Circuit Breakers 80A Double Pole 3kA MCB	+				-	+		
1	Circuit Breakers 10A Four Pole 3kA MCB	1					-		T
1	Circuit Breakers 15A Four Pole 3kA MCB	н							T
1 1 <td>Circuit Breakers 20A Four Pole 3kA MCB</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Τ</td>	Circuit Breakers 20A Four Pole 3kA MCB	1							Τ
1	Circuit Breakers 25A Four Pole 3kA MCB								Τ
1	Circuit Breakers 30A Four Pole 3KA MCB	-							Т
1	Circuit Breakers 35A Four Pole 3kA MCB	-			<u> </u>				Τ
1	Circuit Breakers 40A Four Pole 3kA MCB	1							Т
1 2 2 2 2 2	Circuit Breakers 45A Four Pole 3kA MCB	1							Т
1 1 1 R	Circuit Breakers 50A Four Pole 3kA MCB	1			-				Т
1	Circuit Breakers 63A Four Pole 3kA MCB	1							T
Total R R R R R R R R R R	Circuit Breakers 80A Four Pole 3kA MCB	1							T
3 year periot Total R		-	~	~	æ	œ	œ	œ	Т
	Page 5					of Total	2		Т

PVC CONDUIT & ACCESSORIES	
PVC Conduit 20mm2	
oVC Conduit 25mm2	

I R R R R R R R R R R R R R R R R R R R	PVC Conduit 32mm2			
	PVC Conduit 40mm2	41 +		
1	PVC Conduit 50mm2			
1	PVC Couplings 20mm2	-		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PVC Couplings 25mm2	-1		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PVC Couplings 32mm2			
1	PVC Couplings 40mm2	1		
1	PVC Couplings 50mm2			
1 1	PVC Adaptors 20mm2 Male			
1	PVC Adaptors 25mm2 Male			
1	PVC Adaptors 32mm2 Male			
	PVC Adaptors 40mm2 Male			
	PVC Adaptors 50mm2 Male			
. 1	PVC Adaptors 20mm2 Female			
	PVC Adaptors 25mm2 Female			
1	PVC Adaptors 32mm2 Female	,		
1	PVC Bend 900 20mm2			
1	PVC Bend 900 25mm2	1		
	PVC Bend 900 32mm2	,		
	PVC Bend 900 40mm2			
	PVC Bend 900 50mm2			
. 1	PVC Bend 900 20mm2 short	: +		
. 1	PVC Bend 900 25mm2 short			
1	PVC inspection T's 20mm2			
1	PVC inspection elbows 20mm2			
1	PVC inspection elbows 25mm2	1		
1	PVC inspection bends 20mm2	-		
1	PVC inspection bends 25mm2	1		
1	PVC Dome Lid Cover 20mm2	1		
1	PVC elbows 20mm2	1		
1	PVC elbows 25mm2	1		
1 1 R A	PVC side & back loop in Box 20mm2	1		
Total R R R R R R R R R	PVC back only loop in Box 20mm2	П		
3 year periot Total			R	2
	Page 6		3 year periot To	

	PVC 1way back entry loop in Box 20mm2	1		
	PVC 2way back entry loop in Box 20mm2	-		
	PVC 3way back entry loop in Box 20mm2	-		
L	DAY Access by the first from the Day of the Common of the	1		
	FVC +way back entry loop in box 20mmz	1		

																															,		
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Bosal Round Boxes 25 mm2	
Bosal Male Thread Adaptor 25 mm2	
Bosal Female Thread Adaptor 25 mm2	
Bosal Couplings 25 mm2	
Bosal Female Dome Steel Lid	1

ses 20 mm2 ses 20 mm2 xes 20 mm2 ses 20 mm2 xes 20 mm2 ses 25 mm2 ces 25 mm2 ses 25 mm2 xes 25 mm2 s	Rocal Overlanning Lid			
Time		1		
1	bosal Iway Kound Boxes 20 mm2	1		
1 1 2 2 2 2 2 2 2 2	Bosal 2way Round Boxes 20 mm2	1		
1	Bosal 3way Round Boxes 20 mm2			
1	Bosal 4way Round Boxes 20 mm2	-		
The control of the	Bosal Angle conduit Boxes 20 mm2	-		
1	Bosal Round Box Lid 20 mm2	-		
1	Rubber Seal	ş-I		
inm2 inm2 inm2 inm2 inm2 inm2 2 2 5 5 mm2 1 1 1 1 1 1 meters 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bosal 1way Round Boxes 25 mm2	,		
inm2 inm2 inm2 5 mm2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bosal 2way Round Boxes 25 mm2			
1	Bosal 3way Round Boxes 25 mm2			
5 mm2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bosal 4way Round Boxes 25 mm2			
2.	Bosal Angle conduit Boxes 25 mm2			
1	Bosal Round Box Lid 25 mm2			
1	Threaded rods 6mm	1		
1	Threaded rods 8mm			
meters 1	Threaded rods 10mm			
1	Threaded rods 12mm			
meters 1 6 <td< td=""><td>Open Channel 41 X 21</td><td></td><td></td><td></td></td<>	Open Channel 41 X 21			
meters 1 6 6 7 7 8 <td>Open Channel 41 X 41</td> <td>1</td> <td></td> <td></td>	Open Channel 41 X 41	1		
meters 1 6 7 7 8 9 <td>Slotted Channel 41 X 21</td> <td></td> <td></td> <td></td>	Slotted Channel 41 X 21			
meters 1 1 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 9 <td>Slotted Channel 41 X 41</td> <td>11</td> <td></td> <td></td>	Slotted Channel 41 X 41	11		
meters 1 1 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9 <td>M8 X 25mm Bolt</td> <td>1</td> <td></td> <td></td>	M8 X 25mm Bolt	1		
meters 1 1 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9 <td>M8 Spring Nuts</td> <td>1</td> <td></td> <td></td>	M8 Spring Nuts	1		
1 1 <td>WIRE AND CABLING 100 meters</td> <td>1</td> <td></td> <td></td>	WIRE AND CABLING 100 meters	1		
1	Cabtyre 1.0 mm2 2core + E	T		
1 1 1 1 1 1 1 1 1 1 1 1 Page 8 3 vear periot Total	Cabtyre 1.0 mm2 3core + E	rel		
1 1 1 1 1 1 1 R R R Page 8 3 vear periot Total	Cabtyre 1.5 mm2 2core + E	1,		
1 1 1 R	Cabtyre 1.5 mm2 3core + E			
1	Cabtyre 1.5 mm2 4core + E	1		
Total R R R R R R R R R R R R	Cabtyre 1.5 mm2 6core + E	1		
3 year periot Total R		-	~	~
	Page 8			

Cabtyre 2.5 mm2 3core + E 1 A Cabtyre 2.5 mm2 4core + E 1 A Cabtyre 2.5 mm2 6core + E 1 A Silicone cabtyre 1.5 mm2 2core + E 1 A Silicone cabtyre 1.5 mm2 3core + E 1 A	Cabtyre 2.5 mm2 2core + E	,
Cabtyre 2.5 mm2 4core + E 1 Acation and the core of the captyre 1.5 mm2 2core + E 1 Acation and the captyre 1.5 mm2 2core + E 1 Acation and the captyre 1.5 mm2 3core + E Acation and the captyre 1.5 mm2 3core + E Acation and the captyre 1.5 mm2 3core + E Acation and the captyre 1.5 mm2 3core + E Acation and the captyre 1.5 mm2 3core + E Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3core + E 1 1 1 Acation and the captyre 1.5 mm2 3co	Cabtyre 2.5 mm2 3core + E	
Cabtyre 2.5 mm2 6core + E 1 1 1 Silicone cabtyre 1.5 mm2 3core + E 1 1	Cabtyre 2.5 mm2 4core + E	
Silicone cabtyre 1.5 mm2 2core + E 1 1 Silicone cabtyre 1.5 mm2 3core + E 1 1	Cabtyre 2.5 mm2 6core + E	
Silicone cabtyre 1.5 mm2 3core + E	Silicone cabtyre 1.5 mm2 2core + E	
	Silicone cabtyre 1.5 mm2 3core + E	

Silicone cabtyre 2.5 mm2 2core + E						
Silicone cabtyre 2.5 mm2 3core + E	-					
Silicone cabtyre 2.5 mm2 4core + E		 -				
Trailing cable 2.5 X 4 core						
Trailing cable 4 X 4 core						
Trailing cable 6 X 4 core						
Trailing cable 10 X 4 core						
House Wire PVC red 1 mm2						
House Wire PVC black 1 mm2						
House Wire PVC green 1 mm2						
House Wire PVC yellow 1 mm2						
House Wire PVC red 1,5 mm2						
House Wire PVC black 1.5 mm2						
House Wire PVC green 1.5 mm2						
House Wire PVC yellow 1.5 mm2						
House Wire PVC red 2.5 mm2	•					
House Wire PVC black 2.5 mm2	1					
House Wire PVC green 2.5 mm2	1					
House Wire PVC red 4 mm2	1					
House Wire PVC black 4 mm2	-					
House Wire PVC green 4 mm2	1					
House Wire PVC red 6 mm2						
House Wire PVC black 6 mm2						
House Wire PVC green 6 mm2						
House Wire PVC red 10 mm2						
House Wire PVC black 10 mm2						
House Wire PVC green 10 mm2						
House Wire PVC red 16 mm2						
House Wire PVC black 16 mm2	1					
	Total R	~	ж Ж	×	2	8
SG	Dane Q		3 Wear r	Lefort Total		

House Wire PVC green 16 mm2	
Trench Earth 1.5 mm2	
Trench Earth 2.5 mm2	
Trench Earth 4 mm2	
Trench Earth 6 mm2	
Trench Earth 10 mm2	
Trench Earth 16 mm2	

Trench Earth 25 mm2		-							general and
Twin & Earth 1 mm2 2 core + E flat	: flat			-					-
Twin & Earth 1.5 mm2 2 core + E flat	- E flat	1			-				-
Twin & Earth 2.5 mm2 2 core + E flat	- E flat	-			-				-
Twin & Earth 4 mm2 2 core + E flat	: flat	-		-					_
Twin & Earth 6 mm2 2 core + E flat	: flat								
Rip cord 0.75mm2									
Rip cord 1mm2									
Rip cord 1.5mm2									
Surfix cable 1.5 mm2 2 core + E									
Surfix cable 2.5 mm2 2 core + E									-
Surfix cable 4 mm2 2 core + E									
Surfix cable 6 mm2 2 core + E		-							
Surfix cable 1.5 mm2 3 core + E	D.I	1							
Surfix cable 2.5 mm2 3 core + E	12.6	-							
Surfix cable 4 mm2 3 core + E		-							
Surfix cable 1.5 mm2 4 core + E									
Surfix cable 2,5 mm2 4 core + E		П	-						
Surfix cable 4 mm2 4 core + E		-							
Lugs 1.5 X 4mm2		1							
Lugs 1.5 X 5 mm2		-		-					
Lugs 1,5 X 6 mm2	•	П							
Lugs 2.5 X 4 mm2									
Lugs 2.5 X 5 mm2		+-1							
Lugs 2.5 X 6 mm2		,t							
Lugs 2.5 X 8 mm2		1							
Lugs 2.5 X 10 mm2		-							
Lugs 4 X 4 mm2		7-1							
Lugs 4 X 5 mm2		П							
		Total R	~	~	~	2	2	8	
	Page 10			m	3 year periot Total	Total	~		

Lugs 4 X 8 mm2		
Lugs 4 X 10 mm2		
Lugs 6 X 4 mm2		
Lugs 6 X 5 mm2		
Lugs 6 X 6 mm2	,	
Lugs 6 X 8 mm2		
Lugs 6 X 10 mm2		
Lugs 10 X 5 mm2		

al R R R R R R R R R R R R R R R R R R R	Lugs 10 X 6 mm2	-			F	-	-	
1	Lugs 10 X 8 mm2			-				
1	Lugs 10 X 10 mm2							
1	Lugs 10 X 12 mm2							
	Lugs 16 X 5 mm2		-	1				
1	Lugs 16 X 6 mm2	1 =1						
1	Lugs 16 X 8 mm2	1 ==						
1	-ugs 16 X 10 mm2	H						
1	Lugs 16 X 12 mm2	-			-			
1	ugs 16 X 16 mm2	-						
1	-ugs 25 X 6 mm2	-						
1	-ugs 25 X 8 mm2							
1	-ugs 25 X 10 mm2					-		
1	-ugs 25 X 12 mm2	-				-		
1	-ugs Ring 1.5 mm2 X4mm (RED)					-		
1	-ugs Ring 1.5 mm2 X5mm (RED)	-				-		
1	-ugs Ring 1.5 mm2 X6mm (RED)					-		
1	-ugs Ring 1,5 mm2 X8mm (RED)	1						
1	-ugs Ring 2.5 mm2 X4mm (Blue)	l l		-				
1	-ugs Ring 2.5 mm2 X5mm(Blue)							
1	-ugs Ring 2.5 mm2 X6mm(Blue)	1		-	-			
1	-ugs Ring 2.5 mm2 X8mm(Blue)	1						
1	Lugs Ring 4 mm2 X4mm (Yellow)	1			_			
1	-ugs Ring 4 mm2 X5mm (Yellow)	1-			-			
1	-ugs Ring 4 mm2 X6mm (Yellow)							
1	Lugs Ring 4 mm2 X8mm (Yellow)	1						
1	ugs Ring 4 mm2 X10mm (Yellow)	1						
Total R R R R R R R R R	.ugs Spade 1.5 mm2 X 4mm fork (RED)	Ħ						
3 year periot Total R		$\overline{}$	~	~	~	~	~	2
	Page 11				3 year perio	t Total	~	

Lugs Spade 1.5 mm2 X 5mm fork (RED)	1
Lugs Spade 1.5 mm2 X 6mm fork (RED)	
Lugs Spade 2.5 mm2 X 4mm fork (Blue)	
Lugs Spade 2.5 mm2 X 5mm fork (Blue)	
Lugs Spade 2.5 mm2 X 6mm fork (Blue)	
Lugs Spade 4 mm2 X 4mm fork (Yellow)	
Lugs Spade 4 mm2 X 5mm fork (Yellow)	
Lugs Spade 4 mm2 X 6mm fork (Yellow)	
Lugs Pin 10 mm2 X 10mm (RED)	

(RED) (Blue) Smm X 0.8mm (RED) Smm X 0.8mm (RED) Smm X 0.8mm (RED) Smm X 0.8mm (RED) Smm (RED) 6.3mm (RED) 6.3mm (RED) 6.3mm (RED) 6.3mm (Yellow) male 1.5 mm2 (RED) male 2.5 mm2 (RED) male 2.5 mm2 (RED) male 4 mm2 (Yellow) male 4 mm2 (Yellow) male 4 mm2 (Yellow)	Lugs Pin 2.5 mm2 X 10mm (Blue) Lugs Pin 4 mm2 X 10mm (Yellow)	F-1 F							
15 mm2 (Blue)	(ferrule) 1.5 mm2 (RED)	-1		-					\neg
1.5 mm 2 (Yellow) 1.5 mm 2 (Yellow) 1.5 mm 2 (Samm (RED) 1.5 mm 2 (Samm (RED) 1.5 mm 2 (Samm X OSamm (RED) 1.5 mm 2 (Samm X OSamm (RED) 1.5 mm 2 (Samm X OSamm (Yellow) 1.5 mm 2 (Samm 2	(ferrule) 2.5 mm2 (Blue)	-				-			$\overline{}$
1.5 mm2 X 10mm (RED) 2.5 mm2 X 10mm (RED) 2.5 mm2 X 10mm (RED) 1	t(ferrule) 4 mm2 (Yellow)	1				-			
2.5 mm2 X 10mm (Blue) 4 mm2 X 10mm (Blue) 1	: Blade 1.5 mm2 X 10mm (RED)	1							
4 mm2 X 10mm (Yellow) 1 Male 1.5 mm2 6.3mm x 0.8mm (RED) 1 1 Male 1.5 mm2 6.3mm x 0.8mm (RED) 1 1 Male 4 mm2 6.3mm x 0.8mm (ReDow) 1 1 Female 1.5 mm2 6.3mm x 0.8mm (ReLD) 1 1 Female 2.5 mm2 6.3mm (Vellow) 1 1 Female 2.5 mm2 6.3mm (Vellow) 1 1 Female 2.5 mm2 (RED) 1 2.5 mm2 (ReLD) 1 2.5 mm2 (ReLD) 1 3 temp (Yellow) 1 4 mm2 (Yellow) 1 3 temp (Sellow) 1 4 mm2 (Yellow) 1 3 temp (Seconnect Male 1.5 mm2 (Blue) 1 4 mm2 (Yellow) 1 3 temp (Seconnect Female 1.5 mm2 (Blue) 1 4 mm2 (Yellow) 1 3 temp (Seconnect Female 1.5 mm2 (Blue) 1 4 mm2 (Yellow) 1 4 mm2 (Yellow) 1 5 temp (Seconnect Female 1.5 mm2 (Blue) 1 6 mm2 (Yellow) 1 6 mm2 (Yellow) 1 7 mm2 (ReLD) 1 8 temp (Seconnect Female 1.5 mm2 (Blue) 1 9 male Disconnect Female 1.5 mm2 (RelDe) 1 1 mm2 (Yellow) 1 1 mm2 (Yellow) 1 1 mm2 (Yellow) 1 1 mm2 (Yellow)	: Blade 2.5 mm2 X 10mm (Blue)	 							
Hale 1.5 mm2 6.3mm X 0.8mm (RED) 1 6 6 6 6 7 6 7 7 8 9	: Blade 4 mm2 X 10mm (Yellow)			<u> </u>					1
Wale 2.5 mm2 6.3mm X 0.8mm (Yellow) 1 6 6 I Vale 4 mm2 6.3mm X 0.8mm (Yellow) 1 6 6 Female 1.5 mm2 6.3mm (Yellow) 1 6 6 6 Female 2.5 mm2 6.3mm (Yellow) 1 6 <	connect Male 1.5 mm2 6.3mm X 0.8mm (RED)			 					7
t Malle 4 mm2 6.3mm X 0.8mm (Vellow) 1 6 6 Female 1.5 mm2 (Salm (RED)) 1 6 6 1 Female 2.5 mm2 (Salm (ReLD)) 1 6 6 1.5 mm2 (RED) 1 6 6 6 2.5 mm2 (ReLD) 1 6 6 6 6 2.5 mm2 (ReLD) 1 6	connect Male 2,5 mm2 6.3mm X 0.8mm (Blue)	1		 					T
Female 1.5 mm2 6.3mm (RED) 1 6 9 9 Female 2.5 mm2 (Bue) 1 6 6 6 Female 4 mm2 6.3mm (Yellow) 1 6 6 6 6 7.1.5 mm2 (RED) 1 1 6 <td>connect Male 4 mm2 6.3mm X 0.8mm (Yellow)</td> <td>1</td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td>	connect Male 4 mm2 6.3mm X 0.8mm (Yellow)	1							
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t Female 4 mm2 6.3mm (Yellow) c.1.5 mm2 (RED) d.4 mm2 (Yellow) 4 mm2 (Yellow) ated Disconnect Male 1.5 mm2 (RED) lated Disconnect Female 2.5 mm2 (RID) ated Disconnect Female 3.5 mm2 (Yellow) ated Disconnect Female 4.5 mm2 (Yellow) ated Disconnect Female 5.5 mm2 (RID) ated Disconnect Female 5.5 mm2 (RID) ated Disconnect Female 6.5 mm2 (Yellow) ated Disconnect Female 6.5 mm2 (Yellow) ated Disconnect Female 6.5 mm2 (Yellow) ated Disconnect Female 7.5 mm2 (RID)	connect Female 2.5 mm2 6.3mm (Blue)								T
c 1.5 mm2 (RED) 1	connect Female 4 mm2 6,3mm (Yellow)								
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lated Disconnect Male 2.5 mm2 (Pilue) 1 6 6 lated Disconnect Male 4 mm2 (Yellow) 1 6 6 ated Disconnect Female 1.5 mm2 (Blue) 1 6 6 lated Disconnect Female 2.5 mm2 (Blue) 1 6 6 lated Disconnect Female 4 mm2 (Yellow) 1 6 6 6 n2 1 1 6 6 6 n2 1 1 6 7 6 n2 1 1 6 7 6 n2 1 1 6 7 7 n2 1 1 6 7 7 n2 1 1 1 1 1 n2 1 1 1 1 1 1 n3 1	y Insulated Disconnect Male 1.5 mm2 (RED)			l					-
lated Disconnect Male 4 mm2 (Yellow) ated Disconnect Female 1.5 mm2 (RED) ated Disconnect Female 2.5 mm2 (Blue) ated Disconnect Female 4 mm2 (Yellow) 1 1 1 1 1 2 2 Page 12 1 1 2 3 year periot Total R	y Insulated Disconnect Male 2.5 mm2 (Blue)					-			1
ated Disconnect Female 1.5 mm2 (Blue) ated Disconnect Female 2.5 mm2 (Blue) ated Disconnect Female 4 mm2 (Yellow) 1 1 1 1 2 2 2 3 year periot Total 1	ly Insulated Disconnect Male 4 mm2 (Yellow)								_
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ated Disconnect Female 4 mn2 (Yellow) 1 1 1 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1	ly Insulated Disconnect Female 2.5 mm2 (Blue)	-			_				T
1	y Insulated Disconnect Female 4 mm2 (Yellow)	1			_				-
2 1 1 <td>2.5 mm2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td>	2.5 mm2								_
2 1 1	4 mm2			-					-
1 R R R R R R R R R	6 mm2								-
Total R R R R R R R R R R R R R	10 mm2	1							_
3 year periot Total R			22	~	~	~	R	~	-
	Page 12					ot Total	~		-

Ferrules 16 mm2		
Ferrules 25 mm2		
Strip Connector Blocks 6A black 12 way		
Strip Connector Blocks 10A black 12 way	1	
Strip Connector Blocks 10A white12 way		
Strip Connector Blocks 16A black 12 way		
Strip Connector Blocks 16A white12 way		
Strip Connector Blocks 20A black 12 way		
Strip Connector Blocks 30A black 12 way		
Strip Connector Blocks 60A black 12 way		

Strip Connector Blocks 17.5A white12 way			
Strip Connector Blocks 24 white12 way			
Strip Connector Blocks 32A white12 way	1-1		
Strip Connector Blocks 41A white12 way			
Porcelain Connectors 6A 1 way			
Porcelain Connectors 11A 1 way			
Porcelain Connectors 15A 1 way			
Porcelain Connectors 30A 1 way			
Porcelain Connectors 6A 2 way	-		
Porcelain Connectors 10A 2 way			
Porcelain Connectors 15A 2 way	y==1		
Porcelain Connectors 30A 2 way			
Porcelain Connectors 6A 3 way	1		
Porcelain Connectors 10A 3 way			
Porcelain Connectors 15A 3 way	1		
Porcelain Connectors 30A 3 way	1		
Scotch Cast Joints 82A1			
Scotch Cast Joints 82A2			
Scotch Cast Joints 82A3	-		
Cable Clips 5 mm2 Flat white	7		
Cable Clips 8.5 mm2 Hat white t	1		
Cable Clips 10.5 mm2 Flat white			
Cable Clips 12.5 mm2 Flat white			
Cable Clips 14.5 mm2 Flat white			
Cable Clips 5 mm2 Round white			
Cable Clips 5 mm2 Round black			
	Total R R	R R	R
Page 13		3 year periot Total	R

Į		
	Cable Clips 6 mm2 Round white	1
	Cable Clips 7 mm2 Round white	
	Cable Clips 8 mm2 Round white	
	Cable Clips 8 mm2 Round black	
	Cable Clips 8.5 mm2 Round white	
	Cable Clips 8.5 mm2 Round black	
	Cable Clips 9 mm2 Round white	
	Cable Clips 9 mm2 Round black	
	Cable Clips 10 mm2 Round white	
	Cable Clips 10 mm2 Round black	
	Cable Clips 10.5 mm2 Round white	

2 2 ~ ď Total Cable Clips 10,5 mm2 Round black Cable Clips 10.5 mm2 Round white Cable Clips 10.5 mm2 Round black Cable Clips 8.5 mm2 Round white Cable Clips 11 mm2 Round white Cable Clips 8.5 mm2 Round black Cable Clips 12 mm2 Round white Cable Clips 14 mm2 Round white Cable Clips 20 mm2 Round white Cable Clips 22 mm2 Round white Cable Clips 10 mm2 Round white Cable Clips 11 mm2 Round black Cable Clips 12 mm2 Round black Cable Clips 10 mm2 Round black Cable Clips 11 mm2 Round white Cable Clips 11 mm2 Round black Cable Clips 12 mm2 Round white Cable Clips 5 mm2 Round white Cable Clips 6 mm2 Round white Cable Clips 9 mm2 Round white Cable Clips 5 mm2 Round black Cable Clips 7 mm2 Round white Cable Clips 8 mm2 Round white Cable Clips 8 mm2 Round black Cable Clips 9 mm2 Round black

l		
	Cable Clips 12 mm2 Round black	7-1
	Cable Clips 14 mm2 Round white	
	Cable Clips 20 mm2 Round white	
	Cable Clips 22 mm2 Round white	
	Fisher plugs 6mm2	
	Nail Inns 5 X 45mm2	
	Nail Inns 6 X 55mm2	
	Nail Inns 6 X 70mm2	
	Nail Inns 8 X 80mm2	
	Nail Inns 8 X 100mm2	
	Nail Inns 8 X 120mm2	
	Compression Glands No. 00 white/black	1

3 year periot Total

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Galvanized Saddles 40mm2 1 Galvanized Saddles Somm2 1 Conduit Clamp 20 mm2 1 Conduit Clamp 25 mm2 1 Female Adaptors double bush 25 mm2 1 Female Adaptors double bush 32 mm2 1 Female Adaptors double bush 32 mm2 1 Cable Ties 2.5 X 104mm 1 Cable Ties 2.5 X 140mm 1 Cable Ties 2.5 X 150mm 1 Cable Ties 3.5 X 150mm 1 Cable Ties 3.6 X 200mm 1 Cable Ties 3.6 X 200mm 1 Cable Ties 4.7 X 205mm 1	Galvanized Saddles 32mm2	
n2 bush 20 mm2 bush 25 mm2 bush 32 mm2	Galvanized Saddles 40mm2	
bush 20 mm2 bush 25 mm2 bush 32 mm2		
bush 20 mm2 bush 25 mm2 bush 32 mm2		
bush 20 mm2 bush 32 mm2 bush 32 mm2		
Female Adaptors double bush 25 mm2 1 1 1 Female Adaptors double bush 32 mm2 1 1 1 Cable Ties 2.5 X 104mm 1 1 1 Cable Ties 2.5 X 140mm 1 1 1 Cable Ties 3.5 X 150mm 1 1 1 Cable Ties 3.6 X 200mm 1 1 1 Cable Ties 4.7 X 205mm 1 1 1		
Female Adaptors double bush 32 mm2 1 Adaptors double bush 32 mm2 Cable Ties 2.5 X 104mm 1 1 Cable Ties 2.5 X 140mm 1 1 Cable Ties 3.5 X 150mm 1 1 Cable Ties 3.6 X 200mm 1 1 Cable Ties 4.7 X 205mm 1 1	Female Adaptors double bush 25 mm2	
Cable Ties 2.5 X 104mm 1 1 Cable Ties 2.5 X 140mm 1 1 Cable Ties 3.5 X 150mm 1 1 Cable Ties 3.5 X 200mm 1 1 Cable Ties 4.7 X 205mm 1 1	Female Adaptors double bush 32 mm2	
Cable Ties 2.5 X 140mm 1 1 Cable Ties 3.5 X 150mm 1 1 Cable Ties 3.5 X 200mm 1 1 Cable Ties 4.7 X 205mm 1 1	Cable Ties 2.5 X 104mm	
Cable Ties 3.5 X 150mm 1 Cable Ties 3.6 X 200mm 1 Cable Ties 4.7 X 205mm 1	Cable Ties 2.5 X 140mm	
Cable Ties 3.6 X 200mm 1 Cable Ties 4.7 X 205mm 1	Cable Ties 3.5 X 150mm	
Cable Ties 4.7 X 205mm	Cable Ties 3.6 X 200mm	
	Cable Ties 4.7 X 205mm	

L	Cable Ties 4.7 X 305mm	-		-				
	Cable Ties 4.7 X 395mm	1 -				1		
	Cable Ties 7.8 X 280mm							
	Cable Ties 7.8 X 395mm			-				T
	Insulation Tape red Heavy Duty	1						
	Insulation Tape white Heavy Duty	1						
	Insulation Tape blue Heavy Duty							
	Insulation Tape yellow Heavy Duty	T						
	Insulation Tape black Heavy Duty	T						
	Insulation Tape green Heavy Duty					-		
	Heat Shrink 4.8 mm un shrunk	-						
	Heat Shrink 6,4 mm un shrunk	-				-		
	Heat Shrink 9.5 mm un shrunk	-						
	Heat Shrink 12.7 mm un shrunk	i Fri						
	Heat Shrink 19,1 mm un shrunk	+-1				-		T
	Heat Shrink 25.4 mm un shrunk	1	L			<u> </u>		
	Heat Shrink 38.1 mm un shrunk	-						
	Heat Shrink 50.8 mm un shrunk	T T						
	Empire sleeving 4mm	1				-		
	Empire sleeving 5mm	1				1		
	Empire sleeving 6mm							
	Empire sleeving 8mm							
	Empire sleeving 9mm							
		Total R	~	~	R	~	W.	
	Page 16			m	3 year periot Total	×	-	

Drywall Screws 3.5 X 25mm	
Drywall Screws 4.5 X 45mm	
Drywall Screws 4.5 X 50mm	
Drywall Screws 4.5 X 60mm	
Drywall Screws 4.5 X 75mm	
Self-tapping screws 6 X 15mm	
Self-tapping screws 6 X 19mm	
Self-tapping screws 6 X 25mm	1
Self-tapping screws 8 X 32mm	1
Self-tapping screws 10 X 50mm	
Chip board screws 4 X 20	
Chip board screws 4 X 40	
Chip board screws 4 X 45	
Chip board screws 5 X 40	

Chip board screws 5 X 45		-				
Rawl bolts 6mm				-		
Rawl bolts 8mm				-	-	
Rawl bolts 10mm					-	
Spring Toggle Galvanized 5mm X50mm	S0mm	1-1				
Spring Toggle Galvanized 5mm X75mm	75mm	FI		-		
Pop Rivets 3.2 X 12				-		
Pop Rivets 4 X 15				-	-	
Pop Rivets 4 X 18						
Pop Rivets 4.8 X 15		Ţ				
Pop Rivets 4.8 X 25		Ţ				
Machine Screws M3 X 20 mm		1				
Machine Screws M4 X 20 mm		1				
Machine Screws M5 X 20 mm		1				
Machine Screws M6 X 20 mm		1				
Machine Screws M4 X 25 mm						
Machine Screws M5 X 25 mm						
Machine Screws M6 X 25 mm						
Machine Screws M8 X 50 mm		1				
Machine Screws M10 X 50 mm						
Machine Screws M4 X 50 mm		1				
Machine Screws M5 X 50 mm						
		Total R R	Z Z	~	~	~
	Page 17		3 year periot Total	ot Total	~	

Machine Screws M8 X 50 mm 1 Machine Screws M10 X 50 mm 1 Machine Screws M4 X 100 mm 1 Machine Screws M6 X 100 mm 1 Machine Screws M8 X 100 mm 1 Machine Screws M8 X 100 mm 1 Machine Screws M10 X 100 mm 1 Machine Screws M10 X 100 mm 1 Machine Screws Brass M3 X 20 mm 1 Machine Screws Brass M4 X 20 mm 1 Machine Screws Brass M8 X 20 mm 1 Machine Screws Brass M8 X 20 mm 1 Machine Screws Brass M8 X 20 mm 1 Machine Screws Brass M10 X 20 mm 1	Machine Screws M6 X 50 mm	1			
	Machine Screws M8 X 50 mm	-			
	Machine Screws M10 X 50 mm	1			
	Machine Screws M4 X 100 mm	П			
	Machine Screws M5 X 100 mm	1			
	Machine Screws M6 X 100 mm	1			
	Machine Screws M8 X 100 mm	7-4			
	Machine Screws M10 X 100 mm				
	Machine Screws Brass M3 X 20 mm	11			
	Machine Screws Brass M4 X 20 mm	1			
	Machine Screws Brass M5 X 20 mm	1			
ſ	Machine Screws Brass M6 X 20 mm	1			
	Machine Screws Brass M8 X 20 mm	1			
	Machine Screws Brass M10 X 20 mm	1			
	Machine Screws Brass M3 X 25 mm	-			

	Machine Screws Brass M4 X 25 mm	1	_						
<u>g</u>	Machine Screws Brass M5 X 25 mm	+							T
힏	Machine Screws Brass M6 X 25 mm	T T					-		T
۱ac	Machine Screws Brass M8 X 25 mm		<u> </u>						1
ğ	Machine Screws Brass M10 X 25 mm	-					-		1
ğ	Washers Galvanized M3	1							т
Va	Washers Galvanized M4					-			T
Ş	Washers Galvanized M5	-	-				-		
ζa	Washers Galvanized M6		<u> </u>				-		_
Š	Washers Galvanized M8	-	-				-		
Š	Washers Galvanized M10	-					-		т
\Z	Washers Brass M3		T			-	-		T
Vas	Washers Brass M4	-	 -				-		
ζä	Washers Brass M5	_	 			-			T
Vas	Washers Brass M6	-							
\as	Washers Brass M8	-				-	-		$\overline{}$
Vas	Washers Brass M10	-							T
ij	Nuts Galvanized M3	-					-		Т
풀	Nuts Galvanized M4	-							_
[≝]	Nuts Galvanized M5								$\overline{}$
뷀	Nuts Galvanized M6	-							1
		Total R	~	~	2	~	22	2	_
	Page 18				3 year periot Total	ot Total	~		T

	Indis Galvanized M8	-			
ŕ	Nuts Galvanized M10	4 -			
_	Nuts Brass M3	-		1	
-	Nuts Brass M4	-			
٢	Nuts Brass M5				
_	Nuts Brass M6				
=	Nuts Brass M8				
-	Nuts Brass M10	-			
5	Stove Switch 3 heat				
S	Stove Switch 5 heat				
S	Silicone wire 1.5 mm2	-			
S	Silicone wire 2.5 mm2	1		<u> </u>	
S	Silicone wire 4 mm2	-		-	
S	Silicone wire 6 mm2				
S	Silicone wire 6mm2	-			
S	Stove Plate 6 inch Solid	-			

Stove Plate 8 inch Solid	Solid	-	L		-			-
Stove Plate 6 inch Spiral	ı Spiral	1			-			-
Stove Plate 8 inch Spiral	ı Spiral							-
Door Rubber (stove universal)	ve universal)				-			-7
Pilot Lights (stove)	[1]	T						-
Rocker Switches o	Rocker Switches on/off no lamp white SPST	-						-
Rocker Switches o	Rocker Switches on/off no lamp black SPST	FI			-			-
Rocker Switches o	Rocker Switches on/off illuminated white SPST							-
Rocker Switches o	Rocker Switches on/off illuminated black SPST	-						-
Rocker Switches o	Rocker Switches on/off no lamp black DPST	-			-			-
Rocker Switches o	Rocker Switches on/off illuminated black DPST	1						-
Rocker Switches o	Rocker Switches on/off / on illuminated black SPDT	-						-
Rocker Switches o	Rocker Switches on/off / no lamp black DPST							-
PVC Sprague 20 mm2 X 50 m	nm2 X 50 m	-						-
PVC Sprague 25 mm2 X 50 m	nm2 X 50 m	-			-			-
Metal Sprague20 mm2 X 30 m	mm2 X 30 m							-
Sprague ends 25 mm2 X 30 m	mm2 X 30 m	1						
Stove 20 mm2 stopper PVC	pper PVC	-			-			_
Stove 20 mm2 stopper Steel	ppper Steel	-						_
Stove 25 mm2 stopper PVC	ppper PVC	1						_
		Total R	~	R R	∝	~	R	_
	Page 19			3 year periot Total	ot Total	2		_
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Stove 25 mm2 stopper Steel	1
Reducer 25 mm2 to 20mm2	
Interior 3 pin	
Interior 4 pin	
Inside Plate	
Stove Plug Top 3 pin	
Stove Plug Top 4 pin	
Stove Base complete	
Stove Rings 6 inch	
Stove Rings 8 inch	
Stove Cup 6 inch	
Stove Cup 8 inch	
Fuses ES (stove) 10A	
Fuses ES (stove) 15A	
Fuses ES (stove) 20A	
Fuses ES (stove) 25A	
Flises FS (strove) 30A	

	Fuses Gass 2A	-						Г
	Fuses Glass 3A	1						\neg
	Fuses Glass 3.5A							
	Fuses Glass 4A	1 -						_
	Fuses Glass 5A	1 -						_
	Fuses Glass 6.3A							
	Fuses Glass 1.0A		1					_
	Fuses Glass 13A							_
	Fuses Glass 15A							_
	Fuses Glass 20A	-						_
	Fuses Glass 25A	F						_
	Fuses Glass 30A	Total		-				_
	Fuses Ceramic 2A	-						_
	Fuses Ceramic 3A	T						_
	Fuses Ceramic 3.5A				-			_
	Fuses Ceramic 4A	-						_
	Fuses Ceramic 5A							_
	Fuses Ceramic 6.3A	-						-
	Fuses Ceramic 10A							-
		Total R R	~	œ	2	8	R	-
-	Page 20			3 year periot Tota	t Total	2		_
	Fuses Ceramic 13A	1		-	_			_
	Fuses Ceramic 15A	-						_
	Fuses Ceramic 20A							
	Fuses Ceramic 25A	1						
	Fuses Ceramic 30A	1						-
	Stove oven light	ļ.						-
	Stove Element Bake	1						-
	Stove Element Grill	1						-
	Stove Element Warming Drawer	1						-
	Stove Oven Thermostat							
	Bay marine elements	₩						
	Urn elements	-						-
	Geyser elements 1.5kW	1						_
	Geyser elements 2kW							_
	Geyser elements 3kW	1						_
	Geyser elements 4kW	1						_
	Geyser Thermostat VK2	1						_
	Geyser Thermostat Kwi Kot	1						
								_

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Geyser Thermostat (hard water)				
Bonding Strap 5 X 12 – 26m				
SWITCHES				
Switches 1L1Way plus plate Crabtree				
Switches 1L2Way plus plate Crabtree				
Switches 2L1Way plus plate Crabtree				
Switches 2L2Way plus plate Crabtree				
Switches 3L1Way plus plate Crabtree	1-4			
Switches 4L1Way plus plate Crabtree				
Switches 5L1Way plus plate Crabtree				
Switches 6L1Way plus plate Crabtree				
Switches Intermediate plus plate				
Switch modules 1L1Way Crabtree	-			
Switch modules 2 Way Crabtree				
Switch modules intermediate Crabtree				
Switch pull (complete)				
Dimmer Switches plus plate	and			
Switch Day Night	1			
	Total R R	R	8	R
Page 21		3 year periot Total	Total	

Switches water tight	
Switches Thru	
Switches Float Mechanical	
Switches Hoat Mercury	
Industrial Switches 1L 1 Way	
Industrial Switches 1L.2 Way	
Industrial Switches 2L 1 Way	
Industrial Switches 2L 2 Way	
Industrial Switches 3L 1 Way	
Float Switches (mechanical switching)	
Float Switches (mercury switching)	
Dimmers switch Crabtree	
SWA Armored Cable 1.5 mm2 3 core X 1m	
SWA Armored Cable 2.5 mm2 3 core X 1m	
SWA Armored Cable 4 mm2 3 core X 1m	
SWA Armored Cable 6 mm2 3 core X 1m	
SWA Armored Cable 10 mm2 3 core X 1m	
SWA Armored Cable 16 mm2 3 core X 1m	
SWA Armored Cable 25 mm2 3 core X 1m	1

	1			
	7			
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	-			
	-			
BW SWA Cable Gland No. 0 Captive				
BW SWA Cable Gland No. 1 Captive	1			
BW SWA Cable Gland No. 2 Captive				
BW SWA Cable Gland No. 3 Captive				
BW SWA Cable Gland No. 4 Captive	1			
	Total R	R R	м М	~
Page 22			3 year periot Total	~

BW SWA Cable Gland No. 5 Captive	
D1W SWA Cable Gland No. 1 Captive	
D1W SWA Cable Gland No. 2 Captive	
D1W SWA Cable Gland No. 3 Captive	
D1W SWA Cable Gland No. 4 Captive	
D1W SWA Cable Gland No. 5 Captive	
Brass Lock Nuts No 0	
Brass Lock Nuts No 1	
Brass Lock Nuts No 2	
Brass Lock Nuts No 3	
Brass Lock Nuts No 4	
Brass Lock Nuts No 5	
Sealing Gaskets 20 mm2	
Sealing Gaskets 25 mm2	
Sealing Gaskets 32 mm2	
Sealing Gaskets 40 mm2	
Sealing Gaskets 50 mm2	
Female Brass Bush 20mm2	
Female Brass Bush 25mm2	
Female Brass Bush 32mm2	

.

Female Brass Bush Somm2 Female Brass Bush Somm2 Male Brass Bush 20mm2 Male Brass Bush 20mm2 Male Brass Bush 25mm2 Male Brass Bush 25mm2 Male Brass Bush 25mm2 Male Brass Bush 32mm2 Male Brass Bush 40mm2 Male Brass Bush 40mm2 Male Brass Bush 50mm2 Galvanized Lock Nuts 50mm2 Line Taps MO6 16mm Line Taps MO5 50mm Line Taps MO5 50mm Line Taps MO5 50mm Line Taps MO0 50mm Small Sirvoud (fine taps) Male Brass Bush 50mm2 Line Taps MO 100 100mm Small Sirvoud (fine taps)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
m2 2 long 2 long 2 long 3 long 4 long 4 long 4 long 4 long 4 long 6 long 6 long 6 long 6 long 7 long 7 long 8 long	R R R R R R R R R R R R R R R R R R R
2 long 2 long 3 long 4 long 4 long 5 long 6	R R R R R R R R R R R R R R R R R R R
2 long 2 long 3 long 4 long 4 long 5 long 6	R R R R R R R R R R R R R R R
E long E long I long Imm2 Imm2 Imm2 Imm2 Imm2 Imm2 Imm2 Imm	R R R R R R R R R R R R R
2 long 2 long 3 long 4 long 4 long 4 long 6 lum2 7 lum2 7 lum2 7 lum2 7 lum2	R R R R R R R R R R R R R R
rinn2 mm2 mm2 mm2 mm2 mm2 mm2 mm2	R R R R R R R R R R R R R
t long t long t long thm2 thm2 thm2 thm2	R R R R R R R R R R R R R
t long to long think thi	R R R R R R R R R R R R R
t long thmm2 mm2 mm2 mm2 mm2	R R R R R R S Syear periot Total R
inm2 Imm2 Imm2 Imm2 Imm2	R R R R R R R R S Ayear periot Total R
inm2 imm2 imm2 imm2 imm2	R R R R R R 3 year periot Total R
inm2 inm2 imm2 imm2 imm2	R R R R R R R 3 year periot Total R
imm2 Imm2 Imm2 Imm2	R R R R R R R 3 year periot Total R
mm2 mm2	R R R R R 3 year periot Total R
mm2 m m	R R R R R R R R 3 year periot Total R
mm2 m	R R R R R R 3 year periot Total R
mm2 m	3 year periot Total R
Galvanized Lock Nuts 50mm2 Line Taps MO8 10mm Line Taps MO4 25mm Line Taps MO4 25mm Line Taps MO 50mm Line Taps MO 50mm Line Taps MO 100 100mm Small Shroud (line taps)	
Line Taps MO8 10mm Line Taps MO6 16mm Line Taps MO4 25mm Line Taps MO2 35mm Line Taps MO 50mm Line Taps MO 100 100mm Small Shroud (line taps)	
Line Taps MO6 16mm Line Taps MO4 25mm Line Taps MO2 35mm Line Taps MO 50mm Line Taps MO 100 100mm Small Shroud (line taps)	1
Line Taps MO4 25mm Line Taps MO2 35mm Line Taps MO0 50mm Line Taps MO 100 100mm Small Shroud (line taps)	
Line Taps MO2 35mm Line Taps MO0 50mm Line Taps MO 100 100mm Small Shroud (line taps)	
Line Taps MO0 50mm Line Taps MO 100 100mm Small Shroud (line taps)	
Line Taps MO 100 100mm Small Shroud (line taps)	
Small Shroud (line taps)	
ha. n	1
Medium Shroud (line taps)	
Large Shroud (line taps)	1
Washers Earth Tag Slip on No 0	
Washers Earth Tag Slip on No 1	
Washers Earth Tag Slip on No 2	1
Washers Earth Tag Slip on No 3	
Washers Earth Tag Slip on No 4	
Washers Earth Tag Slip on No 5	1
Washers Earth Tag Screw on No 0	1
Washers Earth Tag Screw on No 1	
Washers Earth Tag Screw on No 2	
Washers Earth Tag Screw on No 3	
Washers Earth Tag Screw on No 4	

	Washers Earth Tag Screw on No 5	-					
	Kicker pipe	-				1	
_	Earth Spike 1.5m X M16	-					
	Earth Spike 1.8m X M16					+	
	Earth Spike 2.4m X M16	-					
	Earth Spike 3m X M16						
	Earth Spike Coupling brass	-				<u> </u>	
	Earth Spike Driving tip	-					
	Earth Spike Clamp 70mm brass	-					
	Earth Spike Driving cap	-					
	(Please note that all Lamps, Fitting and Ballasts must be	, ,-					
	250V unless otherwise specified)						
	Fluorescent Starter Holders T5 + pins	-					
	Fluorescent Starter Holders T5 + pins + springs	-					
	G13 Tombstone slide on starter holder	1					
		Total R	~	~	R	~	~
	Page 24			3 ye	3 year periot Total	. ~	

G13 with pins + springs starter holder		
Starter Holders with pins		
Spare lamp holder for twin lamp fittings		
Spare lamp holder for single lamp fittings		
Spare lamp holder for telescopic lamp fittings		
Fluorescent Tubes 1Ft		
Fluorescent Tubes 2Ft		
Fluorescent Tubes 3Ft	1	
Fluorescent Tubes 4Ft slim line		
Fluorescent Tubes 4Ft rapid start		
Fluorescent Tubes 5Ft slim line		
Fluorescent Tubes 5Ft rapid start		
Fluorescent Tubes 8Ft	T	
Fluorescent Ballasts 11W		
Fluorescent Ballasts 10 - 13W	1	
Fluorescent Ballasts 13W		
Fluorescent Ballasts 16W		
Fluorescent Ballasts 18W	1	
Fluorescent Ballasts 20W	1	
Fluorescent Ballasts 18 - 20W		
Fluorescent Ballasts 30W		
Fluorescent Ballasts 36W		

Fluorescent Ballasts 36W – 40W	-				
Fluorescent Ballasts 58W					
Fluorescent Ballasts 58W – 65W				1	
Fluorescent Ballasts 75W				+	1
Fluorescent Ballasts 18W Double					-
Fluorescent Ballasts 26W Double					
Fluorescent Ballasts 28W Double					
Fluorescent Ballasts 36W Double	-				
Fluorescent Ballasts 42W Double	-			+	
Fluorescent Ballasts 54W Double	-				
Fluorescent Ballasts 58W Double	(,			1	1
Fluorescent Ballasts 75W Double	1 -			1	
70W Ballasts High Pressure Sodium & Metal Halide	1			1	
150W Ballasts High Pressure Sodium & Metal Halide	11				
	Total R	R	ж ж	~	<u>~</u>
Page 25		-	3 year periot Total	<u>~</u>	

	250W Ballasts High Pressure Sodium & Metal Halide	1		
	400W Ballasts High Pressure Sodium & Metal Halide	Ţ		
	70W Ballasts for Mercury Vapour	1		
	150W Ballasts for Mercury Vapour			
	250W Ballasts for Mercury Vapour			
	400W Ballasts for Mercury Vapour	1		
_	Capacitors for 2Ft Fluorescent			
	Capacitors for 3Ft Fluorescent	1		
	Capacitors for 4Ft Fluorescent	1		
	Capacitors for 5Ft Fluorescent	-		
	Fluorescent Fittings 1Ft single			
	Fluorescent Fittings 2Ft single	1		
	Fluorescent Fittings 3Ft single	-		
	Fluorescent Fittings 4Ft single	1		
	Fluorescent Fittings 5Ft single	T		
	Fluorescent Fittings 8Ft single	1		
	Fluorescent Fittings 1Ft double			
	Fluorescent Fittings 2Ft double	T		
	Fluorescent Fittings 3Ft double	1		
	Fluorescent Fittings 4Ft double	T		
	Fluorescent Fittings 5Ft double	-		
	Fluorescent Fittings 8Ft double	1		
	Fluorescent Fittings 18W single watertight	1		

Processor Finish SMV side watergards	_	Flinascont Eithnas 36M single watertickt					
## State of the control of the contr	L	Financial Citions (SW) single waterught					
## Act of color betweetight ## State of Color betweeting ## State of Color be		ricor coccini timings over single water ugilt					
95 SWM double waterlight eras 10 – 20W era 1		Fluorescent Hittings 18W double watertight	1				
9 59 SMV double waterlight the sealerlight the sealerlight that set = 2004 waterlight the sealerlight that set = 2004 waterlight the sealerlight that set = 2004 waterlight that		Huorescent Fittings 36W double watertight	1				
rest - 500W are 510 - 700W are 510 -		Fluorescent Fittings 58W double watertight	1				
1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Fluorescent Starters 4 – 80W					
1 1 1 1 1 1 1 1 1 1		Fluorescent Starters 10 – 20W					
1 1 1 1 1 1 1 1 1 1		Fluorescent Starters 30 40W	T-4				
1 1 1 1 1 1 1 1 1 1		Bulbs E/S 40W	-				
1 1 1 1 1 1 1 1 1 1		Bulbs E/S 60W	1				
1 Page 26		Bulbs E/S 100W	-				
Total R R R R R R R R R R R R R R R R R R R		Bulbs SES 40W	Tel				
Total R R R R R R R R R R		Bulbs SES 60W	++				
1. 1. 1. 1. 1. 1. 1. 1.			~		~	~	~
h Bowl (glass) th Gallery (porcelain) th Bowl (PVC) th Bowl (Viv) th Bowl (Nylon) th Bowl (Nylon) th Gallery (Nylon) th Galler	-	Page 26				~	
h Bowl (glass) h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (pVC) h Bowl (bVdon) h Gallery (bVdon) h Gallery (bVdon) h Gallery (bVdon) h Bowl (bVdon) h Gallery (bVdon) h				ļ			
h Bowl (glass) h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (PVC) h Gallery (PVC) h Gallery (Nylon)		Bulbs SES 100W	-				
h Bowl (glass) h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (Nylon) h Bowl (Nylon) h Bowl (Nylon) h Gallery (Nylon) h		Bulbs SBC 40W					
h Bowl (glass) h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (PVC) h Bowl (Nylon) h Gallery (Nylon)		Bulbs SBC 60W					
h Bowl (glass) h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (lyC) h Gallery (PVC) h Gallery (PVC) h Gallery (Nylon) h		Bulbs SBC 100W	-				
h Gallery (porcelain) h Bowl (glass) h Gallery (porcelain) h Bowl (PVC) h Gallery (PVC) h Gallery (Nylon) Head GoW Head GoW Head GoW Head GoW Head How (Nylon) Hoad GoW Head How (Nylon) Hoad Hoad Hoad How (Nylon) Hoad Hoad Hoad How (Nylon) Hoad Hoad How (Nylon) Hoad Hoad How (Nylon) Hoad Hoad How (Nylon) Hoad Hoad Hoad How (Nylon) Hoad Hoad How (Nylon) Hoad Hoad Hoad How (Nylon) Hoad Hoad Hoad How (Nylon) Hoad Hoad Hoad Hoad How (Nylon) Hoad		Light Fitting 6 inch Bowl (glass)	+-4				
h Gallery (porcelain) h Bowl (PVC) h Bowl (Nylon) h Bowl (Nylon) h Gallery (Nylon) h		Light Fitting 6 inch Gallery (porcelain)	1				
h Gallery (porcelain) h Bowl (PVC) h Gallery (PVC) h Bowl (Nylon) h Gallery (Nylon)		Light Fitting 8 inch Bowl (glass)	H				
h Bowl (PVC) h Gallery (PVC) h Bowl (Nylon) h Gallery (Nylon) h Gallery (Nylon) h Gallery (Nylon) h Gallery (Nylon) Head 60W Head 100W g complete 100W (Jam Jar) andle andle indle htts h Double Portable LED Flood Light 100W		Light Fitting 8 inch Gallery (porcelain)	1				
h Gallery (PVC) h Bowl (Nylon) h Gallery (Nylon) h Gallery (Nylon) h Gallery (Nylon) Head 60W Head 100W g complete 100W (Jam Jar) andle andle hrits h Gallery (Nylon) h Galler		Light Fitting 6 inch Bowl (PVC)	1				
h Bowl (Nylon) h Gallery (Nylon) h Bowl (Nylon) h Bowl (Nylon) h Gallery (Nylon) Head 50W Head 100W g complete 100W (Jam Jar) g complete LOOW (Jam Jar) hindle hindle hits hits hits hits houble Portable LED Flood Light how		Light Fitting 6 inch Gallery (PVC)	1				
h Gallery (Nylon) h Bowl (Nylon) h Gallery (Nylon) Head 60W Head 100W g complete 100W (Jam Jar) g complete LED Flood Light h Solw/30W/50W 100W		Light Fitting 6 inch Bowl (Nylon)	1				
h Bowl (Nylon) h Gallery (Nylon) Head 60W Head 100W g complete 100W (Jam Jar) andle andle htts Double Portable LED Flood Light 100W		Light Fitting 6 inch Gallery (Nylon)					
h Gallery (Nylon) Head 60W Head 100W g complete 100W (Jam Jar) andle indle hts Double Portable LED Flood Light 100W		Light Fitting 8 inch Bowl (Nylon)	1				
Head 60W Head 100W g complete 100W (Jam Jar) andie indle hts Double Portable LED Flood Light 100W		Light Fitting 8 inch Gallery (Nylon)					
Head 100W g complete 100W (Jam Jar) andie andie hts hts Double Portable LED Flood Light 20W/30W/50W 100W		Light Fitting Bulk Head 60W					
g complete 100W (Jam Jar) andie Ints Ints Double Portable LED Flood Light 20W/30W/50W 100W		Light Fitting Bulk Head 100W					
andle Indle Ints Ints Ints Double Portable LED Flood Light 100W		Water Tight Fitting complete 100W (Jam Jar)	1				
andie indle hts hts Double Portable LED Flood Light 200W/30W/50W 100W		Spot Light B10					
Ints Ints Ints Double Portable LED Flood Light 20W/30W/50W 100W		3 watt LED BC, candle	1				
hts hts Double Portable LED Flood Light 20W/30W/50W 100W		3 watt LED BS, candle	-				
hts Double Portable LED Flood Light 20W/30W/50W 100W		20W LED flood lights	1				
Double Portable LED Flood Light 20W/30W/50W 100W			F#				
100W		Double Portable LED Flood Light 20W/30W/	1				
			1				

TO SUPER DIBLIC LINGUI GROWING TED Shortigny Freeding TO TOWN							Γ
Glass Lens- 2 Years Warranty	-						T
White pendant Cord & Holder	4 =-						T
Low voltage Lighting Transformer	4						Т
Large size candle Light compact fluorescent lamps 250V ES	1						Т
Large size candle Light compact fluorescent lamps 250V BC	-						Т
Outdoor Downlight with 30 Degree Tilt	4						Т
Pond Light With Fixed Bracket							Т
Pond Light With Fixed Bracket	-						T
GU5,3 50W MR16 Closed Halogen	-						T
4 Panel Upfacing Wall Light	-						T
60W GLS Incandescent (10pc Shrink Pack)							Т
	Total R	2	<u>~</u>	X X	~	2	Т
Page 27 ·			3 y	3 year periot Total	_ EX		Т
							1

or 10W sor 10W the sor 10W alood Light Security	4 Panel Downfacing Wall Lantern	
sor 10W tit a lood Light Security Light Halogen In Flood Light Halogen In Flood Light In	60W GLS Incandescent (10pc Shrink Pack)	
sor 10W It I lood Light Security Light Halogen Halogen Intry type Itry typ	LED Floodlight with Sensor 10W	
Halogen Halogen Itry type	LED Floodlight with Sensor 10W	
lood Light Security Light Halogen Halogen Intry type Itry	Energy Saving Work Light	
Halogen Halogen ng Flood Light ng Flood Light try type try type try type try type entry trandard to mm d 10mm X 2.5mm	Energy Saving Work Ligh	
security Light Halogen ng Flood Light Ity type try type try type try type try type try type entry try type entry tandard to mm d 10mm X 2.5mm	Large Rectangular LED Flood Light	
Halogen ng Flood Light (s) Itry type Itry	Large Rectangular LED Security Light	7-1
Halogen Ing Flood Light Intry type Intr	Rectangular Flood Light	
ng Flood Light Itry type Itry type + earth Itry type	400W QI Premium J118 Halogen	
ntry type ntry type + earth ntry type + earth ntry type ntry type ntry type entry tandard to mm d 10mm X 2.5mm	Rectangular Energy Saving Flood Light	
ttry type ttry type + earth ttry type + earth ttry type ttry type ttry type entry tandard to mm d 10mm X 2.5mm	45W 4U CFL (Cool White)	
try type + earth try + on / off push bar try type try type try type entry tandard to mm d 10mm X 2.5mm	Brass BC / B22 10mm entry type	
try + on / off push bar try type try type entry tandard to mm d 10mm X 2.5mm	Brass BC / B22 10mm entry type + earth	
try type try type entry tandard i0 mm d 10mm X 2.5mm	Brass BC / B22 10mm entry + on / off push bar	1
entry tandard i0 mm d 10mm X 2.5mm	Brass BC / B22 12mm entry type	
tandard i0 mm d 10mm X 2.5mm	Brass BC / B22 20mm entry type	
tandard i0 mm d 10mm X 2.5mm	Brass BC / B22 Cord grip entry	
d 10mm X 2.5mm	Brass Battens BC / B22 standard	
d 10mm X 2.5mm	Brass Battens BC / B22 50 mm	
d 10mm X 2.5mm	Brass back plate 10mm	
	Locknut steel brass plated 10mm X 2.5mm	1
	Nipple steel 10 X 15 mm	
	Nipple steel 10 X 20 mm	
	Nipple steel 10 X 25 mm	

	~	3 year periot Total	3 year pe				Page 28
~	~	≃	~	~	R	Total	
						,I	Porceiam nange ES / E40 unskirted with bracket
						7	
1	+	l				-	Porcelain ES / E27 skirted
						1	Porcelain ES / E27 unskirted
		<u> </u>				11	Porcelain BC / B22 skirted
	-	-				Н	Nipple steel 10 X 1000 mm
	1					-	Nipple steel 10 X 100 mm
	-	T				H	Nipple steel 10 X 60 mm
	-	1				-	Nipple steel 10 X 50 mm
	1					-	Nipple steel 10 X 40 mm
	-					-	Nipple steel 10 X 35 mm
	-					-	Nipple steel 10 X 30 mm

Porcelain ES / E40 skirted	
Porcelain flange GES / E40 unskirted with bracket	
Porcelain GES / E40 skirted	
Nylon BC / B22 10 mm white	
Nylon BC / B22 10 mm black	
Nylon Battens BC / B22 50 mm white	
Nylon Battens BC / B22 50 mm black	
Nylon BC / B22 50 mm cord grip	
G9 Ceramic 230V	
GZ10 Ceramic 230V – 150mm lead	
GZ10 Ceramic 230V – 500mm lead	
Ceramic 12V – 200mm lead (metal pin clamps)	
Ceramic 12V 300mm lead (metal pin clamps)	
Metal Halide tubular 250W bulb	
Metal Halide tubular 400W bulb	
Metal Halide tubular 1,000W bulb	
Metal Halide Elliptical 250W bulb	
Metal Halide Elliptical 400W bulb	
Metal Halide Elliptical 1000W bulb	
High Pressure Sodium Tubular 250W bulb	
High Pressure Sodium Tubular 400W bulb	
High Pressure Sodium Tubular 1000W bulb	
High Pressure Sodium Elliptical 250W bulb	
High Pressure Sodium Elliptical 400W bulb	
High Pressure Sodium Elliptical 1000W bulb	
Mercury Vapour 80W bulb	

Mercury Vapour 125W bulb					
Mercury Vapour 250W bulb	 				
Mercury Vapour 400W bulb					
Mercury Vapour Blend 160W bulb	1 -				
Mercury Vapour Blend 250W bulb	+ -				
Mercury Vapour Blend 500W bulb	-				
Energy Saving Lamps 7W E/S	1 -				
Energy Saving Lamps 9W E/S	4				
Energy Saving Lamps 11W E/S	4 +				
Energy Saving Lamps 15W E/S	1 ,				
DT	Total R R	X X	<u>~</u>	<u>~</u>	~
Page 29		3 year periot Total	riot Total	- A	

	Channel Control of the Control		
- 1	Energy saving Lamps 20W E/S		
	Energy Saving Lamps 25W E/S		
1	Energy Saving Lamps 7W B/C		
	Energy Saving Lamps 9W B/C		
1	Energy Saving Lamps 11W B/C		
	Energy Saving Lamps 15W B/C		
	Energy Saving Lamps 20W B/C		
	Energy Saving Lamps 25W B/C		
	PAR 15W E27/PAR38 bulb		
	PAR 20W E27/PAR38 bulb		
	PAR 100W E27/PAR38 bulb		
ı	PAR 150W E27/PAR38 bulb		
	PAR 100W E27/PARG3 bulb		
	PAR 150W E27/PAR63 bulb		
	Cheese Fitting 200mm round Aluminium body		
	Cheese Fitting 250mm round Aluminium body		
	Cheese Fitting 200mm square Aluminium body	1	
	Cheese Fitting 250mm square Aluminium body		
	Outdoor bulkheads Plain large round 100W		
	Outdoor bulkheads Grid large round 100W		
	Outdoor bulkheads Eyelid large round 100W		
	Outdoor bulkheads Plain large oval 100W		
	Outdoor bulkheads Grid large oval 100W		
	Outdoor bulkheads Eyelid large oval 100W		
	Bulkhead Outdoor DTR rectangular high visor		ŀ
	Bulkhead Outdoor DTS Square specifications high visor		
	Bulkhead Outdoor DTC Round specifications high visor		

L						
	150W Die Cast Aluminium Flood Light glass lense	_				
	500W Die Cast Aluminium Flood Light glass lense	-				
	500W Die Cast Aluminium Flood Light glass lense +sensor	1				
Щ	Spot Flood Light PAR 38 with motion sensor	1 -				
Ш	Down Lighter 50W	1 -				
<u>L</u> .	Incandescent lamps (pigmy) E14	1 -				
	Incandescent lamps (pigmy) BA15D	-				
	Incandescent lamps frosted reflective 60W					
	Incandescent lamps frosted reflective 75W	· -				
Ш		Total R	X X	~	~	<u>~</u>
	Page 30			3 year periot Total	. ~	2

---- \vdash --1 -1 Din Rail anodized aluminium non slotted 35 X 7,5 X1 Din Rail passivated steel non slotted 35 X 15 X1.5 Din Rail anodized aluminium slotted 35 X 7,5 X1 Din Rail passivated steel non slotted 35 X 7.5 X1 Din Rail passivated steel slotted 35 X 15 X1.5 Circuit Breakers 10A single phase Din Rail 6kA Circuit Breakers 16A single phase Din Rail 6kA Circuit Breakers 1A single phase Din Rail 6kA Circuit Breakers 2A single phase Din Rail 6kA Circuit Breakers 3A single phase Din Rail 6Ka Circuit Breakers 6A single phase Din Rail 6kA Circuit Breakers 4A single phase Din Rail 6kA Incandescent lamps frosted reflective 100W Din Rail passivated steel slotted 35 X 7.5 X1 KWH Meter single phase DB mounted KWH Meter three phase DB mounted Load Control Relay 32A mini rail Load Control Relay 10A mini rail Load Control Relay 16A mini rail Load Control Relay 25A mini rail Load Control Relay 5A mini rail Load Control Relay 10A Din Rail Load Control Relay 16A Din Rail Load Control Relay 25A Din Rail Load Control Relay 32A Din Rail Load Control Relay 5A Din Rail KWH Meter single phase KWH Meter three phase

	2	ot Total	3 year periot Total				Page 31	
~	~	~	R	~	~	Total R		
						1	Circuit Breakers 2A Double Pole Din Rail 6kA	
-						-	Circuit Breakers 63A single phase Din Rail 6kA	
+			1				Circuit Breakers 50A single phase Din Rail 6kA	
	-			-			Circuit Breakers 40A single phase Din Rail 6kA	
1	1		-			-	Circuit Breakers 32A single phase Din Rail 6kA	
		1	-	1		-	Circuit Breakers 30A single phase Din Rail 6kA	
	1			_			Circuit Breakers 25A single phase Din Rail 6kA	
-	-	-			-	1	Circuit Breakers 20A single phase Din Rail 6kA	

CIrcuit breakers 10A Double Pole Din Rail 6KA	1	
Circuit Breakers 16A Double Pole Din Rail 6kA	,,,	
Circuit Breakers 20A Double Pole Din Rail 6kA		
Circuit Breakers 25A Double Pole Din Rail 6kA		
Circuit Breakers 32A Double Pole Din Rail 6kA		
Circuit Breakers 40A Double Pole Din Rail 6kA	1	
Circuit Breakers 50A Double Pole Din Rail 6kA		
Circuit Breakers 63A Double Pole Din Rail 6kA	1	
Circuit Breakers 2A 3 Pole Din Rail 6kA	1	
Circuit Breakers 6A 3 Pole Din Rail 6kA	1	
Circuit Breakers 10A 3 Pole Din Rail 6kA		
Circuit Breakers 16A 3 Pole Din Rail 6kA	1 11	
Circuit Breakers 20A 3 Pole Din Rail 6kA	1	
Circuit Breakers 25A 3 Pole Din Rail 6kA	1	
Circuit Breakers 32A 3 Pole Din Rail 6kA	1	
Circuit Breakers 40A 3 Pole Din Rail 6kA	1	
Circuit Breakers 50A 3 Pole Din Rail 6kA		
Circuit Breakers 63A 3 Pole Din Rail 6kA	7-1	
Circuit Breakers 6A SP&N Din Rail 6kA		
Circuit Breakers 10A SP&N Din Rail 6kA		
Circuit Breakers 16A SP&N Din Rail 6kA		
Circuit Breakers 20A SP&N Din Rail 6kA		
Circuit Breakers 25A SP&N Din Rail 6kA		
Circuit Breakers 32A SP&N Din Rail 6kA		
Single Pole Isolators 32A Din Rail 6kA		
Single Pole Isolators 63A Din Rail 6kA		
Double Pole Isolators 32A Din Rail 6kA		
Double Pole Isolators 63A Din Rail 6kA	1	
Double Pole Isolators 100A Din Rail 6kA		

3 Pole Isolators 63A Din Rail 6kA 1 n	3 Pole Isolators 32A Din Rail 6kA	-	-	-	
1	3 Pole Isolators 63A Din Rail 6kA	1 -			
1	3 Pole Isolators 100A Din Rail 6kA	7 -			
1	25A Earth Leakage Unit 2pole (No overload) (Din)	4 +-			
1	40A Earth Leakage Unit 2pole (No overload) (Din)	4 +-			
1 1 R R R R 3 3 3 3 3 3	63A Earth Leakage Unit 2pole (No overload) (Din)	7			
Total R R R 3	25A Earth Leakage Unit 4pole (No overload) (Din)				
8		Total R	A A	R R	~
	Page 32		3	year periot Total	. ~

-Н ---1 -------1 -Rail mounted terminals Standard terminals 2.5mm 40A Earth Leakage Unit 4pole (No overload) (Din) 63A Earth Leakage Unit 4pole (No overload) (Din) Rail mounted terminals Standard terminals 10mm Rail mounted terminals Standard terminals 16mm Rail mounted terminals Standard terminals 10mm Rail mounted terminals Standard terminals 35mm Rail mounted terminals Standard terminals 70mm Rail mounted terminals Standard terminals 4mm Rail mounted terminals Standard terminals 6mm 32A Earth Leakage Unit 2pole (overload) (Din) 63A Earth Leakage Unit 2pole (overload) (Din) 25A Earth Leakage Unit 4pole (overload) (Din) 40A Earth Leakage Unit 4pole (overload) (Din) 63A Earth Leakage Unit 4pole (overload) (Din) 25A Earth Leakage Unit 2pole (overload) (Din) Pre - assembled neutral horizontal X 105mm Pre - assembled earth bar vertical X 106mm Pre - assembled earth bar vertical X 88mm Pre - assembled earth horizontal X 213mm Pre - assembled neutral horizontal X 59mm Pre - assembled earth bar vertical X 55mm KWH Meter Din Rail mounted single phase KWH Meter Din Rail mounted three phase Rail mounted terminals Earth terminals Din Panel meters running hour Bus bar for Din MCB'S X 1m Din Ammeters 20A 48 X 48 Din Frequency meters Din Rail Clips

Din Ammeters 30A 48 X 48	_					
Din Volt meters 220/240V	11					
Din Volt meters 280/415V	-					
Cable trunking PVC 16mm X 16mm X 3m	1 -					
Cable trunking PVC 16mm X 16mm X 2m	-					
Cable trunking PVC 16mm X 25mm X 3m			1			
•	Total	-		í		
	I Otal IN	Y Y	¥	×	*	
Page 33			3 vear periot Total	Total	a	

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3 year periot Total

-Cable trunking PVC Slotted 40mm X 100mm X 2m Cable trunking PVC Slotted 60mm X 100mm X 2m Cable trunking PVC Slotted 25mm X 25mm X 2m Cable trunking PVC Slotted 15mm X 17mm X 2m Cable trunking PVC Slotted 25mm X 40mm X 2m Cable trunking PVC Slotted 25mm X 60mm X 2m Cable trunking PVC Slotted 25mm X 80mm X 2m Cable trunking PVC Slotted 40mm X 25mm X 2m Cable trunking PVC Slotted 40mm X 40mm X 2m Cable trunking PVC Slotted 40mm X 60mm X 2m Cable trunking PVC Slotted 40mm X 80mm X 2m Cable trunking PVC Slotted 60mm X 40mm X 2m Cable trunking PVC Slotted 60mm X 60mm X 2m Cable trunking PVC Slotted 60mm X 80mm X 2m Cable trunking PVC Slotted 80mm X 40mm X 2m Cable trunking PVC Slotted 80mm X 60mm X 2m Cable trunking PVC 100mm X 100mm X 3m Cable trunking PVC 100mm X 80mm X 3m Cable trunking PVC 100mm X 50mm X 3m Cable trunking PVC 100mm X 60mm X 3m Cable trunking PVC 25mm X 40mm X 3m Cable trunking PVC 40mm X 40mm X 3m Cable trunking PVC 16mm X 40mm X 3m Cable trunking PVC 25mm X 25mm X 2m Cable trunking PVC 40mm X 25mm X 2m Cable trunking PVC 40mm X 80mm X 2m Cable trunking PVC 60mm X 40mm X 2m Cable trunking PVC 60mm X 60mm X 2m Cable trunking PVC 80mm X 40mm X 2m Cable trunking PVC 80mm X 60mm X 2m Cable trunking PVC 40mm X 60mm X 2m

	Cable trunking PVC Slotted 80mm X 80mm X 2m	-		L	-			
	Cable trunking PVC Slotted 80mm X 100mm X 2m	-		-				
	Cable trunking PVC Slotted 100mm X 40mm X 2m	-			-			
	Cable trunking PVC Slotted 100mm X 60mm X 2m	-		-	-	-		
L	Cable trunking PVC Slotted 100mm X 80mm X 2m	4 -	-	-				
		Total R	~	_	-	-		
				4	4	4	۷	<u> </u>
	Page 34				3 year periot Total	ot Total	~	

Cable trunkir	Cable trunking PVC Slotted 100mm X 100mm X 2m	-			- 1
Cable trunkir	Cable trunking PVC 50mm X 15mm X 3m half moon	-			
Cable trunkir	Cable trunking PVC 70mm X 20mm X 3m half moon	-			
Cable trunkir	Cable trunking Steel 40mm X 40mm X 1m	-			
Cable trunkir	Cable trunking Steel 100mm X 40mm X 1m				
Power Skirtir	Power Skirting 185 X 50 X2m	-			-
Power Skirtir	Power Skirting 110 X 50 X2m				
Power Skirtir	Power Skirting 180 X 65 X2m	1			
Power Skirtir	Power Skirting 105 X 65 X2m	1			-
Power Skirtir	Power Skirting 185 X 50 T piece	-			
Power Skirtir	Power Skirting 185 X 50 Variable Inside Angle	H			-,-
Power Skirtir	Power Skirting 185 X 50 Plane Angle	-			
Power Skirtir	Power Skirting 185 X 50 Joint	-			_
Power Skirtir	Power Skirting 185 X 50 End cap	-			_
Power Skirtin	Power Skirting 185 X 50 Variable Outside Angle				_
Power Skirtir	Power Skirting 185 X 50 Cable support	-			_
Power Skirtir	Power Skirting 185 X 50 Internal Divider	1			
Power Skirtin	Power Skirting 185 X 50 Adaptor clip	1			
Power Skirtin	Power Skirting 185 X 50 900 bend	1			_
Power Skirtin	Power Skirting 185 X 50 T piece with reduction				
Power Skirtin	Power Skirting 185 X 50 4 X 2 Socket Adaptor				
Power Skirtin	Power Skirting 110 X 50 T piece	+			
Power Skirtin	Power Skirting 110 X 50 Variable Inside Angle	1			
Power Skirtin	Power Skirting 110 X 50 900 bend				
Power Skirtin	Power Skirting 110 X 50 End cap	H			
Power Skirtin	Power Skirting 110 X 50 Variable Outside Angle	1			
Power Skirtin	Power Skirting 110 X 50 T piece with reduction	1			
Power Skirtin	Power Skirting 110 X 50 4 X 2 Socket Adaptor	1			
Power Skirtin	Power Skirting 180 X 65 Divider	1			
Power Skirtin	Power Skirting 180 X 65 End cap	1			
Power Skirtin	Power Skirting 180 X 65 Internal Angle				
Power Skirtin	Power Skirting 180 X 65 External Angle	=			

Power Skirting 180 X 65 External Angle cover	11								Г
Power Skirting 180 X 65 Plane Angle									_
Power Skirting 180 X 65 Plane Angle cover	-								_
Power Skirting 180 X 65 T piece	-								_
>>>.d	1								_
	Total	~	~	R R	_	~	~	~	_

Page 35 ·

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	Power Skirting 180 X 65 4 X 2 Socket Adaptor	1			
	Power Skirting 180 X 65 Joint Cover				
	Power Skirting 105 X 65 Divider	-			
	Power Skirting 105 X 65 End cap				
	Power Skirting 105 X 65 Internal Angle	-	-		
	Power Skirting 105 X 65 External Angle				
	Power Skirting 105 X 65 External Angle cover	1,			
	Power Skirting 105 X 65 Plane Angle				
	Power Skirting 105 X 65 Plane Angle cover	+1			
	Power Skirting 105 X 65 T piece				
	Power Skirting 105 X 65 4 X 2 Socket Adaptor	11			
	Power Skirting 105 X 65 Joint Cover				
	Support Bracket 41 X 29 X 150mm				
	Support Bracket 41 X 29 X 200mm	1			
	Support Bracket 41 X 41 X 300mm				
	Support Bracket 41 X 41 X 400mm				
	Support Bracket 41 X 41 X 500mm				
	Plug tops 3pin rubber	H			
	Plug tops 3pin standard	1			
	Janus Plugs 3 pin double rubber	11			
	Janus Plugs 3 pin double poly prop black	FI			
	Janus Plugs 3 pin double poly prop white	1			
	Cable Tidy 22mm X 1.5m	1			
Ī	Cable Tidy 28mm X 1.5m	1			
	Galvanized Draw Wire X 2kg	1			
	Tape Barrier 75mm X 75mm X 500m				
İ	Tape Detector 75mm X 150mm X 500m				
	Tape danger 75mm X 150mm X 500m	11			
	Tape Masking 18mm x 40m	1			
	Tape Masking 24mm x 40m	1			
	Tape Masking 48mm x 40m	1			
	Hole Plugs 16mm				
٦	Hole Plugs 19mm	1			

 \propto 2 2 ~ ~ Total Hole Plugs 22mm Hole Plugs 25,4mm Hole Plugs 30,5mm

Page 36

Glue sticks small		
Glue sticks big		
Dedicated computer Plug 16A 3 pin	1	
Rubber Heavy Duty Plug 16A 3 pin		
Rubber Janus Heavy Duty Coupler 16A 3 pin	1	
Draw Boxes PVC 150 X 150 X 75	1	
Draw Boxes PVC 230 X 230 X 75		
Draw Boxes PVC 305 X 305 X 75	1	
Draw Boxes Galvanised 150 X 150 X 75	1	
Draw Boxes Galvanised 230 X 230 X 75		
Draw Boxes Galvanised 305 X 305 X 75	1	
Cable Tray 65mm X 3m	1	
Cable Tray 95mm X 3m	1	
Cable Tray 155mm X 3m	1	
Horizontal Bend 900 65mm		
Horizontal Bend 900 95mm		
Horizontal Bend 900 155mm		
Horizontal Bend 450 65mm		
Horizontal Bend 450 95mm		
Horizontal Bend 450 1.55mm	11	
Horizontal T Junction 65mm	1	
Horizontal T Junction 95mm	1	
Horizontal T Junction 155mm	1	
Horizontal Cross Junction 65mm	1	
Horizontal Cross Junction 95mm		
Horizontal Cross Junction 155mm		
Horizontal T Branches 65mm		
Horizontal T Branches 95mm	1	
Horizontal T Branches 155mm		
Upwards curve 65mm	1	
Upwards curve 95mm		
Upwards curve 155mm	1	
Downwards curve 65mm	1	
Downwards curve 95mm	1	

ď × × ~ Total R Downwards curve 155mm Boltless speed lock coupler

Page 37

	Straight jointing piece		
	Pliable jointing piece		-
	Horizontal Junctions		-
	Folding angle 900 / 450 internal		-
	Folding angle 900 / 450 external		_
l li	Precut 450 piece 65 / 95mm	1	-
	Precut 450 piece 155 / 215mm	1	_
	Vertical Couplings Folding angle		-
	Perforated Bottom Piece	1	_
	Bolt and Nut M6 X 10		-
	Relay Bases 8 pin screw terminal base	1	-,-
	Relay Bases 11 pin screw terminal base		
H	Relay Bases 14 pin screw terminal base	1	
	Relay Bases 8 pin screw terminal oval base		
	Relay Bases 11 pin screw terminal oval base	1	
	Relay Bases 14 pin screw terminal oval base		_
	Industrial Relays 230VAC 8 pin		
	Industrial Relays 230VAC 11 pin		
	Industriai Relays 230VAC 14 pin		
	Industrial Relays 110VAC 8 pin		
	Industrial Relays 110VAC 11 pin		
	Industrial Relays 110VAC 14 pin		_
	Industrial Relays 48VAC 8 pin		
	Industrial Relays 48VAC 11 pin		
	Industrial Relays 48VAC 14 pin		
	Industrial Relays 36VAC 8 pin		-
	Industrial Relays 36VAC 11 pin		-
	Industrial Relays 36VAC 14 pin		
	Industrial Relays 32VAC 8 pin		
	Industrial Relays 32VAC 11 pin		
	Industrial Relays 32VAC 14 pin		
	Industrial Relays 24VAC 8 pin	1	
	Industrial Relays 24VAC 11 pin		
	Industrial Relays 24VAC 14 pin	1	
	Industrial Relays 12VAC 8 pin		

ď ~ ~ œ \propto Total Industrial Relays 12VAC 11 pin

3 year periot Total

Pneumatic Timers Star / Delta 1 – 30 sec Pneumatic Timers Delay off 0 - 180 sec Pneumatic Timers Delay on 0 – 180 sec Pneumatic Timers Delay off 0 - 30 sec Pneumatic Timers Delay on 0 - 30 sec Motor Start / Stop Push buttons unit Top mounted Auxiliaries 1NO + 1NC Top mounted Auxiliaries 2NO + 2NC Top mounted Auxiliaries 1NO + 3NC Top mounted Auxiliaries 3NO + 1NC Industrial Relays 230VDC 11 pin Industrial Relays 110VDC 11 pin Industrial Relays 230VDC 8 pin Industrial Relays 110VDC 8 pin Industrial Relays 12VAC 14 pin Industrial Relays 48VDC 11 pin Industrial Relays 24VDC 11 pin Industrial Relays 12VDC 11 pin Industrial Relays 48VDC 8 pin Industrial Relays 24VDC 8 pin Industrial Relays 12VDC 8 pin Contactors 2 pole coil 240VAC Industrial Relays 6VDC 11 pin Contactors 2 pole coil 400VAC Industrial Relays 6VDC 8 pin Top mounted Auxiliaries 2NC Top mounted Auxiliaries 2NO Top mounted Auxiliaries 4NC Top mounted Auxiliaries 4NO Motor Overloads 400V 15kW Mini Contactors coil 230VAC Mini Contactors coil 400VAC Mini Contactors 500V 13kW Mini Contactors coil 110VAC Mini Contactors coil 24VAC Contactors 2 pole 40A

~ ~ ~ R R 3 year periot Total æ ~ Total R Page 39

Push Buttons (motor)			
Double button with light	4		
Double button with no light	1		
Add on contact blocks N/C red	4		
Add on contact blocks N/O green	1		
Lamp holder with support base			
Selector switch heads short handle 2 position maintained	£		
Selector switch heads short handle 3 position maintained	1 7-1		
Selector switch heads long handle 2 position maintained			
Selector switch heads long handle 3 position maintained			
Push Button Heads green	1		
Push Button Heads red	-		
Push Button Heads black	1		
Emergency stop buttons Twist to release	-		
Emergency stop buttons Key release			
Push button stations 132 X 82 X 65	-		
Gewiss Isolators 16A 5.5kW 3pole	1		
Gewiss Isolators 16A 5.5kW 4pole			
Toggle switches on - off			
Toggle switches on - on	1		
Toggle switches on - off - on	-		
Panel meters running hour 48mm2			
Panel meters running hour 72mm2			
Panel meters frequency 48mm2 45 – 65 Hz			
Panel meters power factor 400V + N	g-ref		
Panel meters watt meter 5A 400V non balanced	1		
Panel meters AC Ammeters direct 20A			
Panel meters AC Ammeters direct 30A			
Panel meters AC Ammeters direct 60A			
Panel meters AC Voltmeters 220 / 240V			
Panel meters AC Voltmeters 380 / 415V	+		
Relay Bases Din Rail 8 pin			
Relay Bases Din Rail 11 pin			
Relay Bases Din Rail 14 pin			
Din Lightning arrestors single pole	T		
Din Lightning arrestors double pole			

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UIN LIGHTHING AFFESTORS TOUR POLE						
Din Surge arrestors single pole						
Din Surge arrestors double pole						
Din Surge arrestors four pole						
Power Protection single pole						
Power Protection three pole	-					
Power Protection four pole						
Power Protection three pole + N						
Lightning Arrestors one pole	:					
Lightning Arrestors three pole	quel					
Surge Arrestors single pole						
Surge Arrestors double pole						
Surge Arrestors four pole						
Fireman Switch 20A	_					
Fireman Switch 32A						
Socket Nova 16A 4 pin socket						
Socket Nova 25A 4 pin socket						
Socket Nova 40A 4 pin socket	-					
Socket Nova 16A 4 pin plug	-		-			
Socket Nova 25A 4 pin plug						
Socket Nova 40A 4 pin plug						
Fuse Holders 690V	1					
Fuse Holders 250V round						
Fuse Holders 500V						
Fuse Holders panel mounted 30A 600V						
Fuse Holders open type 10 X 38						
Fuse Holders Din mounted 250VAC 32A	1					
Kettle Connector	П					
Bell Transformer 4V – 8V – 12V from 230V	H					
Door Bell underdome	1					
Door chime ding dong two tone						
Bells Pushes 55 X 24 X 18mm						
Sirens 220V AC/DC range 500m						
Down lighter transformer						
	- -i					
	. 1					
	Total	R R	2	R R	~	~
d	.;					

OT T	Wacı	Waco surface mounted switched socket outlet (interlocked) 3pin	-	-				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wac	o surface mounted switched socket outlet (interlocked) 4pin	T					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wac	o straight plug top 3 pin 32A	1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wac	o straight plug top 4 pin 32A	1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	York	Box 175 X 130 X 90	1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	York	Box 150 X 90 X 55	1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	York	Box 165 X 85 X 85	1					
1	York	Box 200 X 120 X 75	1					
1	85 W	att energy savers	1					
1	18 w	att 2 pin energy savers block	1					
1	18 W	att 4 pin energy savers block	1					
e Total R R R R R R R R R R R R R R R R R R R	26 w	att 2 pin energy savers block	l i		-			
1	26 w	att 4 pin energy savers block	1					
1	PL9 .	2 pin energy savers block	1	_				
1	PL9	5 pin energy savers in line	1					
1	10 W	att/840/2pin block						
1	50 W	att 220volt spot GU 10LED						
1	50 w	att 12volt Bi pin	1					
1	18 w	att energy saver						
1	14 w	alt energy saver						
e Total R R R R R R R R R R R R R R R R R R R	14 W	att circling tubes T5	1					
e	22 W	att circling tubes T5	1					
1	32 w	att circling tubes T5	1					
1	40 w	att circling tubes T5	-					
1	83 w.	att circling tubes T5	1					
e 1	70 w	att sont internal igniter	H					
e 1	20 w	att energy saver ES	1					
e 1 1	20 w.	att energy saver BC	Ħ					
e 1 1	20 w.	att halostar 12 volt lamp GA	1					
e 1 1	50 W.	att halostar 12 volt lamp GA	-					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40 w.	att 240volt R63 spot ES froster	1					
1 Total R R R R	20 16	watt 2pin florescent cool white	1					
Total R R R R			1					
Total R R R R								
Total R R R R								
LUIGI IN					c			c
		Choose	_	4	₹	4	۷ ا	۷

	i de la companya de l				
	Plugs				
- 1	16 amp Double plug + cover 100mm x 100mm				
1 1	16 amp Single plug + cover 100mm x 100mm	1			
- 1	16 amp Industrial plug double	1			
	16 amp Industrial plug single	F-4			
	16 amp plug + cover 50mm x 100mm (2'x 3")				
	15 amp Rubber plug tops (3 pin)				
	Elecktronic Ballast	Į.			
	58 watt x2	1			
	36 watt x2	1			
	36 watt x2	1		-	
	GES laqmp holders	1			
	Kettle element side entry 2.2 kw with cord				
	Transformers	1			
	50 KVA 11,000volt-400vold pole mounted	1			
	100 KVA 11,000volt-400vold pole mounted	H		-	
l V	Surfix cable pound 6mm x4 core +E				
	Fngs	1			
	lugs 35mm x 8mm				
	lugs 50mm x 10mm	1			
	lugs 70mm x 12mm	1			
	lugs 95mm x 12mm	1			
	lugs 120mm x 12mm				
- 1	Ferrules				
	ferrules 35mm	1			
	ferrules 50mm	1			
	ferrules 70mm				
	ferrules 95mm	1			
	ferrules 120	11			
- 1	Threaded rods	-			
	6mm x 1 meter				
	8mm x 1 meter	T			
	10 mm x 1 meter	T.			
	12 mm x 1 meter	1			
		Total R R	R R	~	~
					2

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ve LORD ve LORD 1	1 1 1 1 1 1 1 1 1 1		PVC armoured cable 50 meters		-		-			-	Г
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		10mm x 4 core						-	+	T
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		16mm x 4 core	F							T
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	- 1	25mm x 4 core	H							\neg
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		50mm x 4 core	1						+	Т
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 6 6 7 6 7 6 7 7 6 7 7 7 7 7 7 7 7 7		70mm x 4 core	F				-			T
1	1 1 1 1 1 1 1 1 1 1		95mm x 4 core	П						1	T
1	1 1 1 1 1 1 1 1 1 1	- 1	120mm x 4 core	F						Ī	T
1	1		Timers	1			-	-		t	
1 1 2 2 2 2 2 2 2 2	1 1 2 2 2 2 2 2 2 2		AC/DC type BND-X5 100 hour reserve UQRD	1						+	T
1	1 1 2 2 2 2 2 2 2 2	ы	Contactors								T
1	1		RAB15 - 230volt coil							1	T.
off 2 no + 2 nc off 2 nc o	oft 2 no + 2 nc oft	Ш	RAB18 - 230 volt 2 no + 2 nc	1			+	-		+	_
oft 2 no + 2 nc oft 2	oft 2 no + 2 nc oft coil oft		RAB25 T11 - 230 volt 2 no + 2 nc	-			1			+	\top
oft 2 no + 2 nc b) to oil It is	off 2 no + 2 nc it coil it c	l i	RAB35 T11 - 230 volt 2 no + 2 nc				-			1	T
sit coil 1 6 6 6 Interceil 1 1 1 1 Interceil 1 1 1 1 1 Interceil 1 1 1 1 1 Interceil 1 1 1 1 1 1 Interceil 1 <	sit coil 1 6 6 6 Intercoil 1 1 6 6 6 Intercoil 1 1 6 6 6 6 Intercoil 1 1 1 6 </td <td></td> <td>RAB45 T11 - 230 volt 2 no + 2 nc</td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>_</td>		RAB45 T11 - 230 volt 2 no + 2 nc	-			-				_
off coil 1 6 6 6 6 off coil 1 6 6 6 6 6 off coil 1 1 6 6 6 6 6 off coil 1 1 6	olt coil 1 6 6 6 7 7 soft coil 1 <td>l W</td> <td>RAB60 T11 - 230volt coil</td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>+</td> <td>\neg</td>	l W	RAB60 T11 - 230volt coil	-			-			+	\neg
11 coll 1 <t< td=""><td>olt coil 1 6 7 7 7 Actit coil 1<!--</td--><td></td><td>RAB70 T11 - 230voit coil</td><td>+-1</td><td></td><td></td><td></td><td></td><td></td><td>+</td><td>Т</td></td></t<>	olt coil 1 6 7 7 7 Actit coil 1 </td <td></td> <td>RAB70 T11 - 230voit coil</td> <td>+-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td>Т</td>		RAB70 T11 - 230voit coil	+-1						+	Т
1	1 1 <td>1</td> <td>RAB80 T11 - 230volt coil</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>+</td> <td>Т</td>	1	RAB80 T11 - 230volt coil						-	+	Т
1	1		RAB100 T11 - 230volt coil	H			-		1	-	_
1	1 1 <td></td> <td>Overloads</td> <td>1</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>+</td> <td>_</td>		Overloads	1			-			+	_
1	1	ш	Riken 7 - 10 amp	1			-			+	_
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		Riken 9 - 13 amp	T-						+	1
1	1		Riken 12 - 18 amp	1						+	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		Riken 23 - 32 amp	FF			L			+	_
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 <td></td> <td>Riken 30 - 40 amp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>+</td> <td>_</td>		Riken 30 - 40 amp	1					-	+	_
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1		Riken 37 - 50 amp	н						-	_
1 1	1 1 1 1 1 1 1 1 1 1 1 1 <td></td> <td>Riken 48 - 65 amp</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td>-</td>		Riken 48 - 65 amp	1						+	-
Total R R R R	1		Riken 55 - 70 amp	1		L			-	+	
Total R R R R	Total R R R R R		Riken 63 - 80 amp	1						-	_
Total R R R R R	Total R R R R R R R R R R R R R									-	1
Total R R R R R	Total R R R R R	- 1								-	
Total R R R R R	Total R R R R R								-		-
TOTAL IN THE REPORT OF THE PERSON OF THE PER	. 3 year periot Total R										
	3 year periot Total	1		_	4		<u> </u>	4	× (¥	-

1	Solar								
ps on either side on either side on either side on either side 1 1 1 1 1 Polycrystalline solar cell 156 x 78 mm 11.6 kg Connectors and 11	Steel Battery Cabinet	-				+			
Son either side	32 x 102ah Batteries			-	+				
So on either side on either side on either side 1 1 1 1 1 1 1 1 1 1 1 1 1	Mild steel, Powder coated				-	-			
Description of the state of the	Battery Cables - Yes		-			1			
on either side on either side 1 1 1 1 1 1 1 1 1 1 1 1 1	Circuit breaker - Yes								
So neither side on either side 1 1 C, C	Solar Panel Mounting steel Rail	1		-	+				
ps on either side on either side 1 1 c, c	0.8mm Galvanized rail for solar panels				-	-			
on either side on either side 1 C, C, C, Cal. 156 x 78 mm 72 (4 x 18) 140 x 670 x 35 mm 11.6 kg Connectors and 11.1 kg Connectors and 11 m cables 1 m cables 1 connectors and 1 m cables 1 connectors and 1 m cables 1 connectors and 1 m cables 1 m cables 1 m cables 1 rotal R R R R R	Length; 6m				-		-		
on either side on either side 1 C, C, C, C, C, C, C, C, C,	Slot: 25 x 11 x 6mm						+		
on either side on either side 1 c, c, c, c all 156 x 78 mm 72 (4 x18) 72 (4 x18) 73 (4 x18) 11.6 kg Connectors and Im cables Im cables Im cables Total R R R R R	Battery Cable								
on either side on either side 1 c,	500mm long, 35mm2 Battery Cable with 8mm Lugs				-				
on either side	Please note: this is a single 35mm2, 500mm long cable only with 8mm lugs on either side						-		
on either side	2.5m long, 35mm2 Battery Cable with 8mm Lugs								
C,	able only with 8mm lugs								
C,	Cable Connector	rel			-				
Cell 156 x 78 mm Total 16 kg Connectors and III.6 kg Connectors and III.6 kg Connectors and III.6 kg Connectors and III.6 kg Total R R R R R	1 X MC4 Single Cable Connector = 1 X Male + 1 X Female				-		-		
Cell 156 x 78 mm Total 180 x 670 x 35 mm 11.6 kg Connectors and Im cables Total R Total R R R R R R R R R R R R R	MC4 Branch Connecter is used for safe and simple parallel or series								
Cell 156 x 78 mm 72 (4 x 18) 11.6 kg Connectors and 11.6 kg Connectors and 11.6 kg Total R R R R R	connection of PV-modules								
Coll 156 x 78 mm 72 (4 x18) 1	High current and voltage carrying: 30A, 1,000DC					-			
. Polycrystalline solar cell 156 x 78 mm 72 (4 x 18) . 1480 x 670 x 35 mm 11.6 kg Connectors and Im cables Im cables Total R R R R R	Excellent plastic material, UL 94-V0, wide temperature range: -40°c to 90°c,								
Polycrystalline solar cell 156 x 78 mm	weather and UV resistant for long-time outdoor application								
Polycrystalline solar cell 156 x 78 mm 72 (4 x 18) • 1480 x 670 x 35 mm 11.6 kg Connectors and 1m cables Total R R R R R									
AL CHARACTERISTICS Polycrystalline solar cell 156 x 78 mm 72 (4 x18) · 1480 x 670 x 35 mm 11.6 kg Connectors and Im cables Total R R R R R R	120 Watt High voltage Solar Panels used for borehole pumps and	П							
VERAL CHARACTERISTICS Polycrystalline solar Cell 156 x 78 mm Cell 15	High voltage solar swimming pool pumps								
Polycrystalline solar cell 156 x 78 mm 72 (4 x 18) Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.6 kg Polycrystalline solar Polycrystalline solar . 1480 x 670 x 35 mm 11.	GENERAL CHARACTERISTICS								
cell 156 x 78 mm 72 (4 x18) • 1480 x 670 x 35 mm 11.6 kg Connectors and Im cables Total R R R R R R									
72 (4x18) 1480 x 670 x 35 mm 11.6 kg Connectors and Im cables Total R R R R R	cell 156 x 78 mm								
. 1480 x 670 x 35 mm 11.6 kg Connectors and Im cables Total R R R R R									
11.6 kg Connectors and 1m cables Total R R R R R A war notice Total R R R R A war notice Total R									
Connectors and									
1m cables Total R R R R									
Total R R R R R R R	1m cables								
3 year pariot Total D									
	Page 45				3 year per	iot Total	: -	4	

Normal Operating Cell Temperature 800W/m ²								
	48°C ± 2°C							
Irradiance, 20° C, AM = 1.5								
Power Temperature Coefficient	- 0.5%/K							
Current Temperature Coefficient	0.035%/K							
Voltage Temperature Coefficient	- 0.37 MV/K							
ELECTRIC PERFORMANCE AT STC *								
Maximum Power	120 W							
Power Tolerance	0/+5 Wp							
Maximum Power Voltage	36 V							
Maximum Power Current	3,33 A							
Open Circuit Voltage	44.8 V							
Short Circuit Current	3.92 A							
*Standard Test Conditions: 1000W/m² irradiance, 25°C and AM	adiance, 25°C and AM = 1.5							
FIMILS				_				
Operating Temperature	- 40°C to 85°C							
Maximum System Voltage	1000V DC							
195 Watt High voltage Solar Panels used for borehole pumps and	imps and	1						
High voltage solar swimming pool pumps								
GENERAL CHARACTERISTICS	USTICS							
Polycrystalline solar cell 156 x 104 mm	Cell							
72 (6 x12)	No. of Cells							
1320 x 990 x 35 mm	Panel Dimensions							
14.5 kg	• Weight							
Connectors and 1m cables - Connectors and Cables	ectors and Cables							
THERMAL CONDITIONS	ONS							
Normal Operating Cell Temperature 800W/m ²	48°C ± 2°C							
Irradiance, 20°C, AM = 1.5								
Power Temperature Coefficient	- 0.5%/K							
Current Temperature Coefficient	0.035%/K							
Voltage Temperature Coefficient	- 0.37 MV/K							
		Total D				٥		٥
		_	4	1	4	_	2	~

ELECTRIC PERFORMANCE AT STC	MAINCE AT SIC *						
Maximum Power	195 W						
Power Tolerance	0/+5 Wp				-		
Maximum Power Voltage	36.3 V						
Maximum Power Current	5.37 A						
Open Circuit Voltage	45.5 V						
Short Circuit Current	5.75 A						
*Standard Test Conditions: $1000W/m^2$ irradiance, $25^{\circ}C$ and AM = 1.5	n² irradiance, 25°C and AM = 1.5						
LIMITS	IS						
Operating Temperature	- 40°C to 85°C						
Maximum System Voltage	1000V DC						
Inverters							
3500W Solar Charger, 6KW Hybrid Grid tie inverter with battery backup	ttery backup				<u> </u>		
inverter with battery backup							
DC input data	data						
Max. recommended PV power	8000W						
Start voltage	150V						
PV voltage range	120V-550V						
MPP voltage range/nominal voltage	150V-550V /360V						
Max. input current of tracker A/B	12A/12A						
Number of MPP per MPP tracker trackers / strings	2/1						
AC Output	, , , , , , , , , , , , , , , , , , ,						
Rated AC output power	W0009						
Max. AC apparent power	6000VA						
Max. output current	27A						
Nominal AC output voltage; range	ange 230V; 180Vac-280Vac						
Nominal grid frequency; range	50,50±5Hz						
Power factor at rated power	1						
Displacement power factor 0.8lead	0.8leading0.8lagging*						
IGHT	<3%						
AC output power(Backup)	er(Backup)						
Max, output power	3000W						
Rated AC output voltage	230Vac						
Rated AC output frequency	20Hz						
		Total R	R R	ద	æ	Z.	~
	!!						

Automatic Switchover time	<0.55	
Battery data		
Battery voltage range	42~59V	
Max, charging voltage	58V	
Max charging and discharging current	66A	
Max charging and discharging power	3000W	
Battery type Lithium-ion /Lead-acid		
Deep of discharging	80%DOD/50%DOD	
Capacity of battery	3~12kWh	
Efficiency		
Max, efficiency	97.5%	
Euro European efficiency	97.1%	
MPPT efficiency	99.5%	
Protection devices		
DC reverse polarity protection	Yes	
Battery reverse protection	Yes	
Output over current protection	Yes	
Output over voltage protection	Yes	
Ground fault monitoring	Yes	
Integrated all - pole sensitive leakage	Yes	
General Data		
Dimensions (W / H / D) mm	547 X 516 X 170	
Weight	. 26KG	•
Operating temperature range	-25°C +60°C	
Noise emission (typical)	< 25 dB(A)	
Altitude	2000m	
Self-Consumption	< 4 W	
Inverter Topology	transformerless	
Cooling concept	Natural	
Environmental Protection Rating	IP65	
Relative humidity	100%	
DC connection	MC4/H4(opt)	
Interface:RS485/USB/CAN/WIFI/GPRS	yes /yes /opt/opt/opt	
Display	TCD	
		c c

d preventing overcharge Steps Total R R R R R R R R R R R R R R R R R R R	3Kw Advanced Energy 1.TL3.0 Single Phase Inverter			-			-	
1	DC Data			-				
Page 49 Page 49 Page 49	Recommended max. PV power (kWp): 3.8		-	+		-		
eventing overcharge 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MPPT range (V): 270 – 500			-		+		
1	DC start voltage (V): 125			+	+			
-venting overcharge 1 1	Max. voltage DC (V): 600			-				
2 Vernting overcharge	Max. current DC (A): 11.5		-					
eventing overcharge Total R R R R R R R R R R R R R R R R R R R	MPP trackers; 1				-	+		
eventing overcharge	Number of DC inputs: 1 x Phoenix Sundix		-	-				
1	DC disconnection switch; Yes		-			+		
eventing overcharge 1 Total R	AC Data		-	-			-	
eventing overcharge 1 Total R	AC nominal power (kW); 3.2		-			+		
aventing overcharge Total R	Max. Apparent power (kVA): 3.0						-	
aventing overcharge Total R	AC grid connection: L, N, PE		-					
eventing overcharge	Nominal power factor / range: 1/0.951 – 0.95c			-		1		
eventing overcharge	Nominal voltage AC (V): 230			-				
Averting overcharge	Voltage range AC (V): 185 – 276							
aventing overcharge 1 Page 49	Nominal frequency / frequency range (Hz): 50, 60/ 45 – 65				<u> </u>			
1	Max. Current AC (A): 14.0			-	-	1		
1	Max. THD (%): 2.0							
1	Max. Efficiency (%): 98.0					-		
eventing overcharge	European efficiency (%): 97.7				-			
1	Feed-in starting at (W): 10				-			
1	Self consumption in night operation (W): <4		-					
eventing overcharge	Crystal XI Inverter 1200 Watts (2kVA) inverter					-		
eventing overcharge Total R	Automatic line-to-battery switchover						-	
eventing overcharge Total R R R R R R R R R R R R R R R R R R R	Charge current 10Amp/20amp adjustable					 -		
eventing overcharge	Provides overload protection		-	-				
eventing overcharge Total R R R R Page 49 3 vear perior Total R	Auto restart while AC recovery					-		
eventing overcharge Total R R R R Page 49 3 vear perior Total R	Multi-function LED/LCD indications and buzzer alarms							
eventing overcharge Total R R R R Page 49 3 vear perior Total R	High efficient DC-to AC conversion, minimizing energy loss					-		
Page 49 Total R R R R	Intelligent 2 - stage charger control for efficient charging and preventing overcharge			-				
Total R R R R R R R R R R R R R R R R R R R	Super efficient, DC to AC conversion, minimizing charging losses			-				
Page 49 Total R R R R R R R R R	Input voltage range selection option							
3 vear periot Total R	Fully automatic start operation	~	~	œ	œ	α	<u>~</u>	
	Page 49			3 vear per	lot Total	<u> </u>		

2000VA/1200W 220/230/240 VAC 170-280 VAC 170-280 VAC 1006 / - 1896 50 Hz or 60 Hz + - 1 Amp 24V +/- 0.4V 29V +/- 0.4V 20V	High frequency technology	nology								-	-
Thirding or created protection Thirding town States The Control of Protection	Compact size and lig	ht weight						-		-	
19 8 controlled (green device) 170-280 VAC	Provides critical over	load protection			L		-			1	+
Voltage range	Eco-friendly & non-p	olluting (green device)							1		
Voltage range	Advanced technology	y optimizes battery life									
Moninal voltage 220/230/240 VAC Motinal voltage 220/230/240 VAC Motinal voltage 220/VAC Motinage 230 VAC 18% Motinage 230 VAC 18% Motinage 230 VAC 18% Motinage 230 VAC 18% Motinage 230 VAC 20 Hz or 60 Hz Motinage Motin	Capacity	- VA/W	2000VA/1200W							-	
Woltage range 170-280 VAC Image range 170-280 VAC Image range	Input	Nominal voltage	220/230/240 VAC				-		1		
Wollage Vollage Regulation 1230 VAC Percuency Wollage Regulation 230 VAC Percuency Regulation 10% 1-18% Percuency Regulation 4/- 0.1 Rz Percuency Regulation Percuency Regulation <td></td> <td>Voltage range</td> <td>170-280 VAC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td>-</td>		Voltage range	170-280 VAC								-
Woltage Regulation 10% / - 18% Prequency 50 Hz or 60 Hz Preduction 4 - 0.1 Hz Preduction Preduction 2 - 0.1 Hz Preduction Preduction 2 - 0.1 Hz Preduction	Output	Voltage	230 VAC								-
Frequency Frequency 50 Hz or 60 Hz	(Batt Mode)	Voltage Regulation	10% / - 18%								
de) Frequency Regulation +/-0.1 Hz Preductory Regulation +/-0.1 Hz Preductory Regulation Production of Details of National Annual Protection 19 Annual Annual Protection 294 +/-0.6 VF aut Production of National Protection 295% R-20ms R-		Frequency	50 Hz or 60 Hz					-			
Output Waveform Modified Sinewave In Anny +1-1 Anny Anny +1-1 Anny In Anny +1-1 Anny In Anny +1-1 Anny In Anny Anny Anny Anny Anny Anny Anny An	(Batt Mode)	Frequency Regulation	+/- 0.1 Hz			L			<u> </u>		
Chargee Current 10 Amp + j- 1 Amp In Amp + j- j- j- 2 Amp + j- j- j- 2 Amp + j- j- j- j- 2 Amp + j-		Output Waveform	Modified Sinewave						1	 	
DC Voltage Protection	Charger	Charger Current	10 Amp +/- 1 Amp						-		
Time Overcharge Protection 299 + /- 0.6V Fault 6 6 6 6 6 6 6 6 6 6 6 6 7		DC Voltage	. 24V +/- 0.4V							-	
Time Typical 8-20ms 6 7 8 8 1 8 9 8 9 8 9		Overcharge Protection	29V +/- 0.6V Fault			-				-	
AC to DC >95% PC to AC >80% PC to AC >80% PC to AC PC to AC >80% PC to AC PC to AC <td>Transfer Time</td> <td>Typical</td> <td>8-20ms</td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td> </td> <td></td> <td></td>	Transfer Time	Typical	8-20ms					<u> </u>			
DC to AC >80% PC to AC AC Mode Green LED PC to AC PC to AC Mode Green LED PC Mode PC MOD PC MODE	Efficiency	AC to DC	>95%				-				
AC Mode Green LED Battery Mode Yellow LED Battery Charging Mode Green LED Flashing every 2 seconds Proceeding Coverload Red LED Flashing every 0,5 seconds Proceeding Eault Red LED Warning Low Battery! Alarm Sounds Over 80% DOD every 2 seconds Overload Alarm sounds Eault Alarm Continuous Partial Protection Discharge, Overcharge and Overload Lightening Min/No Protection Surges, Spikes, Lightening Total R Rege S0		DC to AC	>80%				-				
Battery Mode Yellow LED Flashing Percent LED Flashi	Indicator	AC Mode	Green LED								-
Battery Charging Mode Green LED Flashing Plant		Battery Mode	Yellow LED						<u> </u>		
Overload Red LED Flashing Peault Red LED Peault		Battery Charging Mode	Green LED Flashing					-		-	
Overload Red LED Flashing Red LED Flashing Red LED Fault Red LED Red			every 2 seconds								
Fault Red LED Marming Low Battery! Alarm Sounds		Overload	Red LED Flashing								
Fault Red LED Marm Sounds 6 6 7			every 0,5 seconds								
Warning Low Battery! Alarm Sounds Alarm		Fault	Red LED								
Overload Alarm sounds	Alarm	Warning Low Battery!	Alarm Sounds								
Overload Alarm sounds		Over 80% DOD	every 2 seconds								
Fault Alarm Continuous		Overload	Alarm sounds								
Fault Alarm Continuous			every 0,5 seconds							-	
Partial Protection Discharge, Overcharge And Overload And Overload <t< td=""><td></td><td>Fault</td><td>Alarm Continuous</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td></t<>		Fault	Alarm Continuous					_			
and Overload Surges, Spikes, Total R R R R Page 50 3 wear perior Total R R R R	Protection	Partial Protection	Discharge, Overcharge								
Surges, Spikes, Lightening Total R R R R Page 50			and Overload								
ng Total R R R R R R R		Min/No Protection	Surges, Spikes,								
3 voar norior Total D			Lightening	Total		~	~	~	~	2	<u>~</u>
			Page 50					3 vear per	iot Total	2	

Environment		C21 A C01 A CCC	_					
	Net Weight Kgs	67 Kgs						
	Operating Environment	0-25°C Recom						
		25°-40°C Max						
		0-90% Relative						
		Humidity						
		Non Condensing						
	Noise Level	<55 dB when charging						
5kW Bi-Direc	ctional Pure Sine Wave Inv	5kW Bi-Directional Pure Sine Wave Inverter with Charger: Solar Inverter	-					
	INPUT							
Nominal Voltage		48 Vdc						
Acceptable Voltage Range		40-60 Vdc						
Maxi Input Amps		125						
Standby Power (manual mode)	e)	60 watts						
Standby Power (search mode)	e)	20 watts						
	TUTPUT							
Voltage		220 Vac						
Amps		22 amps						
Voltage range		< 3 % RMS for entire						
		battery voltage range						
Frequency		50Hz						
Frequency Regulation		± 0.1Hz						
Power Factor		1						
Wave Form		Pure Sine Wave						
Efficiency		90 % @ 90% Foad						
Overload Protection		Circuit Breaker / Programmable						
		Overload levels and Auto Retry						
	CHARGER	IR						
Float Voltage		55.2						
Boost Voltage		57.2V-62.0V						
Boost Time		Selectable 1, 2, 3 hours						
Maximum Current		50 amps						
Generation Mode		Depending on the						
		generator power available.						
			Total R R	~	œ	Z.	R	
		Page 51			3 vear periot Total	int Total		

DS minc lted	Fuse-switch-disconnector KETO size 00 body (battery isolator)	e 00 body (battery isolator)						_	L	
90 - 90 - 90 - 90 - 90 - 90 - 90 - 90 -	Maximum DC current ≈ 160A						-		-	
Secretary Secr	DC voltage rating: 440V					-			-	
usp with cable area from 25-95mm2 3 Strings Dulss 3 Strings Dulss 150 VOC 1 1337 at 250°C 150 VOC 1 1537 at 250°C 150 VOC 1 1537 at 250°C 150 VOC 1 1537 at 250°C 150 VOC 1 10mm² 6mm² 1 10mm² 10mm²	Overall width: 106mm System size: 195mm			-						
## SPECIFICATIONS 3 Strings 1.35V at 25°C 1.50 VoC at per series string 2.5A cennic 1.00m² 1.00	Terminals: M8 lugs with cable area from 25-95mm2			-			1		-	
3 Strings 3 St	SPECIFICATI	SNOI				-		1	1	
1.387 at 259C 1.530 at 259C 2.54 ceranic 2.554 ceranic 2.50 ceranic 2.50 ceranic 2.50 ceranic 2.50 x 300 x 130 mm Terminals (AAD) 2.50 x 300 x 130 mm 38g AND RELATED TOOLS AND MATERIAL 1.50 x 1.50 m AND RELATED TOOLS AND MATERIAL 1.50 x 30 x 1.50 m 1.50 x 30 x 1.50 m 2.50 x 30 x 1.50 m 2.50 x 30 x 1.50 m 2.50 x 30 x 1.50 m 3.50 x 30 x 1.50 m 3.50 x 30 x 1.50 m 4.50 x 30 x 1.50 m 2.50 x 30 x 1.50 m 3.50 x 30 x 1.50 m 3.50 x 30 x 1.50 m 4.50 x 30 x 1.50 m 3.50 x 30 x 1.50 m 4.50 x 30 x 1.50 m 3.50 x 30 x 1.50 m 4.50 x 30	ΓΛ	3 Strings				+				
1350 at 259C 1130 at 259C 1100 25A ceramic 6 firm 2 6 firm 3 100 mm²	No. of String Inputs	m								
AND RELATED TOOLS AND MATERIAL 2.6. ceronic 3.6. ceronic 3.7. ceronic 3.7. ceronic 3.7. ceronic 3.7. ceronic 3.8. ceronic	Max PV Input of 135V at 25°C	150 VOC								
SSA Ceremic SG mm ² G mm ²	Max Input Current per series string	10A						1		
10mm ² 10mm	Fuse Rating	25A ceramic			-	<u> </u>				
10mm² MC4	Input Cable Size	6mm²			-					
MC4 On Rail Mounted	Output Cable Size	10mm ²							-	
### Sail Mounted Terminals #### Mounted Terminals ###################################	Input Connection	MC4								
### Total RELATED TOOLS AND MATERIAL Terminals 3kg #### Selox 300 x 130 mm 3kg ### Bulb Related Teol S and MATERIAL Page	Output Connection	Rail Mounted				\vdash				
WAD) 9th bulbs 1 1 1 2 2 3kg 2 3 3 3 4 5 6 6 7 8		Terminals							-	
9kt bulbs 3kg <td< td=""><td>Dimensions (HxWxD)</td><td>260 x 300 x 130 mm</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></td<>	Dimensions (HxWxD)	260 x 300 x 130 mm							-	
abtt builbs AND RELATED TOOLS AND MATERIAL AND RELATED TOOLS AND MATERIAL Total R R R R R R	Weight	3kg					-			
ght bulbs AND RELATED TOOLS AND MATERIAL Total R R <td></td>										
AND RELATED TOOLS AND MATERIAL. Total R R R R R R	Rechargable light bulbs			-	-		+			
AND RELATED TOOLS AND MATERIAL Total R R R R R R R				+	-		-	1		
AND RELATED TOOLS AND MATERIAL Total R R R R R R	Bulb LED E/S				+		+			
AND RELATED TOOLS AND MATERIAL Total R R R R R R	Bulb LED B/C						-	+	-	
Total R R R R R	Bulb LED G/U10						-			
Total R R R R R										
Total R R R R R										
Total R R R R R										
Total R R R R R										
Total R R R R										
TOTAL K K K K K K K K K K K K K K K K K K K	AND REI ATED TOOLS A	AND MATERIAL	F							
		Date 12			¥		¥	~	~	œ



DEPARTMENT OF PUBLIC WORKS REPUBLIC OF SOUTH AFRICA Electrical Tools

8	TIEM DESCRIPTION	CRIDITON	Qty per	Unit	1St	Chit	2nd	Unit	3rd	Grand
			Year	Price	12 Months	Price	12 Months	Price	12 Months	Total
	Fully Insulated Combination Pliers	All sizes	1							
	Fully Insulated Long Nose Pliers	200mm	1							
	Fully Insulated Diagonal Side Cutters	All sizes	1							
	Fully Insulated Wire Stripping Pliers	160mm	-							
	Fully Insulated Alligator Water pump Pliers	250mm	1							
	Long Nose Pliers	All sizes								
	Angled Long Nose Pilers	All sizes	п							
	Fully Insulated 'S' Range Cable Knife	180mm								
	Fully Insulated Precision Tweezers	145mm	-							
	Fully Insulated 'S' Range		1-1							
	Junior Hacksaw Frame									
	70° Flat-Round Mechanics Pliers	200mm	1							
	CoBolt® Compact 20° Angled Head Bolt	200mm	1							
	Cutters with Sprung Handles									
	Fully Insulated Round Nose Pliers	160mm								
	Copper and Aluminium Cable Shears	200mm								
	Extra High Leverage End Cutting Nippers	200mm	11							
	Duck Bill Pliers	160mm	F							
	Flat Nose Assembly Pliers	200mm	1							
	Ratchet Action Telescopic Cable Shears	570-770mm	1							
	Coaxial Cable Stripper	105mm	1							
	Electronics Super-Knips	125mm	Ħ							
	Electronics End Cutting Nippers	115mm	1							
			Total R		R	~	R	~	ж ж	

3 year periot Total

20 The state of th	Precision Internal Circlip Pliers Straight	All sizes	71			=	
All Sizes	Precision Internal Circlip Pliers 90° Tips	All sizes	-				
All Stress	Precision External Circlip Pliers Straight	All sizes	1				
All Stress \$ 4505 (24cx) \$ 5005 (32cx) \$ 1 1 1 1 1 1 1 1 1 1	Precision External Circlip Pliers 90° Tips	All sizes	Ţ			-	
All Sizes	Internal Circlip Pliers Straight	All sizes	1				
ss 450g (1602) 1 680g (2402) 1 7 1	External Circlip Pliers 90° Tips	All sizes	1			-	
850 (340z) 1 600 (320z) 1 1 (30z) 1 600 (320z) 1 1 (1) 1 600 (30z) 1 1 (1) 1 60 (200 mm/s².1/2) 1 60 (200 mm/s².1/2) 1 (1) 1 1 1 1 0 (200 mm/s².1/2) 1 1 1 1 1 (250 mm/s².1/2) 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 mm/s oft Grip 1 1 1 1 2 (25 x 4 10mm 1 1 1 1 2 (25 x 60mm 1 1 1 1 1 3 (25 x 60mm 1 1 1 1 1 4 (27 mm/s) 1 1 1 1 1 5 (27 x 60m	Carbon Fibre Shaft Ball Pein Hammers	450g (16oz)	1				
900g (3202) · .		680g (24oz)	1				
lkg (2.2lb) 1		900g (32oz) ·					
1	Dead Blow Harnmer	1kg (2.2lb)	200				
1	680g (24oz) Soft Faced		1				
Elue, Red, Yellow	Hammer		-				
Biue, Red, Vellow	30M Chalk Line		1				
0-140mm/5.1/2	Chalk for Chalk Lines	Blue, Red, Yellow	1				
0-200mn/8" 1 150,300,200,200,250mm 1 225mm Soft Grip 1 225mm Soft Grip 1 1 1 225mm Soft Grip 1 1 1 DDY Series 220mm 1 250 x 19mm 1 250 x 19mm 1 250 x 19mm 1 250 x 19mm 1 1 1 250 x 19mm 1 1	Vernier Calipers	0-140mm/5.1/2	1				
150,300,200,250mm Soft Grip 1 225mm Soft Grip 1 225mm Soft Grip 1 1 1 DIY Series 220mm 1 1 1 DIY Series 220mm 1 1 1 220 x 60mm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0-200mm/8"	1				
225mm Soft Grip 1 1	Soft Grip Adjustable Wrenches	150,300,200,250mm	1				
225mm Soft Grip 1 1		225mm Soft Grip	F				
225mm Soft Grip 1 1	Straight Jaw Self Grip Pliers		1				
1 1		225mm Soft Grip	1				
1 1	Curved Jaw Self Grip Pliers		1				
DIY Series 220mm 250 x 19mm 250 x 19mm 1 220 x 60mm 1 1 11 12 13 14 15 15 16 17 18 19 19 10 10 11 11 11 11 11 12 13 14 15 15 16 17 18 18 19 19 19 19 19 19 19 19	61 piece Security Bit Set		1				
DIY Series 220mm 250 x 19mm 220 x 60mm 1 11 11 12 13 anner Set 11 11 11 11 11 11 11 11 11	Series		1				
250 x 19mm	Retractable Trimming Knife	DIY Series 220mm	1				
250 x 19mm 1 6 7 7 220 x 60mm 1 7 7 7 anner Set 1 7 7 7 17. 18.19. 20. 1 7 7 7 1mm 200mm / 8 inch 1 7 8 8 8 8 8 Page2 7 7 8			1				
1	Brick Bolsters with Hand Guard	250 x 19mm	1				
220 x 60mm 1 1 anner Set 11 11 12 13 14 15 16 17 18 17 18 18 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19			1				
1	Cold Chisel with Hand Guard	220 x 60mm	П				
anner Set 1 1			1				
anner Set 1 1	Electricians Bolster with Hand Guard		1				
17. 18.19. 20. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Neilsen 25pc 6-32mm Combination Spanner Set	et.	1			-	
200mm / 8 inch 1 1 R R R R R R R R R R R R R R R R R	6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.19.	. 20.	1				
200mm / 8 inch 1 R	21. 22. 23. 24. 25. 26. 27. 28. 30. 32mm		F				
Total R R R R R R R R R R R R R R R R R R R	Spring Caliper Inside, Outside, Divider	200mm / 8 inch	1				
3 year neriot Total D			R	~	~	~	2
		Page2		3 vear perio	r Total	2	

Tin Snips Set	Зрс	1				_		
43 Piece Socket Set	6-22mm	1-1						
Professsional Quality 20-30 AWG Wire Strippers1	٠							
Forged Metric Tube Spanner Set	13Pc,	-					-	
Scriber	3-1/2 to 7in.	1					-	
Try square plan		-					F	
Conduit bender with handle	EMT3/4						-	
Hand Hydraulic Pipe Bender 50NB Cap.		ᆏ					-	
Tools 8-Piece Spring-Type Tube Bender Set		FI					-	
12-200mm Chain Pipe Vice							-	
Pipe Vice Outfit		-					-	
Starrett Standard Size Combination Squares	Satin Finish 12" Rule,							
0-33-553 Powerlock Tape Measure	5m/16ft							
Stainless Steel Metal Ruler Rule	12" 300mm & 6" 150mm							
Spirit Level STB-70-2-2-180	180cm							
Oxygen Multi-Stage Regulator								
Acetylene Multi-Stage Regulator		H						
Universal® Cutting Torch 500 mm - 90 deg								
Flashback Arrestor F7		H						
Torch Mounted								
Acetylene Hand Cutting	– A-NM6	-						
Acetylene Machine Cutting	- A-NM6							
LPG Cutting	- P-NM							
type 2 Torch Welding	Cutting Nozzle – A-FN	₩						
PortaPak								
Complete PortaPak with Accessory Kit								
Acerylene cylinder - INCLUDED								
Oxygen cylinder - INCLUDED								
Type 2 Economy Outfit	Pre-Packed Hose 5 mm PortaPak							
Cut-to-Length Handigas Hose (Neoprene)	Pre-Packed Hose 8 mm Industrial	1						
Hose Connection Kits		7-1						
'O' Clips								
Parallel Clips								
With all accessories and included Argon bottle.	ā							
		Total	۳ ۳	ĸ	~	~	~	R
	Page 3 .				3 year periot Total	Total	~	

Similar control of the control of th		1						
Hose Connection Nuts		1						
Flux Brazing M15								
Easy-Flo (Ordinary Grade)								
Welding Goggles Lift-Front (Shade 4)								-
Afrox Hush Disposable					1			
Uncorded Earplug Box		1-1						
Red Heat Resistant Gloves	•						-	
Dust Mask Valve FF2 P.Box		1						
3M Respirator Facepiece								
Helmet AOX Elite XL								
Self-Darkening		1						
Electronic Lens for Afrox								
Industrial						-		
Leather Apron					<u> </u>			
Triple Flint Spark Lighter						1		
Nozzle Cleaners (Standard)								
Electrode Holder								
TRC - Jackson Type								
Chain Block 5 Tonne Engine Lifting Gear		1					-	
High Tensile Stainless Steel D Shackles		1						
SILVERLINE CARGO SLINGS 2 TON		1						
Consumables								
Earth Clamps for dry conditions	50-75mm 12-32mm	1					-	
	32-50mm							
COFFING JLC TROLLEY SUSPENSION	1 TON	-						
ELECTRIC CHAIN HOIST,		F						
Earth Clamps for all conditions	12-32mm 50-75mm							
Wire Brush Set Auto Engineer's 3pc		1						
welding chipping hammer with brush		1					-	
Digital Voltmeter Ohmmeter Ammeter Multimeter								
OHM DC AC Voltage Current Tester		н						
Pulse generator With all accessories	25 - 50 MHz	7-1						
OSCILLOSCOPE "HAMEG" HM507	SOMHZ	1						
		Total R	꼰	~	α.	~	~	2
								11

ANALOGIQUE/NUMÉRIQUE With all accessories		-	-					ŀ	-	
Frequency counter	With all accessories									
Electrical power supply	With all accessories					-			1	
UT71E Intelligent Digital Multimeters Uni-T			-							
Insulation resistance and continuity tester	100 - 4000 MΩ		-			-				
With all accessories						_		-		
Intelligent Earth Resistance Tester									+	
Meter USB2.0 Port with 2 Clamps and 4 Current	ıt									
Leakage kit - With all accessories									-	
AC/DC Voltage and DC Polarity Tester								-		
With all accessories						-			+	
Phase and Motor Rotation Test Set	Weight 3-1/2 lbs									
Chauvin arnoux CA6030	50V/100V/250V/500V/1000V		1			<u> </u>	-			
Digital RCD/loop PSC tester							-	-		
With all accessories						-		1		
Insulation Testers										
Earth Clamp - Crocodile	150,300,600 A							-	1	
Refrigerants	10.0 50.0KG							-		
Refrigerants	13.6 ,10.0 ,59.0,785.0KG		+-4						-	
Refrigerants	13.6,10.0,60.0,850.0 KG		1						1	
Laser Gas	8,5 kg cylinder		1					-		
	15x11,5 kg MCP		1							
								-		
		T effort	- E	٥					c	
	Page 5		_	4	4	۷.	<u>∠</u> -	× (¥	
	7 777					3 year periot lotal	ot lotai	~		

Angle grinder			
Angle grinder	1,400W		
Depressed Centre Wheel	125mm		
Abrasive Disc	125mm		
Diamond Wheel	125mm		
No Load Speed	2,800 -12,000 r/min		
Net Weight	2,4kg		
Power Supply Cord	2.5m		
Angle grinder			
Angle grinder	2,600W		
Depressed Centre Wheel	230mm		
Wire Cup Brush	110mm		
Cut-off Wheel	230mm		
No Load Speed	6,500 r/min		
Net Weight	6.7kg		
Power Supply Cord	2.5m		
Straight grinder	1		
Straight grinder	750W		
Wheel Diameter	125mm		
Hole Diameter	20mm		
No Load Speed	5,600r/min		
Net Weight	5.0kg		
Power Supply	Cord 2.5m		
Die grinders			
Die grinders	400W	-	
Collet Capacity	6.35mm		
No Load Speed	25,000 r/min		
Net weight	1.7kg		
Power Supply Cord	2.5m		
Small circumference housing			
for easy handling			
Insulation Tape			
Pack of 8 Mixed Colours black , white , red ,yellow	, 10M x 19mm 1		
green , blue ,grey, brown			
	Total R R R	R R	
	7		

3 year periot Total

Die grinders Collet Capacity Optional Collet	750W							
Collet Capacity Optional Collet						_		
Optional Collet	6.35mm							
	(6mm or 8mm)							
Max. Bit Dia.	50mm							
No Load Speed	1,800 - 7,000 r/min							
Net Weight	1.7kg							
Power Supply Cord	2.5m							
With high torque, ideal for grinding								
internal surfaces removing paint etc.								
using flap wheel discs.								
Impact drills (with hammer action)		Н						
Impact drills	710W							
Concrete	16mm							
Steel	13mm							
Wood	30mm							
No Load Speed	0 - 3,200 r/min							
Impacts per Minute	0 - 48,000							
Net Weight	2.1kg							
Power Supply Cord	2m							
High power motor.								
Impact drills								
Impact drills Heavy Duty Variable Speed R&L 2-Speed	peed 1,010W							
Concrete	20mm							
Steel Hi: 8mm Lo:	16mm							
Wood Hi: 25mm Lo:	40mm							
No Load Speed Hi:	0 - 2,900 r/min							
Lo:	0 - 1,200 r/min							
Impacts per Minute Hi:	0 - 28,000							
Lo:	0 - 24,000							
Net Weight	2.5kg						-	
Power Supply Cord	2.5m							
Power in a slender & compact body.								
	•	F				t		
		lorar	X X	× X	¥	~	~	R
	Page 7				3 year periot Total	ot Total	R	

Longith of Stores Cann Cann Longith of Stores Cann	JIG SAWS & RECIPRO SAWS		F			-	
1 1	JIG SAWS	720W					
1 1	Length of Stroke	26mm					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Max, Cutting Capacities						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	In Wood at	90° 135mm					
1	In Steel at	90° 10mm					
1 1	Strokes per Minute	800 - 2,800					
	Net Weight	2.6kg					
intes 3 Core 3 Core 3 Core 6 Mm Total R R R R R R R R R R R R R R R R R R R	Power Supply Cord	2.5m					
infes 3 Core 3 Core 3 Core 6 Mm Total R R R R R R R R R R R R R R R R R R R	Recipro Saw, Orbital		,-4				
1 1	Recipro Saw, Orbital	1,510W				-	
1 1	In Pipe	130mm					
1 1	In Wood	255mm					
1 1	Length of Stroke	32mm					
3 Core 3 Core 3 Core 5 Core 6 Core 7	Strokes per Minute	0 - 2,800					
1	Net Weight	4.6kg					
1	Power Supply Cord	2,5m					
Total R R R R R R R R R R R R R R R R R R R	Rotary hammers drill		П				
3 Core 3 Core 5 Core 5 Core 6 Core 7	Rotary hammers drill:19.7 Joules	1,500W					
3 Core 3 Core 3 Core 4 Core 5 Core 5 Core 6 Core 6 Core 7	2 Operation Modes :						
3 Core 3 Core 3 Core 4 Core 5 Core 6 Core 7 Core 8 Core 7 Core 8 Core 8 Core 8 Core 9 Core 9 Core 9 Core 1	Hammering with rotation (for drilling)						
3 Core 3 Core 3 Core 4 Core 5 Core 6 Core 7 Core 8 Core 7 Core 8 Core 8 Core 9 Core 9 Core 1	Hammering only (for chipping & breaking)						
3 Core 3 Core 5 Core 6 Core 7	Max. Bit Diameter	52mm					
3 Core 3 Core 5 Total R R R R R R R R R R R R R R R R R R R	No Load Speed	130 - 260 r/min					
3 Core 3 Core 7 Total R R R R R R R R R R R R R R R R R R R	Blows per Minute	1,075-2,150					
3 Core 3 Core 3 Core 3 Core 4 Core 5 Core 7 Core 7 Core 7 Core 7 Core 8 Core 8 Core 8 Core 9 Core 9 Core 9 Core 1 Core 1 Core Core 1 Core Core 1 Core Core Core 1 Core	Net Weight	12.2kg					
3 Core 3 Core 3 Core 4 Core 5 Core 7 Core 7 Core 8 Core 8 Core 8 Core 8 Core 9	Power Supply Cord	5m					
3 Core 3 Core 3 Core 1 Total R R R R R R R R R R R R R R R R R R R	High performance and low vibration.						
3 Core 3 Core 1 Core 2 Core 3 Core 1	CDP5DD Drill Press	With all accessories					
3 Core 3 Core Innm Total R R R R R R 3 year periot Total R	SWA Single Phase Armoured Cable	1.5mm2 x 25m 3 Core					
3 Core Innoversity of the Information of the Inform	SWA Single Phase Armoured Cable	2.5mm2 x 25m 3 Core					
125mm 125mm 125mm 125mm 125mm 845 x 410 x 780mm Total R R R R R R R Page 8 3 year periot Total R	SWA Single Phase Armoured Cable 4.0mm2	m					
845 x 410 x 780mm Total R R	ENGINEERS VICE	125mm				<u> </u> -	
Total R R R R R R R R R R R R R R R R R R R	3 Tier Tool Trolley	845 x 410 x 780mm					
3 year periot Total						R	∝
		Page 8		3 ye	ar periot Total	×	

		-	_				
Wheel dia. –	205mm x 19mm (8" x 3/4")					+	
Hole dia	15.88mm (5/8")				-	-	
Input –	220v				-		
Horse power –	550W						
No load speed –	2,850rpm (50Hz), 3,450rpm (60Hz)					-	-
Dimensions -	395mm x 265mm x 333mm,				-		
Net weight —	0.5kg (45.1lbs)						
Pedestal Drilling Machine		-					
Drilling Capacity	13mm						
Spindle Stroke	50mm					-	
Spindle Taper	36						
Distance from Column to Spindle	103mm					-	
Distance from Base to Spindle	419mm						
Distance from Spindle to Table	190mm						
Table Size	162mm x 162mm					-	
Tilt of Table	45 Deg					-	
Rotation of Table	360 Deg					-	
Hand or Sack Truck							
Closed height	730mm						
Extended height	1080mm						
Plate size	245 x 360mm						
Maximum capacity	90kg					-	
Unladen weight	6kg						
Heavy Duty Soft Grip Hacksaw Frame	300mm						
300mm Bi-Metal Hacksaw Blades	TPI 18,24,32						
3 piece Deburring and Chamfering	10.5mm						
Tool Set		1					
Mini Hook and Pick Set	4 piece						
Concertina Gazebos	3M x 3M					-	
Multi-Purpose Magnetic Holder	155 x 13 x 100mm					-	
Electricians Bolster with Hand Guard	225 x 60mm						
Point Chisel with Hand Guard	300 x 32mm					-	
Cold Chisels with Hand Guard	19 X 250MM						
AND RELATED TO	AND RELATED TOOLS AND MATERIAL	Total R	~	 <u></u>	_		
	0 000	7			4	۷.	۲

400mm x 20mm 400mm x 22mm 400mm x 24mm 400mm x 25mm 400mm x 30mm 400mm x 30mm 400mm x 35mm 5-piece SDS-plus chisel and hammer drill bit set 1 5-piece SDS-plus Masonry Hammer Drill Bit 210mm x 5mm 210mm x 5mm 210mm x 6mm 210mm x 12mm 210mm x 12mm 210mm x 12mm			
s chisel and hammer drill bit set			
s chisel and hammer drill bit set			
s chisel and hammer drill bit set			
s chisel and hammer drill bit set bide Tip SDS Plus Masonry Hammer Drill Bit			
s chisel and hammer drill bit set bide Tip SDS Plus Masonry Hammer Drill Bit			
s chisel and hammer drill bit set bide Tip SDS Plus Masonry Hammer Drill Bit			
s chisel and hammer drill bit set bide Tip SDS Plus Masonry Hammer Drill Bit			
s chisel and hammer drill bit set bide Tip SDS Plus Masonry Hammer Drill Bit			
s chisel and hammer drill bit set			
oide Tip SDS Plus Masonry Hammer Drill Bit			
210mm x 14mm			
210mm x 16mm			
210mm x 20mm			
210mm x 22mm			
160mm x 5mm			
160mm x 6mm			
160mm x 8mm			
160mm x 10mm			
160mm x 12mm			
160mm x 14mm			
160mm x 20mm			
110mm x 5mm 1			
110mm x 8mm 1			
Total R	R R	R	~
Page 10	3 year periot Total		

110mm x 10mm	1						
110mm x 12mm	-1						
110mm x 14mm	1						
110mm x 16mm	 						
110mm x 20mm	+4						
110mm x 22mm							
450mm x 10mm	-						
450mm x 12mm	Ŧ						
450mm x 14mm	1						
450mm x 16mm							
450mm x 20mm	-						
450mm x 22mm	1						
FibreGlass Ladders	1						
Heavy duty conductive step ladders is recommended for industrial applications wich entail							
working around electrical current. Triangular Solid PVC gusted, 115kg safe working load.	1						
6 Step: 8,3kg	1						
8 Step: 11,22kg	1						
10 Step: 13,90kg							
12 Step	-						
16 Step						-	
6.3 kVA (5 KW) Standby Petrol Generator	Н						
A petrol powered electricity generator. A good solid size to provide backup power to an							
average sized household, power generators carries a badge of surplus quality assurance.							
A machine that can be relied on, holds no equal. Sourced from the best generator supplier worldwide							
Rated Voltage: 220V (Single Phase) @ 50 hz Power Output : 6.3 kVA (5 KW)							
Current Output: 22A AVR FITTED							
DC Output: 12V 8.3A							
Engine: Electric Start (Key) & Recoil Start, Air-cooled, 4 stroke, OHV, Single Cylinder							
Aprox. Running Time: 4 - 6 Hours, Fuel Consumption: 2.2 I/ph @ Full Load							
Displacement: 389 cc, 22L Petrol Tank Capacity, Oil (SAE 30): 1.1 L,Sound Level: 71 db (A)							
Total Weight: 79KG, Dimensions (cm): 69x54x57							
	Total R	~	R	~	~	2	~

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3 year periot Total

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Demolition Bars						
1	1	Chisel Point Crowbar	1,5M					
1	1 1	Pry Bar/Nail Puller	250mm	-				
1	1 1 1 1 1 1 1 1 1 1	Soft grip pry bar set	4 piece	7-4				
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	Heel Bar	450mm	-				
25mm ad charger 1 1	25mm 25mm mm rd charger 1 1 25mm and charger 1 1 Anh bodd: 76mm Masconty: 16mm bodd: 78mm mm/ 2.3kg d charger 1 1 20 3 vear periot Total R R R R R R R R R R R R R	Wrecking Bars	450mm	+				
i. i	1		600mm	-			1	
Definition of the charger of the cha	25mm	Cordless Rotary Hammer		-				
25mm mm nd charger 1 1 25mm and charger 1 1 1 Abh	25mm 25mm mm nd charger 1 1 charger	Cordless Rotary Hammer	18V SDS+				-	
25mm mm nd charger 1 1 25mm d charger 1 1 Ah Ood: 76mm Masonry: 16mm od: 78m.m mm / 2.38g d charger 1	i. and charger 1 1	Concrete	20mm					
i. and charger 1 1	i. and charger. 1 Imm Imm Ind charger. 1 I	Steel	13mm				-	
25mm mm nd charger 1 25mm ad charger 1 1 1 1 1 1 1 2-30,000 Lo: 0-6,000 2-30,000 Lo: 0-6,000 2-31,384 1 Charger 1 Char	The charger 1 1 25mm mm rid charger 1 1 25mm rid charger 1 1 25mm rid charger 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Wood	Z6mm					
Definition of the state of the	25mm mm rid charger 1 1 25mm and charger 1 by h bood: 76mm Masonry: 16mm 1 1 by h bood: 76mm Masonry: 16mm 1 1 1 1 1 1 1 1 1 1 1 1	No Load Speed	0-1,100r/min					
Displayer 1	25mm mm nd charger 1 1 25mm md charger 1 1 dc charger 1 1 Nh ood: 76mm Masonry: 16mm mm / 2.3kg dc charger 1	Blows per Minute	0-4,000					
1	### Indicharger 1	Net Weight	3.5kg					
25mm mm nd charger 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25mm mm nd charger 1 Ind charger Ind cha	Include 2 Batteries 18V (Li-Ion 6.0A	Ah (slide battery)) with fuel gauge and charger					
25mm mm nd charger 1 1 1 1 Ah cod: 76mm Masonry: 16mm mm / 2.3kg nd charger 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25mm mm nd charger 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cordless Angle Drill		-				
25mm 25mm 4 </td <td> 25mm mm md charger 1</td> <td>Voltage</td> <td>18V 3.0Ah</td> <td></td> <td></td> <td></td> <td></td> <td></td>	25mm mm md charger 1	Voltage	18V 3.0Ah					
mm nd charger 1 6 6 6 6 6 6 6 6 6 6 6 6 7 <th< td=""><td>nd charger 1</td><td>Capacity Steel:</td><td>10mm Wood: 25mm</td><td></td><td></td><td></td><td></td><td></td></th<>	nd charger 1	Capacity Steel:	10mm Wood: 25mm					
mm nd charger 1 6 6 6 6 6 6 6 6 6 6 6 6 7 <th< td=""><td>mm d charger 1 6 6 6 6 6 6 6 6 6 6 6 6 7</td><td>No load speed (r/min)</td><td>0-1,800r/min</td><td></td><td></td><td></td><td> -</td><td></td></th<>	mm d charger 1 6 6 6 6 6 6 6 6 6 6 6 6 7	No load speed (r/min)	0-1,800r/min				 -	
nd charger 1	nd charger 1 1	Dimensions (LxWxH)	314 x 79 x 115mm					
1 1 1 1 1 1 1 1 1 1	Ah bod: 76mm Masonry: 16mm bft: 58N.m mm / 2.3kg md charger Total R R R R R R R R R R R R R R R R R R R	Include 2 Batteries 18V (Li-Ion 6.0Al	Nh (slide battery)) with fuel gauge and charger					
Indicharger Ah Yood: 76mm Masonry: 16mm Ond: 78N.m Total R R R R R R	Indicharger 1 1	Cordless Vacuum Cleaner		1				
nd charger 1	nd charger 1 NAh Ood: 76mm Masonry: 16mm Ord: 76mm Masonry: 16mm O	Max. Peak Air Flow	3.4m3/min					
nd charger 1 1 Nah Ood: 76mm Masonry: 16mm Ord: 58N.m mm / 2.3kg d charger Total R R R R R	1	Max. Sealed Suction	5.5kpa					
Ind charger 1	Ind charger 1 2 2 <th< td=""><td>Recoverable Capacity Dust:</td><td>3.0L</td><td></td><td></td><td></td><td></td><td></td></th<>	Recoverable Capacity Dust:	3.0L					
Ind charger 1 Ah	Ind charger 1 Ah Independent of the property of the	Net Weight	2.2kg					
JAh 1 1 2 3 4	JAh 1 2	Include 2 Batteries 18V (Li-Ion 6.0Ał	핗					
JAh Ood: 76mm Masonry: 16mm 1<	JAh Ood: 76mm Masonry: 16mm Ood: 76mm Masonry: 16mm Ood: 76mm Masonry: 16mm 0-30,000 Lo: 0-6,000 Control of the state of the st	18V Cordless Impact Driver Drill		1				
Ood: 76mm Masonry: 16mm Ood: 76mm Masonry: 16mm D-30,000 Lo: 0-6,000 Ood: 76mm off: 58N.m Ood: 70mm nm / 2.3kg Ood: 70mm od charger Total R R	0:00d: 76mm Masonry: 16mm 0-30,000 Lo: 0-6,000 0ft: 58N.m nm / 2.3kg d charger	Voltage	18V 3.0Ah / 4.0Ah					
0-30,000 Lo: 0-6,000 https://disputer.com/off: 58N.m html/ 2.3kg h	0-30,000 Lo: 0-6,000	Capacity	Steel: 13mm Wood: 76mm Masonry: 16mm					
off: 58N.m nm / 2.3kg Lotal R R R R	oft: 58N.m mm / 2.3kg R R R id charger Total R R R	No load speed / Impacts per min, HI:	i: 0-2,000r/min Lo: 0-400r/min / Hi:0-30,000 Lo: 0-6,000					
mm / 2.3kg d charger Total R R R R R	nm / 2.3kg Total R R R 3 vear periot Total R	Max. fastening torque	Hard: 91N.m Soft: 58N.m					
d charger Total R R R R R	d charger Total R R R R R R R R R	Dimensions (LxWxH) / Net weight	225 x 79 x 259mm / 2.3kg					
	3 year periot Total	Include 2 Batteries 18V (Li-Ion 6.0Ah	h (slide battery)) with fuel gauge and charger		<u>α</u>	~	2	2

Page 1 R Page 2 R Page 3 R Page 4 R Page 5 R Page 6 R Page 6 R Page 7 R Page 9 R Page 9 R Page 9 R Page 10 R Page 11 R Page 11 R Page 12 R Page 12 R Page 12 R Page 11 R Page 12 R Page 13 R Page 14 R Page 16 R Page 16 R Page 16 R Page 17 R Page 17 R Page 17 R Page 17 R Page 18 R Page 10
11



words "Tender" or "Tenderer".

For External Use

PA-11: BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

	the bidder to make this declar	ration in respect of the details require	ed hereunder.
		in the Register for Tender Defaul comatically be disqualified from the b	ters and / or the List of Restricted id process.
2.	BIDDER'S DECLARATION		
2.1		ctors / trustees / shareholders / mem nterprise, employed by the state?	bers / partners or any person having
2.1.1		ectors / trustees / shareholders / mer	s, and, if applicable, state employee mbers/ partners or any person having
Full	Name	Identity Number	Name of State institution
			•
(7)			
altern	e power, by one person or a atively, the person/s having the enterprise.	group of persons holding the maje e deciding vote or power to influence	ority of the equity of an enterprise, or to direct the course and decisions

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the

Page 14 of 48
SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS



op.ic	byed by the procuring institution?
2.2.1	If so, furnish particulars:
	ž
	5 12 15 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13
2.3	Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?
2.3.1	If so, furnish particulars:
	(i)
3.	DECLARATION
	I, the undersigned, (name)
3.1	I have read and I understand the contents of this disclosure;
3.2	I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
3.3	The bidder has arrived at the accompanying bid independently from, and without consultation communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium ⁴ will not be construed as collusive bidding.
3.4	In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors of formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
3.5	The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awardin of the contract.
3.6	There have been no consultations, communications, agreements or arrangements made by th bidder with any official of the procuring institution in relation to this procurement process prior to an during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
Joint	venture or Consortium means an association of persons for the purpose of combining their expertise

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer". For External Use

⁴ property, capital, efforts, skill and knowledge in an activity for the execution of a contract.





3.7 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I DECLARE THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT. I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

Name of Bidder	Signature	Date	Position

This form is aligned to SBD 4.

BID NO: PT-23-018



PA-15.1: RESOLUTION OF BOARD OF DIRECTORS

documentation, resulting from the award of the Tender to the Enterprise mentioned above.



	Name	Capacity	Signature
1		-	
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18			
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Note:

- 1. * Delete which is not applicable.
- NB: This resolution must, where possible, be signed by all the Directors / Members / Partners of the Tendering Enterprise.
- In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (attach proof of shareholding / ownership hereto).
- 4. Directors / Members / Partners of the Tendering Enterprise may alternatively appoint a person to sign this document on behalf of the Tendering Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
- Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

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BID NO: PT-23-018



PA-15.2: RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of: (legally correct full name and registration number, if applicable, of the Enterprise) Held at (date) **RESOLVED** that: 1. The Enterprise submits a Tender, in consortium/joint venture with the following Enterprises: (list all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the consortium/joint venture) to the Department of Public Works in respect of the following project: (project description as per Tender Document) Tender Number: ______(Tender Number as per Tender Document) *Mr/Mrs/Ms: in *his/her Capacity as: ______(Position in the Enterprise) and who will sign as follows: be, and is hereby, authorised to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above. The Enterprise accept joint and several liability with the parties listed under item 1 above for the due fulfilment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above. The Enterprise chooses as its domicilium citandi et executandi for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above: Physical address: Postal Code



Postal Address:	
3	Postal Code
Telephone number:	Fax number:

	Name	Capacity	Signature
1			
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The tendering enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed.

Note:

- 1. * Delete which is not applicable.
- 2. **NB:** This resolution must, where possible, be signed by <u>all</u> the Directors / Members / Partners of the Tendering Enterprise.
- 3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (attach proof of shareholding / ownership hereto).
- 4. Directors / Members / Partners of the Tendering Enterprise may alternatively appoint a person to sign this document on behalf of the Tendering Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
- 5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP				

BID NO: PT-23-018



PA-15.3: SPECIAL RESOLUTION OF CONSORTIA OR JOINT **VENTURES**

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly tender for the project mentioned below: (legally correct full names and registration numbers, if applicable, of the Enterprises forming a consortium/joint venture)

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Held at	t(place)
on	(date)
DESOI	LVED that:
Α.	The above-mentioned Enterprises submit a tender in consortium/joint venture to the Department of Public Works & Infrastructure in respect of the following project:
,—	
(pro	oject description as per Tender Document)
	nder Number: (tender number as per Tender cument)



D.	IVII/IVII 5/IVI5.
	in *his/her Capacity as:(position in theEnterprise
	and who will sign as follows:
	be, and is hereby, authorised to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the tender to the Enterprises in consortium/joint venture mentioned above.
C.	The Enterprises constituting the consortium/joint venture, notwithstanding its composition, shall conduct all business under the name and style of:
D.	The Enterprises to the consortium/joint venture accept joint and several liability for the due fulfilment of the obligations of the consortium/joint venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.
E.	Any of the Enterprises to the consortium/joint venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days' written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the consortium/joint venture as mentioned under item D above.
F _{res}	No Enterprise to the consortium/joint venture shall, without the prior written consent of the other Enterprises to the consortium/joint venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.
G.	The Enterprises choose as the <i>domicilium citandi et executandi</i> of the consortium/joint venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:
	Physical address:
	Postal Code
	Postal Address:
	Postal Code
	Telephone number Fax number:
	E-mail address:



REPUBL	Name	Capacity	Signature
1			
2			
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The tendering enterprise hereby absolves the Department of Public Works & Infrastructure from any liability whatsoever that may arise as a result of this document being signed.

Note:

- * Delete which is not applicable.
- 2. **NB:** This resolution must be signed by <u>all</u> the Duly Authorised Representatives of the Legal Entities to the consortium/joint venture submitting this tender, as named in item 2 of Resolution PA-15.2.
- Should the number of the Duly Authorised Representatives of the Legal Entities joining forces in this tender exceed the
- space available above, additional names, capacity and signatures must be supplied on a separate page.

 4. Resolution PA-15.2, duly completed and signed, from the separate Enterprises who participate in this consortium/joint venture, must be attached to this Special Resolution (PA-15.3).



DPW-16. TENDER BRIEFING MEETING CERTIFICATE

Project title:	SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS			
Tender / Quotation no:	PT-23-018	Reference no:	2104	
Date Bid Briefing Meeting	: N/A			
Time of Bid Briefing Meet	ng: N/A			
Venue: N/A				
This is to certify that I,				
representing				
attended the tender clarifica	tion meeting on:			
			explanations given at the tender ed and implied, in the execution of	
Name of Tendere		Cianatura	Data	
IName of Tenderel		Signature	Date	
Name of DPW Represe	ntative	Signature	Date	



DPW-21: RECORD OF ADDENDA TO TENDER DOCUMENTS

Project title:	SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FO PERIOD OF 36 MONTHS		
Tender / Quotation no:	PT-23-018	Reference no:	2104

1. I / We confirm that the following communications received from the Department of Public Works before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer: (Attach additional pages if more space is required)

	Date	Title or De	etails
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.	.e.		
Mana	e of Tenderer	Signature	Date

Name of Tenderer	Signature	Date

2. I / We confirm that no communications were received from the Department of Public Works before the submission of this tender offer, amending the tender documents.

Name of Tenderer	Signature	Date

Page 1 of 1 DPW-21 (EC)



PA-40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL **PROCUREMENT**

Tender Number: PT-23-018
Name of Tenderer

me of Tenderer					☐ EME ²	☐ QSE3 ☐ Non	□ EME ² □ QSE ³ □ Non EME/QSE (tick applicable box)	plicable box)
1. LIST ALL PROPRIETORS, MEMBERS OR SHAREHOLDE	ORS, MEMBERS O	R SHAREHOLD	JERS BY NAME, IC	DENTITY NUMBER	RS BY NAME, IDENTITY NUMBER, CITIZENSHIP AND DESIGNATED GROUPS.	ND DESIGNATED	GROUPS.	
Name and Surname #	Identity/ Passport number and Citizenship##	Percentage owned	Black	Indicate if youth	Indicate if woman	Indicate if person with disability	Indicate if living in rural / under developed area/township	Indicate if military veteran
			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
2			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
œ.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
9.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
10.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

##

Where Owners are themselves a Company, Close Corporation, Partnership etc., identify the ownership of the Holding Company, together with Registration number State date of South African citizenship obtained (not applicable to persons born in South Africa)

² EME: Exempted Micro Enterprise ³ QSE: Qualifying Small Business Enterprise



1. DECLARATION:

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the Tenderer, hereby confirms that:

- The information and particulars contained in this Affidavit are true and correct in all respects;
- The Broad-based Black Economic Empowerment Act, 2003 (Act 53 of 2003), Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000), the Preferential Procurement Regulations, 2022, National Small Business Act 102 of 1996 as amended and all documents pertaining to this Tender were studied and understood and that the above form was completed according to the definitions and information contained in said documents;
- The Tenderer understands that any intentional misrepresentation or fraudulent information provided herein shall disqualify the Tenderer's offer herein, as well as any other tender offer(s) of the Tenderer simultaneously being evaluated, or will entitle the Employer to cancel any Contract resulting from the Tenderer's offer herein; 3
- The Tenderer accepts that the Employer may exercise any other remedy it may have in law and in the Contract, including a claim for damages for having to accept a less favourable tender as a result of any such disqualification due to misrepresentation or fraudulent information provided herein; 4
- Any further documentary proof required by the Employer regarding the information provided herein, will be submitted to the Employer within the time period as may be set by the latter; S

Date Signature Name of representative Signed by the Tenderer





DPW-09 PARTICULARS OF TENDERER'S PROJECTS

Project title:	SUPPLY AND DELIVERY OF ELECTRICAL	MATERIALS AND	ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS	MONTHS
Tender / Quotation no:	PT-23-018	Closing date:	Closing date: Monday, 30 October 2023	Time: 11:00 AM

Note: The Tenderer is required to furnish the following particulars and to attach additional pages if more space is required.

1. PARTICULARS OF THE TENDERER'S CURRENT AND PREVIOUS COMMITMENTS

1.1. Current projects

_							
Work stages in progress							
Work stages completed							
Scope of Services (Work stages appointed for eg 1 to 6)							
Contract sum of Project							
Contact tel. no.							
Name of Employer or Representative of Employer							
Projects currently engaged in							
Projects	.	2.	3.	4.	5.	9	7.

public works & infrastructure	Department: Public Works and Infrastructure REPUBLIC OF SOUTHAFRICA

REPUBLI	Projects con	-	2.	ю.	4.	5.	9	7.	89
REPUBLIC OF SOUTHAFFICA 1.2. Completed projects	Projects completed in the last 5 (five) years								
ts	Name of Employer or Representative of Employer								
	Contact tel. no.								
	Contract sum of Project								
	Scope of Services (Work stages appointed for eg 1 to 6)								
	Date of appointment								
	Date of completion								

Date
Signature
Name of Tenderer

BID NO: PT-23-018



PA-16: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
 - the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- 1.2 Preference Points System to be applied
- ☐ The applicable preference point system for this tender is the 80/20 preference point system.
- 1.3 Points for this tender shall be awarded for:
- 1.3.1 Price: Maximum 80 points
- 1.3.2 Specific Goals: Maximum 20 points
- 1.4 The maximum points for this tender are allocated as follows:

PREFERENCE POINTS SYSTEM	80/20
PRICE	80
SPECIFIC GOALS	20
Total points for Price and Specific Goals	100

1.5 Breakdown Allocation of Specific Goals Points

1.5.1 For procurement transactions with rand value greater than R1 Million and up to R50 Million (Inclusive of all applicable taxes) the specific goals as listed in the table below are applicable:

Serial No	Specific Goals	Preference Points allocated out of 20	Documentation to be submitted by bidders to validate their claim for points
1.	An EME or QSE or any entity which is at least 51% owned by black people	10	SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
2.	Located in a specific Local Municipality or District Municipality or Metro or Province area for work to be done or services to be rendered in that area	2	 Official Municipal Rates Statement which is in the name of the bidder. Or Any Account or statement which is in the name of the Bidder. Or Permission To Occupy from local chief in case of rural areas (PTO) which is in the name of the bidder. Or



Serial No	Specific Goals	Preference Points allocated out of 20	Documentation to be submitted by bidders to validate their claim for points
			 Lease Agreement which is in the name of the bidder.
3.	An EME or QSE or any entity which is at least 51% owned by black women	4	 SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
4.	An EME or QSE or any entity which is at least 51% owned by black people with disability	2	 SANAS Accredited BBBEE Certificate or sworn affidavit where applicable. and Medical Certificate indicating that the disability is permanent or South African Social Security Agency (SASSA) registration indicating that the disability is permanent Or National Council for Persons with Physical Disability in South Africa registration (NCPPDSA)
5.	An EME or QSE or any entity which is at least 51% owned by black youth (2	ID Copy and SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.

- 1.6 Failure on the part of the tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals, if the service provider/ tenderer did not submit proof or documentation required to claim for specific goals will be interpreted to mean that preference points for specific goals are not claimed.
- 1.7 The organ of state reserves the right to require of a service provider/tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) "tender" means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) "price" means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts:
- (c) "rand value" means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) "tender for income-generating contracts" means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) "the Act" means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).



3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1. THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 or 90/10

$$Ps = 80\left(1 - \frac{Pt - Pmin}{Pmin}\right)$$
 or $Ps = 90\left(1 - \frac{Pt - Pmin}{Pmin}\right)$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$Ps = 80\left(1 + rac{Pt-P\,max}{P\,max}
ight)$$
 or $Ps = 90\left(1 + rac{Pt-P\,max}{P\,max}
ight)$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration
Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1,2 and 3 above as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
 - (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.



Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
 An EME or QSE or any entity which is at least 51% owned by Historically Disadvantaged Individuals (HDI) 	10	
Located in a specific Local Municipality or District Municipality or Metro or Province area for work to be done or services to be rendered in that area	2	
 An EME or QSE or any entity which is at least 51% owned by women 	4	
 An EME or QSE or any entity which is at least 51% owned by people with disability 	2	
An EME or QSE or any entity which is at least 51% owned by youth.*	2	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3.	Name of company/firm
4.4.	Company registration number:
4.5.	TYPE OF COMPANY/ FIRM .
	Partnership/Joint Venture / Consortium One-person business/sole propriety Close corporation Public Company Personal Liability Company (Pty) Limited Non-Profit Company State Owned Company
	[TICK APPLICABLE BOX]

- 4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:
 - i) The information furnished is true and correct:
 - ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
 - iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs



- 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation:
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

SIGNATURE(S) OF TENDERER(S)
SURNAME AND NAME:
DATE:
ADDRESS:

BID NO: PT-23-018



SWORN AFFIDAVIT – B-BBEE EXEMPTED MICRO ENTERPRISE - GENERAL

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

- 1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
- 2. I am a Member / Director / Owner (**Select one**) of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Construction	
Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians — (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation— i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"
Definition of "Black Designated Groups"	"Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"



3. I hereby declare under	Oath that:			
Amended Code Series 1 (1) of B-BBEE Act No 53 The Enterprise is 100 of the Amended Code of 2003 as Amended by The Enterprise is Code Series 100 of the ABBEE Act No 53 of 2003	00 of the Amended Coord 2003 as Amended Second Practice Act No 46 of 2013, Mended Codes of Goas Amended Codes of Goas Amended by Act	Female Owned as per Amended Co issued under section 9 (1) of B-BBEI Designated Group Owned as per Al ood Practice issued under section 9	section 9 ode Series E Act No 53 mended (1) of B-	
Black Youth % =		%		
Black Disabled % =		%		
Black Unemployed % =	:	%		
Black People living in F	Rural areas % =	%		
 Black Military Veterans 	% =	%		
available on the latest fin Revenue was R10, 000,0	ancial year-end of 000.00 (Ten Million R	Date/ month / year	ual Total	
00% Black Owned	Level One (135% B-	-BBEE procurement recognition level)		
t Least 51% black owned	Level Two (125% B-	-BBEE procurement recognition level)		
ess than 51% Black Owned	Level Four (100% level)	B-BBEE procurement recognition		
 I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner. 				
	Depone	ent Signature		
	Date:			
	Date.			
Commissioner of Oaths Signature & stamp				

Stamp Commissioner of Oaths



SWORN AFFIDAVIT – B-BBEE QUALIFYING SMALL ENTERPRISE – GENERAL

I, the undersigned,

Full name & Surname		
Identity number		

Hereby declare under oath as follows:

- 1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
- 2. I am a Member / Director / Owner (**Select one**) of the following enterprise and am duly authorised to act on its behalf:

Fatanala Nama	
Enterprise Name:	
Trading Name (If Applicable):	
Registration Number:	
Enterprise Physical Address:	
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	
Nature of Construction Business:	
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians — (a) who are citizens of the Republic of South Africa by birth or descent; or (b) who became citizens of the Republic of South Africa by naturalisation— i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"
Definition of "Black Designated Groups"	"Black Designated Groups means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"



I hereby declare under Oath that:

Amended Code Series (1) of B-BBEE Act No 5 The Enterprise is 100 of the Amended Co of 2003 as Amended by The Enterprise is Code Series 100 of the BBEE Act No 53 of 2000	100 of the Amended Co 3 of 2003 as Amended % Black I des of Good Practice is Act No 46 of 2013, % Black I Amended Codes of Goo 3 as Amended by Act N	Female Owned as per Amended Consults and such as per Amended Consults and Section 9 (1) of B-BBE Designated Group Owned as per Amended Practice issued under section 9	r section 9 code Series E Act No 53 amended (1) of B-	
Black Youth % =	-	%		
 Black Disabled % = Black Unemployed % Black People living in Black Military Veterans 	Rural areas % =	% % %		
☐ Based on the Audite available on the latest fill	d Financial Statements/ nancial year-end of	Financial Statements and other in	nformation	
(the annual Total Reven R50,000,000.00 (Fifty M	ue was between R10,0 illion Rands),	DO,000.00 (Ten Million Rands) and EE Level Contributor, by ticking t		
00% Black Owned	Level One (135% B-B	BEE procurement recognition level)		
At Least 51% black owned	Level Two (125% B-B	BEE procurement recognition level)		
prescribed oath and co enterprise which I repr	onsider the oath binding esent in this matter.	idavit and I have no objection to ta on my conscience and on the own	ners of the	
commissioner.	 The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner. 			
	Deponer	t Signature	-	
	Date:		5	
Commissioner of Oaths Signature & stamp				
		Stamp Commissioner of Oath		



PA-10: GENERAL CONDITIONS OF CONTRACT (GCC)

BID NUMBER: PT-23-018

BID/ PROJECT DESCRIPTION: SUPPLY AND DELIVERY OF ELECTRICAL MATERIALS AND TOOLS FOR PERIOD OF 36 MONTHS

NOTES:

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

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General Conditions of Contract

1. Definitions

- 1. The following terms shall be interpreted as indicated:
- 1.1. "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2. **"Contract"** means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3. **"Contract price"** means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4. **"Corrupt practice"** means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5. **"Countervailing duties"** are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6. "Country of origin" means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7. "Day" means calendar day.
- 1.8. "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9. "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- 1.10. "Delivery into consignees store or to his site" mean's delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11. **"Dumping"** occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12. **"Force majeure"** means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13. **"Fraudulent practice"** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14. "GCC" means the General Conditions of Contract.
- 1.15. "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.



- 1.16. "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17. **"Local content"** means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18. **"Manufacture"** means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19. **"Order"** means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20. "Project site" where applicable, means the place indicated in bidding documents.
- 1.21. "Purchaser" means the organization purchasing the goods.
- 1.22. "Republic" means the Republic of South Africa.
- 1.23. "SCC" means the Special Conditions of Contract.
- 1.24. "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25. "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2. Application

- 2.1. These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2. Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3. Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

- 3.1. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2. With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za

4. Standards

4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the



supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

- 5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

7. Performance security

- 7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3. The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
 - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque
- 7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1. All pre-bidding testing will be for the account of the bidder.
- 8.2. If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5. Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.



- 8.6. Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7. Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8. The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1. Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2. Documents to be submitted by the supplier are specified in SCC.

11. Insurance

11.1. The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

12.1. Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental services

- 13.1. The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
 - (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
 - (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.



13.2. Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

- 14.1. As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:
 - (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
 - (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

- 15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4. Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5. If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

- 16.1. The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.
- 16.3. Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4. Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

17.1. Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract amendments



18.1. No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19. Assignment

19.1. The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

20.1. The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

- 21.1. Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2. If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3. No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5. Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
- 21.6. Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

22.1. Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

- 23.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
 - (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - (b) if the Supplier fails to perform any other obligation(s) under the contract; or



- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period of not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.
- Any restriction on any person by the Accounting Officer/ Authority will, at the discretion of the Accounting Officer/ Authority, also be applicable to any enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which the first-mentioned person, is or was in the opinion of the Accounting Officer/ Authority actively associated.
- 23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish The National Treasury, with the following information:
 - i) The name and address of the supplier and/or person restricted by the purchaser;
 - ii) The date of commencement of the restriction
 - iii) The period of the restriction; and
 - iv) The reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a count of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the pubic sector for a period not less than five years and not more than ten years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1. When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in



performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2. If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

26.1. The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in Connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules of the procedure specified in the SCC.
- 27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
 - (a) the parties shall continue to perform their respective obligations under contract unless they Otherwise agree; and
 - (b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of Liability

- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
 - (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss 12 or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
 - (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

29.1. The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

30.1. The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.

31. Notices

31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

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31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

- 32.1. A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2. A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African

33. National Industrial Participation Programme (NIPP)

33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34. Prohibition of Restrictive Practices

- In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

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	Department: Public Works and Infrastructure REPUBLIC OF SOUTH AFRICA		

PA- 29: CERTIFICATION OF INDEPENDENT BID DETERMINATION

Project title:	
Bid no:	Reference no:

INTRODUCTION

- 1. This PA-29 [Certificate of Independent Bid Determination] must form part of all bids¹ invited.
- 2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
- 3. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4. This form (PA-29) serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5. In order to give effect to the above, the attached Certificate of Bid Determination (PA-29) must be completed and submitted with the bid:

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

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¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.



CERTIFICATE OF INDEPENDENT BID DETERMINATION

I,	the undersigned, in submitting the accompanying bid:					
-	(Bid Number and Description)					
in	in response to the invitation for the bid made by:					
	(Name of Institution)					
do	hereby make the following statements that I certify to be true and complete in every respect:					
Ιc	ertify, on behalf of: that:					
	(Name of Bidder)					
1.	I have read and I understand the contents of this Certificate.					
2.	I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect.					
3.	I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, or behalf of the bidder.					
4.	. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder.					
5.	the purposes of this Certificate and the accompanying bid, I understand that the word inpetitor" shall include any individual or organization, other than the bidder, whether or not iated with the bidder, who:					
	 (a) has been requested to submit a bid in response to this bid invitation; (b) could potentially submit a bid in response to this bid invitation, based on their 					

provides the same goods and services as the bidder and/or is in the same line

qualifications, abilities or experience; and

of business as the bidder.

(c)



- 6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
- 7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
- 8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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Name of Bidder	Signature	Date	Position

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

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