

Tender no: 19/1/9/1/31TB(23)

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.

C1.2: CONTRACT DATA- (GCC (2004) 1st EDITION: 2004)

CONTRACT DATA FOR FOR DESIGN, SUPPLY, DELIVERY, INSTALLATION & COMMISSIONING OF INVERTER BATTERY BACKUP/SOLAR SYTEME POWER IN POLICE STATIONS

Tender no:

	PART 1: DATA PROVIDED BY THE EMPLOYER
	CONDITIONS OF CONTRACT
	The General Conditions of Contract for Construction Works (2004) [hereinafter referred to as GCC 2004], published by the South African Institution of Civil Engineering, is applicable to this Contract.
	CONTRACT SPECIFIC DATA
	The following contract specific data; amendments; additions; or omissions are applicable to this Contract.

CLAUSES	Compulsory Data
1.1.14	"Employer" means the Government of the Republic of South Africa in its South African Police Service.
1.2.2	The addresses of the Employer, where the Employer shall receive notices, are as follows: Physical Address: 117 Cresswell Rd Silverton 0127 Postal Address: Private Bag X254 Pretoria 0001 Facsimile: 012-8417495 Telephone: 012-8417070
1.1.15	The name of the Engineer is: Colonel Mulaudzi / SWJ GROBBELAAR
1.2.2	The address of the Engineer, where the Engineer shall receive notices, are as follows: Physical Address: 17 Cresswell Rd Silverton 0127 Postal Address: Private Bag X254 Pretoria 0001 Facsimile: 012-8417495 Telephone: 012-8417070
1.1.21	Not applicable to this Contract

Tender no:

1.1.24	Omit reference to "telex, telegram, cable, electronic communication" and "or any like communication"
1.1.25	Add the following Clause 1.1.25 "Value of Works" means the value of Works certified by the Engineer as having been satisfactorily executed and shall include the value of the work done, the value of the materials and/or goods and Contract Price Adjustments.
1.1.26	"Contract Sum" means the total of Prices provided for in the Agreement made in terms of the Form of Offer and Acceptance.
1.6 and 3.8	The special non-working days are public holidays, Saturdays, and Sundays
1.6	The year end break commences on 16 December until the first working Monday of January of the succeeding year.
2.3	1. In Clauses 6.2; 11.2; 36.1; 36.2; 39.2; 42.2; 43.2; 50.1; 53.3.2 and 54.4.3 all reference to the word "Engineer" must be replaced with the word "Employer", as the Employer has in terms of such Clauses retained its authority and has not given a mandate to the Engineer and the Employer shall therefore sign all documents in relation thereto. 2. Clauses 36.2; 37.1; 40.3; 41.1; 48.5; 49.10; 51.4; and 52.1 shall be amended as follows to indicate the limitation on the Engineer's authority in respect thereof: Clause 36.2 – amend to read as follows: "... (herein referred to as a "Variation Order") by the Employer...any confirmation in writing of such oral order given by the Employer... The Contractor shall, as soon as possible... confirms it in writing to the Employer...and such order in writing is not contradicted in writing by the Employer..." Clause 37.1 – amend to read as follows: "The value of the variations ordered the Employer... Provided that, failing agreement with the Contractor, the Engineer shall determine the rate or price in accordance with the foregoing principles, obtain approval from the Employer, notify the Contractor in writing..." Clause 40.3 – amend to read as follows: "...unless such instruction is in writing, duly approved by the Employer, states explicitly..." Clause 41.1 – amend to read as follows: "... said performance has actually taken place and may be extended by the Employer at his discretion." Clause 48.5 – amend to read as follows: " Unless otherwise provided in the Contract, the Employer shall...as read with Clause 48.2, and deliver to the Contractor its written ruling on the claim... thereof allowed by the Employer...so agreed between the Contractor and the Employer... If, before the Employer's ruling on the whole claim..." Clause 49.10 – amend to read as follows: "... The Employer shall within 14 days issue to the Contractor a Final Payment Certificate..."

Tender no:

	Clause 51.4 – amend to read as follows: “...the Employer shall issue to the Contractor a Certificate of Completion; Provided that the Employer, shall be...” Clause 52.1 – (a) amend to read as follows: “... shall have been delivered by the Employer to the Contractor stating the date...” (b) Delete the entire third paragraph under Clause 52.1 3. Add the following paragraph under Clause 2.3: Provided that, notwithstanding any provisions to the contrary in the Contract, the Employer shall have the right to reverse and, should it deem it necessary, to amend any certificate, instruction, decision or valuation of the Engineer and to issue a new one, and such certificate, instruction, decision or valuation shall for the purposes of the Contract be deemed to be issued by the Engineer, provided that the Contractor shall be remunerated in the normal manner for work executed in good faith in terms of an instruction issued by the Engineer and which has subsequently been rescinded.
6.6	Omit
7.	Replace the word “ GUARANTEE ” with the word “ SECURITY ”
7.1	Replace in its entirety with the following: The Contractor shall deliver to the Employer within 21 days of the Commencement Date the form of security selected in the Contract Data and any expenditure incurred in doing so shall be borne by the Contractor.
7.2	Should the Contractor fail to select the security to be provided or should the Contractor fail to provide the Employer with the selected security within 21 days from the Commencement Date, it will be deemed that the Contractor has selected a security in the form of a retention of 10% of the Value of Works (excluding of VAT)
9.1	Replace in its entirety with the following: The Employer will become the owner of the information, documents, advice, recommendation and reports collected, furnished and/or compiled by the Contractor during the course of, and for the purposes of executing this Contract, all of which will be handed over to the Employer on request, but in any event on the termination and/or cancellation of this Contract for whatever reason. The Contractor relinquishes its retention or any other rights to which it may be entitled.
9.2	Add the following as 9.2: The copyright of all documents, recommendations and reports compiled by the Contractor during the course of and for the purposes of finalising the Works will vest in the Employer, and may not be reproduced or distributed or made available to any person outside the Employer's service, or to any institution in any way, without the prior written consent of the Employer. The Employer shall have the right to use such material for any other purpose without the approval of, information or payment to the Contractor.
9.3	Add the following as 9.3 The copyright of all electronic aids, software programmes etc. prepared or developed in terms of the Contract shall vest in the Employer, who shall have the right to use such material for any other purpose without the approval of, information or payment to the Contractor.

Tender no:

9.4	Add the following as 9.4 In case of the Contractor providing documents, electronic aids, software programmes or like material to the Employer, the development of which has not been at the expense of the Employer, copyright shall not vest in the Employer. The Contractor shall be required to indicate to which documents, electronic aids, software programmes or like material this provision applies.
9.5	Add the following as 9.5 The Contractor hereby indemnifies the Employer against any action, claim, damages or legal cost that may be instituted against the Employer on the grounds of an alleged infringement of any copyright or any other intellectual property right in connection with the Works outlined in this Contract.
9.6	Add the following as 9.6 All information, documents, recommendations, programmes and reports collected or compiled must be regarded as confidential and may not be communicated or made available to any person outside the Employer's service and may not be published either during the currency of this Contract or after termination thereof without the prior written consent of the Employer.
10.1	Replace with the following: The Contractor shall, save as may be otherwise provided in the Contract or be legally or physically impossible, commence executing the Works within 14 days calculated from the date the Contractor is given access to and possession of the Site in terms of Clause 11.
11.1.1	Replace the words "On the Commencement Date" with the words "Within 14 days of the Contractor submitting to the Engineer an acceptable health and safety plan required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)"
12.2	The Contractor shall deliver his programme of work within 14 days from date of Site hand-over.
12.3.3	Amend as follows: "Rates of progress for the various parts of the Works taking account, inter alia, of design, acquisition, construction, testing, time risk, float, and any other necessary and relevant facts; and"
13.1	Amend as follows: "On the date possession is given to the Contractor, the Engineer shall deliver to the Contractor three (3) copies, at no cost to the Contractor, of the drawings and any instructions required for the commencement of the Works. The cost of any additional copies of such drawings and/or instructions, as may be required by the Contractor, will be for the account of Contractor.
25.2	Insert the words "in writing" to read as follows: "... unless he considers it unnecessary and advises the Contractor accordingly in writing..."
26.2	Replace the words "within a reasonable time" with the words "within the time period stipulated by the Engineer in such order..."
28.1	Add the following at the end thereof Such losses or damages may be recovered from the Contractor or by deducting the same from any amounts still due under this Contract or under any other contract presently or hereafter existing between the Employer and the Contractor and for this purpose all these contracts shall be considered one indivisible whole.

Tender no:

35	Replace in its entirety with the following: Unless otherwise stated adequate insurance is the responsibility of the Contractor. The Contractor shall submit the insurance policy to the Employer for approval, if so requested. Damage to the Works 35.1 (a) Without in any way limiting the Contractor's obligations in terms of the Contract, the Contractor shall bear the full risk of damage to and/or destruction of the Works by whatever cause during construction of the Works and hereby indemnifies and holds harmless the Employer against any such damage. The Contractor shall take such precautions and security measures and other steps for the protection and security of the Works as he may deem necessary. (b) The Contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the Works and to rebuild, restore, replace and/or repair the Works. (c) The Employer shall carry the risk of damage to or destruction of the Works and material paid for by the Employer that is the result, whether direct or indirect or proximate or remote, of the excepted risks as set out in Clause 35.2. (d) Where the Employer bears the risk in terms of this Contract, the Contractor shall, if requested to do so, reinstate any damage or destroyed portions of the Works and the costs of such reinstatement shall be measured and valued in terms of Clause 44 hereof. Injury to Persons or loss of or damage to Properties 35.2 (a) The Contractor shall be liable for and hereby indemnifies the Employer against any liability, loss, claim or proceeding whether arising in common law or by Statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the Works unless due to any act or neglect of any person for whose actions the Employer is legally liable. (b) The Contractor shall be liable for and hereby indemnifies the Employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable or personal property or property contiguous to the Site, whether belonging to or under the control of the Employer or any other body or person, arising out of or in the course of or by reason of the execution of the Works unless due to any act or neglect of any person for whose actions the Employer is legally liable. The Contractor shall upon receiving an Order in Writing from the Engineer cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the Employer shall be entitled to cause it to be made good and to recover the cost thereof from the Contractor or to deduct the same from amounts due to the Contractor as stated in Sub-Clause 53 (4) hereof. (c) The Contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the Employer for the purpose of executing the Works until the issue of the Certificate of Completion. (d) Where the execution of the Works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the Contractor, shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with support until such portion of the Works has been completed. (e) The Contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the Works.
----	--

Tender no:

35 (A)	HIGH RISK INSURANCE In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or do line formation the following will apply: (1) Damage to the Works The Contractor shall, from the Commencement Date of the Works until the date of the Certificate of Completion, bear the full risk of and hereby indemnifies and holds harmless the Employer against any damage to and/or destruction of the Works consequent upon a catastrophic ground movement as mentioned above. The Contractor shall take such precautions and security measures and other steps for the protection of the Works as he may deem necessary. When instructed to do so by the Engineer, the Contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the Works and to rebuild, restore, replace and/or repair the Works, at the Contractor's own costs. (2) Injury to Persons or Loss of or damage to Properties The Contractor shall be liable for and hereby indemnifies and holds harmless the Employer against any liability, loss, claim or proceeding arising at any time during the Contract Period whether arising in common law or by Statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above. The Contractor shall be liable for and hereby indemnifies the Employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable or personal property or property contiguous to the Site, whether belonging to or under the control of the Employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the Contract Period. (3) It is the responsibility of the Contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in Clauses 35 (A) (1) and 35 (A) (2) above. Without limiting the Contractor's obligations in terms of the Contract, the Contractor shall, within 21 days of the Commencement Date but before commencement of the Works, submit to the Employer proof of such insurance policy, if requested to do so. (4) The Employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the Contractor's default of his obligations as set out in Clauses 35 (A) (1), 35 (A) (2) and (3). Such losses or damages may be recovered from the Contractor or by deducting the same from any amounts still due under this Contract or under any other contract presently or hereafter existing between the Employer and the Contractor and for this purpose all these contracts shall be considered one indivisible whole.
36.4	Delete
37.2.2.3	The percentage allowance to cover the overhead charges is 33%, except on material cost where the percentage allowance is 10%
40.2	Add the following to the end of the second paragraph: "which costs may be deducted from any payments due to the Contractor in terms of the Contract or any other Contract, now or in the future, existing between the Employer and the Contractor and for this purpose all these contracts shall be considered one indivisible whole."

Tender no:

42.1	The Works shall be completed within: <i>The period per site that will be determined and agreed upon in writing (up to the maximum of two (2) calendar months from the site handover date) between the SAPS Project Manager and contractor based on the need and the scope of work per site within the term contract period.</i>
43.1	The penalty for failing to complete the Works is 0,1% of the contract amount per calendar day. The contract amount and penalty amount will be determined per site
46.2	Contract Price Adjustment (CPA) will be applicable Yes ☒ No ☐ If CPA is applicable, the value of the payment certificates is to be adjusted in accordance with the Contract Price Adjustment Schedule, where: The value of "x" is 0.15 The values of the coefficients are: a= 0.25 (labour) b= 0.3 (contractor's equipment) c= 0.3 (material) d= 0.15 (fuel) The values of the coefficients for "Repair and Maintenance Project" (RAMP) contracts are: a= 0.35 (labour) b= 0.20 (contractor's equipment) c= 0.35 (material) d= 0.10 (fuel) The urban area nearest the Site is SAPS provincial Office The base month is the month prior to the closing of the tender
47.5	Add the following Clause 47.5 If during the time for completion of the Works or any extension thereof abnormal rainfall or wet conditions occurs, then the formula below shall be used to calculate separately the delay for each calendar month or part thereof. It shall be calculated each month during the period referred to in Clause 42.1 as the time for the completion of the Works and any extension time in accordance with Clause 42 that may have been granted by the Employer, or until the issue date of the certificate of practical completion, whichever is the shorter period. The delay calculated for a given month shall be used to determine the interim extension of time granted for the month. At the end of the applicable period referred to above, the aggregate of the monthly delays will be taken into account for the final determination of the total extension of time for the Contract: $V = (Nw - Nn) + \frac{(Rw - Rn)}{X}$ If any value of V is negative and its absolute value exceeds Nn, then V shall be taken as equal to minus Nn. The delay for a part of a month shall be calculated by substituting pro-rata values for the variables in the equation.

Tender no:

	The symbols shall have the following meanings: V = Delays due to rain in calendar days in respect of the calendar month under consideration. Nw = Actual number of days during the calendar month on which a rainfall of Y mm or more per day has been recorded Rw = Actual rainfall in mm for the calendar month under consideration. Nn = Average number of days in the relevant calendar month (as derived from existing rainfall records provided in the project specifications) on which a rainfall of Y mm or more per day has been recorded. Rn = Average rainfall in mm for the calendar month, as derived from the rainfall records supplied in the project specifications. X = 20, unless otherwise provided in the project specifications. Y = 10, unless otherwise provided in the project specifications. The total delay that will be taken into account for the determination of the total extension of time for the Contract shall be the algebraic sum of the monthly totals for the period under consideration. But if the grand total is negative, the time for completion shall not be reduced on account of abnormal rainfall. The total extension of time for any calendar month shall not exceed $(Nc - Nn)$ calendar days, where Nc = number of days calendar days in the month under consideration The factor $(Nw - Nn)$ shall be considered to represent a fair allowance for variations from the average number of days during which rainfall equals or exceeds Y mm per day. The factor $(Rw - Rn) \div X$ shall be considered to represent a fair allowance for variations from the average for the number of days during which rainfall does not equal or exceed Y mm per day, but when wet conditions prevent or disrupt work. This formula does not take into account any flood damage, which could cause further or concurrent delays and which should be treated separately in so far as extension of time is concerned. Accurate rain gauging shall be taken at a suitable point on the site daily at 08:00 unless otherwise agreed to by the engineer, and the Contractor shall, at his own expense, take all necessary precautions to ensure that the rain gauges cannot be interfered with by unauthorized persons. Information regarding existing rainfall records, if available from a suitable rainfall station near the site, will be supplied in the project specifications, together with calculations of rain delays for previous years in accordance with the above formula. The average of these delays will be regarded as normal rain delays which the Contractor shall accommodate in his programme, and for which no extension of time will be considered.
48.3.4	Replace the word "conclusive" with the words "prima facie"
8.3.6	Delete

48.6	Add the following Clause 48.6 "If the Employer fails to give his ruling within the period referred to in Clause 48.5, he shall be deemed to have given a ruling dismissing the claim."
------	--

Tender no:

49.1.2	Replace the word "Schedule" with the word "Bill"
49.1.5	The percentage advance on materials not yet built into the Permanent Works is 85%
49.3	Replace with the following: Payment of the amounts referred to in Clause 49.1.1, 49.1.2, 49.1.3 and 49.1.4 shall, save to the extent otherwise provided in Clause 49.6, be subject to a retention, if applicable in terms of clause 7.1, by the Employer of an amount (herein after called the "retention money"), being the percentage, stated in Part 2 of the Contract Data of the said amounts due to the Contractor.
49.5	Replace Clause 49.5 with the following In respect of contracts up to R1 million and in respect of contracts above R1 million where the Contractor elects a security by means of a 10% retention of the Value of the Works (excl. VAT), 50% of the retention shall be released to the Contractor when the Engineer issues the last Certificate of Completion in terms of clause 51.4. The remaining 50% of the retention shall be released in accordance with the provisions of the conditions of contract and will become due and payable within 14 days of the issue of the last Final Approval Certificate. Or In respect of contracts above R1 million, where the Contractor elects a security by means of a cash deposit or fixed guarantee of 5% of the Contract Sum (excl. VAT) and a 5% retention of the Value of the Works (excl. VAT), the cash deposit or fixed guarantee, whichever is applicable, shall be refunded to the Contractor or released to the guarantor, respectively, when the Engineer issues the last Certificate of Completion in terms of Clause 51.4. The 5% retention of the Value of the Works (excl. VAT) shall become due and payable within 14 days of the issue of the last Final Approval Certificate. Or In respect of contracts above R1 million, where the Contractor elects a security by means of a cash deposit or a variable guarantee of 10% of the Contract Sum (excl. VAT), the cash deposit or the variable guarantee, whichever is applicable, will be reduced to 5% of the Value of the Works (excl. VAT) when the Engineer issues the last Certificate of Completion in terms of Clause 51.4. The balance of the cash deposit shall become due and payable within 14 days of the issue of the last Final Approval Certificate or the variable guarantee shall expire upon the issue of the last Final Approval Certificate.
49.6	A Retention Money Guarantee is not permitted.
49.7.2	Replace the words "prime overdraft rate certified by the Contractor's banker" with the words "interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply"
49.11	Add Clause 49.11 as follows: In respect of any amount owed by the Contractor to the Employer, the Contractor shall pay the Employer interest at the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply
50.	Amend the percentage from 15 per cent to 20 per cent in the title, the Clause and in the sideline comment.
52.2	Amend as follows: "...of the Contract or any part thereof, nor of the accuracy of any claim made by the Contractor, nor shall any other certificate exclude ... powers of the Engineer and/or the Employer"

53.1	The Defects Liability Period is 12 months
------	---

Tender no:

55.1.6	Amend as follows "Has, to the detriment of good workmanship or without the written approval of the Employer or in defiance of the Engineer's instructions to the contrary, sublet any part of the Contract, or"
56.2.2	Delete the following words "without prejudice to his lien on the Employer's property"
56.3	Add the following at the end After cancellation of the Contract by the Contractor, the Contractor, when requested by the Employer to do so, shall not be entitled to refuse to withdraw from the Works on the grounds of any lien or a right of retention or on the grounds of any right whatsoever.
57.1	Amend as follows: "... Clauses 48 or 58.7 or in respect of any matter in terms of which the Employer has issued a certificate or instruction or has made a ruling, determination, decision or valuation, or in respect of any matter in terms of which the Employer has given effect to the proviso in Clause 2.3, the Contractor shall have the right by written notice with supporting particulars to the Engineer and Employer to require..."
58.1.1	Delete the words "Clause 48 or"
58.1.2	Delete the words "48.5 or" and replace the word "Clauses" with the word "Clause"
58.1.3	Amend as follows: "... and the Engineer or Employer, as applicable, or by the Mediator's opinion to the extent that it has become binding in terms of Clause 58.2.6
58.2	Dispute resolution is to be by means of mediation.
58.4	Disputes are to be referred for final settlement to litigation.
59	Add the following Clause 59 "No amendments of this Contract or of any provisions or terms hereof and no waiver or relaxation or suspension of any of the provisions or terms of this Contract shall be of any force or effect unless reduced to writing and signed by both the parties hereto."

Tender no:

PART 2: DATA PROVIDED BY THE CONTRACTOR	
1.8	The name of the Contractor is (insert the legal name of the Contractor, as well as the Contractor's registration number, if applicable)
1.2.2	The addresses of the Contractor, where the Contractor shall receive notices, are as follows: Physical Address: Postal Address: Facsimile: Telephone:
7.1	The security to be provided by the Contractor: (a) in respect of contracts up to R1 million, the security to be submitted by the Contractor to the Employer will be a retention of 5% of the Value of Works (excluding VAT) (b) in respect of contracts above R1 million, the Contractor will provide, as security, one of the following: (1) cash deposit of 10 % of the Contract Sum (excluding VAT) Yes ☐ No ☐ (2) variable construction guarantee of 10 % of the Contract Sum (excluding VAT) Yes ☐ No ☐ (3) retention of 10% of the Value of Works (excluding VAT) Yes ☐ No ☐ (4) cash deposit of 5% of the Contract Sum (excluding VAT) and a retention of 5% of the Value of Works (excluding VAT) Yes ☐ No ☐ (5) fixed construction guarantee of 5% of the Contract Sum (excluding VAT) and a retention of 5% of the Value of Works (excluding VAT) Yes ☐ No ☐ NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred

	to above. No alterations or amendments of the wording of the pro-forma will be accepted.
--	--

***APPOINTMENT OF CONTRACTOR FOR DESIGN, SUPPLY, DELIVERY,
INSTALLATION AND COMMISSIONING OF INVERTER BATTERY
BACKUP / SOLAR SYSTEM IN KWA-ZULU NATAL PROVINCE REGION 2
FOR THE PERIOD OF THREE (03) YEARS***

BID: 19/1/9/1/31TB(23)

PART C:

CONTRACT

Part C.1.1

SPECIAL CONDITIONS



SPECIAL CONDITIONS OF THE CONTRACT

SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS



**SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT
OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION &
COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE
PERIOD OF THREE (03) YEARS**

TABLE OF CONTENTS

ABBREVIATIONS.....	3
SECTION A.....	4
1. LEGISLATIVE AND REGULATORY FRAMEWORK.....	4
2. EVALUATION CRITERIA.....	4
3. RESPONSE FIELDS.....	10
4. VALUE ADDED TAX.....	10
5. SUBMISSION OF BIDS.....	10
6. LATE BIDS.....	10
7. COUNTER CONDITIONS.....	11
8. FRONTING.....	11
9. SUPPLIER DUE DILIGENCE.....	11
10. COMMUNICATION.....	12
11. CONTACT DETAILS.....	12
SECTION B.....	13
12. CONTRACT PERIOD.....	13
13. PARTICIPATING DIVISIONS/ PROVINCES FOR THE SAPS.....	13
14. LEGISLATIVE/ REGULATORY AND SPECIAL REQUIREMENTS SPECIFIC TO THIS BID.....	13
15. ADDITIONAL DOCUMENTATION/INFORMATION REQUIRED SPECIFIC TO THIS BID.....	14
16. PRICING STRUCTURE.....	15
17. CONTRACT PRICE ADJUSTMENTS.....	15
18. DELIVERY AND QUANTITIES.....	20
19. QUANTITIES.....	21
20. ROLES AND RESPONSIBILITIES.....	21
21. PLACEMENT OF ORDERS AND PAYMENTS.....	22
23. PRODUCT ADHERANCE/BRAND CHANGE.....	22
24. QUALITY ADHERANCE.....	23



**SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT
OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION &
COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE
PERIOD OF THREE (03) YEARS**

ABBREVIATIONS

BAC	: Bid Adjudication Committee
CPA	: Contract Price Adjustment
CPI	: Consumer Price Index
ROE	: Rates of Exchange
SBD	: Standard Bidding Document
STATS SA	: Statistics South Africa
VAT	: Value- Added Tax



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

SECTION A

1. LEGISLATIVE AND REGULATORY FRAMEWORK

This bid and all contracts emanating there from will be subject to the GCC 2004 and Contract Data. The Special Conditions of Contract are supplementary to that of the GCC Agreement. Where, however, the Special Conditions of Contract are in conflict with the GCC, the Special Conditions of Contract prevail.

2. EVALUATION CRITERIA

2.1 Preference Point System

2.1.1 In terms of regulation of the Preferential Procurement Regulations pertaining to the Preferential Procurement Policy Framework Act, 2022 (Act 5 of 2000), responsive bids will be adjudicated by the State on the 80/20-preference point system in terms of which points are awarded to bidders on the basis of:

- The bid price (maximum 80 points)
- Specific goals (maximum 20 points)

2.1.2 The following formula will be used to calculate the points for price:

$$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{min} = Comparative price of lowest acceptable bid

2.1.3 A maximum of 20 points may be allocated to a bidder for attaining their specific goals of contributor in accordance with the table below:



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Persons historically disadvantaged on the basis of race with at least 51% ownership				
Persons historically disadvantaged on the basis of gender with at least 51% ownership by women				
Persons with at least 51% ownership who are youth				
Persons historically disadvantaged by unfair discrimination on the basis of disability with at least 51% ownership				

- 2.1.4 Bidders are required to complete the preference claim form (SBD 6.1).
- 2.1.5 The points scored by a bidder in respect of the specific goals contribution will be added to the points scored for price.
- 2.1.6 Only bidders who have completed and signed the declaration part of the preference claim form will be considered for preference points.
- 2.1.7 The SAPS may, before a bid is adjudicated or at any time, require a bidder to substantiate claims it has made with regard to preference.
- 2.1.8 The points scored will be rounded off to the nearest 2 decimals.
- 2.1.9 In the event that two or more bids have scored equal total points, the contract will be awarded to the bidder scoring the highest number of preference points for specific goals.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

2.1.10 However, when functionality is part of the evaluation process and two or more bidders have scored equal points including equal preference points for specific goals, the contract will be awarded to the bidder scoring the highest for functionality.

2.1.11 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

2.1.12 A contract may, on reasonable and justifiable grounds, be awarded to a bid that did not score the highest number of points.

2.2 Evaluation method

The evaluation will be conducted as follows:

2.2.1 Mandatory conditions

The Contractor shall ensure that he/she is conversant with the technical specification and applicable standards.

Note: it is the contractor's responsibility to ensure that his/her pricing make provision for the appointment of a registered professional Electrical and structural engineer/Technologist in terms of the Engineering and Profession Act 2000 (Act No.46 of 2000), the contract must have at least one Electrical engineer/Technologist, one structural engineer/Technologist, one safety officer/Agent and one personnel with wiremen's license.

Contractor must demonstrate or prove completion of similar solar installation not less than 8KW.

The Contractor shall complete the functional evaluation criterion table with all information provided in order to ensure their bid is responsive.

The contractor will be obligated in terms of this contract to ensure the Design, supply, delivery; installation & commission of INVERTER BATTERY BACKUP/SOLAR SYSTEM Power at Police Stations are completed within a period of two (2) months after receiving of order form.

The contractor shall fully acquaint themselves with the nature of the work carried out, the locality of the facility and any possible hindrances in the execution of Inverter Battery backup/Solar System, warranty and to allow



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

for these entire factors in their price, as any later claim based on unforeseen events or knowledge will not be entertained.

The contract shall be entirely responsible for referencing all relevant standard specification of the SANS or other applicable published standard whether such standard is referenced in this document or not and ensuring compliance with the Engineering Works therewith. All equipment supplied shall be from suppliers that have proven track record and with aftersales technical support as well as complies with the small scale embedded generation requirement of the municipal area to be installed.

The combination of equipment will be site specific and shall be made in consultation with the SAPS engineer prior to commencement of works including whether a grid tied or hybrid storage system is best suited to user requirements.

After the design, supply, delivery, installation & commissioning of INVERTER BATTERY BACKUP/SOLAR SYSTEM are complete, full training shall be provided by the contractor with detail guidelines.

The contractor shall provide the following:

A full set of AS-BUILT drawings including SLD, DC, AC reticulation detail to the SAPS engineer as part of the handover documentation technical manuals and warrantee documentation on main equipment incl solar panels/inverters/batteries.

Practical completion certificates signed by PrEng/Pr Tech (ECSA)
Commission test results report, Project Closeout Report, Certificate of compliance (COC).

The solar systems envisaged are for the sizes of: 8kVA 1phase, 12kVA 3phase, 50kVA 3phase, 100kVA 3phase or multiples of these sizes.

Hence the bidder shall price the bill of quantities according to these sizes such that any solar system that may be a multiple of this system will then be applied to the pricing provided.

All prices provided for in the rates below shall consider a complete supply and fit of those items in the installation.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

Distribution Board (DB)

The construction must be in accordance with SANS 10142-1:2017.

Openings into distribution boards must tie up with the installation. AC and DC circuitry shall not be in the same distribution box. All earthing requirements shall be included in pricing as well as labelling in DB. The AC DB and DC DB shall be complete with all internal requirements for the solar or battery inverter system to function adequately in accordance with the SANS requirements and shall be included in price where not explicitly separately priced in the Bill of Quantity.

All AC and DC DB shall include SPD class 1 surge protection and shall ensure adequate earth leakage state under particular of tender against each requirement whether the tender comply or do not comply with the requirement of the specification (failure will lead to disqualification of the bid).

CONSULTANTS

The consultants will be responsible to survey the existing electrical installation, provide as built drawings and draw up specifications for the Inverter battery Backup/Solar system and layouts of the proposed system and bill of quantities, inclusive of a comprehensive report with photos. System parameters to be determined with clients inputs. Such specifications, layouts, bill of quantities and report subject to client approval.

The consultants will be responsible to supply the client (SAPS) with a full set of construction drawings, bill of quantities and specifications.

The consultants will be responsible for compiling sets of handover files, containing full specifications, as built drawings, equipment brochures and pamphlets, COC's and final report

All work on site must be accompanied by a safety file with the method statement and approved by SAPS engineer with necessary work at height and occupational safety and COIDA information

ENGINEERING NOTES

ALL distribution boards will be COC'ed individually, irrespective of being contained in a singular frame or cabinet.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

Professional Technologist/Engineer to be responsible with, Design quality inspection, sign off installation and to do close out
No Sprague may be specified or installed.

All conduit, inclusive of galvanised conduit, will be bent with appropriate pipe bending equipment or will be installed with appropriate elbows and bends.

All screw fixtures shall be made utilising Fischer type plugs and screws specific to Fischer type plugs.

NO NAIL-IN OR KNOCK-IN TYPE PLUGS OR SCREW TYPES WILL BE ALLOWED.

Bidder's documents will be scrutinized to establish if all the mandatory conditions are complied with and/or mandatory documents have been submitted. The bids of the Bidders who failed to comply with all the mandatory conditions and/or who failed to submit the mandatory documentation will be declared invalid.

Only bidders that submitted the mandatory documents, accepted the mandatory conditions and met the specification will be further evaluated.

The bidder must fully comply with Specification of the bid. The bidder must indicate in writing **Comply** or **Not Comply** in the relevant column of every field. Failure to do so will be interpreted as **Not Comply**.

The bidder must fully complete and sign all the pages of the Specification and Special Conditions.

2.2.2 Technical evaluation

Bidders offer will be evaluated in accordance with the set specifications.

Only bidders who complied with the mandatory requirements as specified in phase one (1) documents will be scrutinised to ascertain if the bidders comply with the specification.

Only bidders that comply with the specification or have minor acceptable deviations, bids will be evaluated in terms of price – phase three (3).



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

2.2.3 Calculation of points

Points shall be calculated for price as prescribed by the PPPFA. The bidder that scores the highest points for price (max of 80 points) and Specific goals points' max of 20 points will be added to obtain a total of 100 points. The bid will be evaluated and awarded.

3. RESPONSE FIELDS

- 3.1 Bidders are required to submit responsive bids by completing all the prices, mandatory response fields and item questionnaires on the provided pricing schedule for the individual items.
- 3.2 Non-compliance with this condition **will** invalidate the bid for the item(s) concerned.

4. VALUE ADDED TAX

- 4.1 All bid prices must be inclusive of 15% Value-Added Tax.
- 4.2 Failure to comply with this condition may invalidate the bid.

5. SUBMISSION OF BIDS

- 5.1 Bidders **must** submit the bid in hard copy format (paper document) to The Divisional Commissioner: Supply Chain Management, 117 Cresswell Rd Silverton **before** the closing date and time.

The hard copy of the bid response will serve as the legal bid document.

The bid must be **addressed** to The Divisional Commissioner: Supply Chain Management.

- 5.2 Each bid should be submitted in a **separate**, sealed envelope or suitable cover on which the name and address of the bidder, the bid number and the closing date must be clearly endorsed.

6. LATE BIDS

Bids received after the **closing** date and time, at the address indicated in the bid documents, will not be **accepted** for consideration and where practicable, be returned unopened to the bidder.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

7. COUNTER CONDITIONS

Bidders' attention is drawn to the fact that amendments to any of the Bid Conditions or setting of counter conditions by bidders may result in the invalidation of such bids.

8. FRONTING

- 8.1 The South African Police Service supports the spirit of broad based black economic empowerment and recognizes that real empowerment can only be achieved through individuals and businesses conducting themselves in accordance with the Constitution and in an honest, fair, equitable, transparent and legally compliant manner. Against this background the South African Police Service condemn any form of fronting.

The South African Police Service, in ensuring that bidders conduct themselves in an honest manner will, as part of the bid evaluation processes, conduct or initiate the necessary enquiries/investigations to determine the accuracy of the representation made in bid documents. Should any of the fronting indicators as contained in the Guidelines on Complex Structures and

Transactions and Fronting, issued by the Department of Trade and Industry, be established during such enquiry/investigation, the onus will be on the bidder/contractor to prove that fronting does not exist.

Failure to do so within a period of 14 days from date of notification may invalidate the bid/contract and may also result in the restriction of the bidder/contractor to conduct business with the public sector for a period not exceeding ten years, in addition to any other remedies the South African Police Service may have against the bidder/contractor concerned.

9. SUPPLIER DUE DILIGENCE

The South African Police Service reserves the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include site visits.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

10. COMMUNICATION

- 10.1 The Divisional Commissioner: Supply Chain Management: South African Police Service may communicate with bidders where clarity is sought after the closing date of the bid and prior to the award of the contract, or to extend the validity period of the bid, if necessary.
- 10.2 Any communication to any government official or a person acting in an advisory capacity for the State in respect of this bid between the closing date and the award of the bid by the bidder is discouraged.
- 10.3 All communication between the bidder and the Divisional Commissioner: Supply Chain Management must be done in writing.

11. CONTACT DETAILS

11.1 General

The Divisional Commissioner: Supply Chain Management
South African Police Service
Private Bag 254, Silverton
Physical address: 117 Cresswell Rd Silverton, Pretoria

11.2 Bid Enquiries/ Specification /Technical Enquiries

Bid Enquiries

Lt Colonel MS Kekana
Tel: 012 841 7816
Email: KekanaMookho@saps.gov.za

Captain MP Sindane
Tel: 012 841 7503
Email: Sindane@saps.gov.za

CPAC Kenneth Mohlala
Tel: 012 841 7358
Email: MohlalaKK@saps.gov.za



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

Technical Enquiries

Colonel Mulaudzi
Tel: 012 349 6053
Email: MulaudziMD@saps.gov.za

SECTION B

12. CONTRACT PERIOD

- 12.1 The contract period shall be for a period of 36 months (three years) and will commence on the day of acceptance of a bidders proposal and not per financial or calendar year.

13. PARTICIPATING DIVISIONS/ PROVINCES FOR THE SAPS

- 13.1 This is a Provincial Contract which will only be used and managed by the Division Supply Chain Management, Pretoria.

14. LEGISLATIVE/ REGULATORY AND SPECIAL REQUIREMENTS SPECIFIC TO THIS BID

Bidders are required to adhere to the following legislative /regulatory and special requirements. Non-compliance with these conditions will invalidate the bid for such products offered.

- 14.1 Have an active CIDB grading of 5 EP or higher (Electrical Engineering Works – Infrastructure).
- 14.2 The bidder must have at least one Electrical Engineer/Technologist, one Structural Engineer/ Technologist, one Health and Safety officer/Agent, and one personnel with a wiremen's license. Copy of Professional registration, CV with relevant experience (failure to comply with his/her bid will be regarded as non-responsive).
- 14.3 The bidder must have one (1) or more completed projects, proof to be submitted with the bid document (proof of completion certificates/letter/certificate of compliance not older than ten (10) years) (failure to comply with his/her bid will be regarded as non-responsive)
- 14.4 Fully complete and sign all documents and return it with the bid document.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

- 14.5 Full compliance with the attached specifications for inverter battery backup / solar system.
- 14.6 Submit all mandatory documents as required.
- 14.7 All materials used or supplied to the SAPS must be new and must be SANS approved.
- 14.8 Bidders must take cognisance of the fact that the SAPS' requirement is based on an "as-and when-needed"-basis and is **NOT** quantity based. **NO** quantities can be specified or guaranteed and will be dependent on the ad hoc needs of the SAPS. **Bidders must take cognisance of this fact and must submit their prices.**
- 14.9 Payment will only be made after the unit has been delivered, placed, set, connected and accepted by the South African Police Service.
- 14.10 No inferior units or bad workmanship will be accepted or paid for.
- 14.11 **PROFIT MARGIN**

In order to determine if the tariffs and prices submitted in this bid document is reasonable and market related a cost breakdown must be submitted on closing date and time of the bid.

	Percentage %
Direct Labour	%
Other Variable Cost	%
Fixed Cost	%
Profit Before VAT	%
	100%

- 14.11.1 Failure to comply with the above-mentioned conditions **will** invalidate the bid for the item/s concerned.

15 ADDITIONAL DOCUMENTATION/INFORMATION REQUIRED SPECIFIC TO THIS BID

15.1 Format and submission of bid



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

15.1.1 Bidders are required to submit their bids in the following manner:-

Section 1	Standard bidding documents (CIDB, SBD documents)
Section 2	Pricing Schedule and Item Questionnaire
Section 3	Other supporting documentation (CSD, brochures etc.)

16 PRICING STRUCTURE

- 16.1 Prices quoted must be VAT inclusive per unit, item, meter, cubic meter or as indicated.
- 16.2 Prices submitted for this bid must be filled in on the field provided on the pricing schedules supplied with the bid. Price structures that do not comply with this requirement will invalidate the bid.

17 CONTRACT PRICE ADJUSTMENTS

17.1 Formula

17.1.1 Prices submitted for this bid will be regarded as firm for the first year and non-firm for the second year and third year; will be subject to adjustment(s) in terms of the following formula, defined areas of cost and defined periods of time.

17.1.2 Applications for price adjustments must be accompanied by documentary evidence in support of any adjustment claim.

17.1.3 The following price adjustment formula will be applicable for calculating contract price adjustments (CPA).

$Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + + Dn \frac{Rnt}{Rno} \right) + VPt$		
Pa	=	The new adjusted price to be calculated
V	=	Fixed portion of the bid price (15% or 0.15)
Pt	=	Original bid price. Note that Pt must always be the original bid price and not an adjusted price
(1-V)Pt	=	Adjustable portion of the bid price (85% or 0.85).
D1 – Dn	=	Each factor (or percentage) of the bid price, e.g., material, labour, transport, overheads, etc. The total of



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

		the various factors (or percentages) $D1 - Dn$ must add up to 1 (or 100%).
$R1t - Rnt$	=	End Index. Index figure obtained from the index at the end of each adjustment period.
$R1o - Rno$	=	Base Index. Index figure at the time of bidding.
VPt	=	15% (or 0.15) of the original bid price. This portion of the bid price remains fixed, i.e. it is not subject to price adjustment.

17.2 Formula component definitions

17.2.1 Adjustable amount

The adjustable amount is the portion of the bid price which is subject to adjustment. In this bid the adjustable amount is 85% of the original bid price. For example, if the bid price is R1000, then only R850 will be subject to adjustment.

17.2.2 Fixed portion

The fixed portion represents those costs which will not change over the adjustment period and DOES NOT represent the profit margin. In this bid the fixed portion is 15% of the original bid price.

Using the same example as above, it would amount to R150 which will remain fixed over the contract period.

17.2.3 Cost components and proportions

The cost components of the contract price usually constitute the cost of materials (raw material or finished product), cost of direct labour, cost of transport and those other costs which are inclined to change. The proportions are the contribution to the contract price of each of these cost components. In this bid the following cost components will be used to calculate contract price adjustments.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

Bidders are requested to submit the cost breakdown of the bid price for each item with their bid. Should the cost breakdown be the same for all items on the bid, please indicate it clearly in the bid document. Bidders will not be allowed to change the cost breakdown of bid prices during the tenure of the contract.

Successful bidders that are direct importers of raw material/finished product can apply for RoE adjustment under cost element D1. If the successful bidder is not a direct importer of raw material/finished product, cost component D1 would not be applicable and only local cost components (D2 - Dn) would be applicable.

Cost Component	% Contribution
D1- Imported Raw Material/Finished product (if applicable)	
D2 - Local Raw Material/Finished product (if applicable)	
D3 - Labour	
D4 - Transport	
D5 – Other	
TOTAL (Cost components must add up to 100%)	100 %

17.2.4 Applicable indices/references

The applicable index refers to the relevant market index, which is a true reflection of price movement(s) in the cost over time. In this bid the following indices or reference will be applicable:

Cost component	Index Publication	Index Reference
D1 – Imported Raw Material/Finished product (if applicable)	Supplier/Manufacturer invoice(s) and remittance advice. ¹	Documentary evidence to accompany claim.
D2 - Local Raw Material/Finished product (if applicable)	CPI OR Supplier/Manufacturer invoice(s) ²	Documentary evidence to accompany claim

¹ In cases where invoices are supplied as documentary evidence, it is advised that invoices closest to the Base Index date and the End Index date be submitted. It should ideally reflect the adjustment period.

² Same as footnote 1.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

D3 - Labour	Labour agreement ³ OR Stats SA P0141 (CPI) Table E	Labour agreement to be provided OR CPI - All Items
D4 – Transport	STATS SA P0141 (CPI) Table E	Table E - Transport – Other Running Cost
D5 – Other	Specify	Documentary evidence to accompany claim

17.2.5 Base Index Date

The base index date applicable to the formula is defined as the date at which the price adjustment starts. In this bid the base index date is **December 2023**.

17.2.6 End Index Date

The end index dates are the dates at predetermined points in time during the contract period. In this bid the end indices are defined in the next paragraph (Price Adjustment Periods).

17.2.7 Price Adjustment Periods

Adjustment to contract prices must be applied for at the following dates:

Adjustment	CPA application to reach the office at the following dates	End Index Date	Dates from which adjusted prices will become effective	Dates until which adjusted prices will be effective
1 st Adjustment	1 February 2025	March 2025	3 March 2025	31 January 2025
2 nd Adjustment	1 February 2026	March 2026	3 March 2026	31 January 2026

³ In the absence of a labour agreement, the labour cost component will be adjusted with CPI Headline inflation.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

17.3 Rates of Exchange (RoE) – Base and Average rates

In the event where material and/or finished products are imported the following will apply:

17.3.1 The formula described above will be used and the imported cost component of the bid price (D1) will be adjusted taking into account the base RoE rate (refer paragraph 17.3.4) and the average RoE rate over the period under review indicated in paragraph 17.3.6 below.

17.3.2 In the event where the RoE adjustment goes hand in hand with a material/product price increase, the material/product price (in foreign currency) will be converted to South African currency using the base rate (paragraph 17.3.4) for the earlier invoice and the average RoE rate for the period under review as indicated in paragraph 17.3.6 below for the later invoice.

17.3.3 The imported cost component (D1) will be adjusted together with all the other cost components indicated in paragraph 17.2.3 and 17.2.4 above and at the predetermined dates indicated in paragraph 17.2.7 above.

17.3.4 Rate(s) of exchange to be used in this bid in the conversion of the bid price of the item(s) to South African currency is indicated in the table below.

Currency	Rates of exchange
	3 month average for the period 01 December 2023 to 01 January 2024

17.3.5 Should the bidder make use of any other currency not mentioned above, the bidder is requested to calculate the average for the period 01 December 2023 to 01 January 2024 using the Reserve Bank published rates for the specific currency. Visit www.reservebank.co.za to obtain the relevant rates.

17.3.6 Contract price adjustments due to rate of exchange variations are based on average exchange rates as published by the Reserve Bank for the periods indicated hereunder:



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

Adjustment	Average exchange rates for the period:
1 st Adjustment	29 February 2024 to 29 August 2024
2nd Adjustment	30 August 2024 to 28 February 2025

General

- 17.3.7 Unless prior approval has been obtained from the SAPS Bid Adjudication Committee no adjustment in contract prices will be made.
- 17.3.8 Applications for price adjustment must be accompanied by documentary evidence in support of any adjustment.
- 17.3.9 CPA applications will be applied strictly according to the specified formula and parameters above as well as the cost breakdown supplied by bidders in their bid documents.
- 17.3.10 In the event where the supplier's CPA application, based on the above formula and parameters, differs from Contract Management's verification, Contract Management will consult with the supplier to resolve the differences.
- 17.3.11 Bidders are referred to paragraph 7 of the Special Conditions regarding Counter Conditions.

18 DELIVERY AND QUANTITIES

18.1 Delivery Basis

- 18.1.1 It is a requirement of this Bid that delivery must take place as follows after official orders have been received by the successful Bidder.

Table 1: Lead times

Amount of design, supply, delivery and installation and commissioning of inverter backup solar system power per Project	Lead Time
Complete system	2 Months



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

18.1.2 As this bid calls for Provincial delivery provision must be made for delivery anywhere within the borders of the Province. No additional delivery costs will be paid.

19 Quantities

19.1 No quantities are reflected in the bid as orders will be placed on the basis of "as and when required" and no guarantee is given or implied as to the actual quantity which will be procured during the contract period.

SECTION C

20 ROLES AND RESPONSIBILITIES

20.1 Contract Administration

20.1.1 The administration and facilitation of the contract will be the responsibility of the Divisional Commissioner Supply Chain Management and all correspondence in this regard must be directed to the following address:

The Divisional Commissioner: Supply Chain Management, Private Bag X254, Pretoria, 0001.

20.1.2 Contractors must advise the Divisional Commissioner Supply Chain Management immediately when unforeseeable circumstances will adversely affect the execution of the contract. Full particulars of such circumstances as well as the period of delay must be furnished.

20.2 Supplier Performance Management

Supplier performance management will be the responsibility of the Section Head Programme and Project Management at the Division Supply Chain Management and where supplier performance disputes cannot be resolved between the contractor and the relevant purchasing institution.

The Divisional Commissioner: Supply Chain Management: Bid Management must be informed for corrective action.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

21 Placement of Orders and Payments

- 21.1 Orders will and may only be placed per SAPS Supply Chain Management who will be responsible for the payment to contractors for goods delivered and/or services rendered.
- 21.2 Contractors should note that the order(s) will be placed as and when required during the contract period and delivery points will be specified.
- 21.3 The instructions appearing on the official order form regarding the supply, dispatch and submission of invoices must be strictly adhered to and under no circumstances should the contractor deviate from the orders issued by the SAPS.
- 21.4 The South African Police Service is under no obligation to accept any quantity which is in excess of the ordered quantity.

22. Delivery Adherence

- 22.1 Delivery of goods/services must be made in accordance with the instructions appearing on the official order forms.
- 22.2 It is a requirement of this Bid that delivery must take place as follows after official orders have been received by the successful Bidder.

Table 1: Lead times

Amount of design, supply, delivery and installation and commissioning of inverter backup solar system power per Project	Lead Time
Complete system	2 Months

- 22.3 Non-compliance to the above-mentioned delivery dates will result in the enforcement of penalties in terms of GCC 2004 and Contract Data.

23 PRODUCT ADHERANCE/BRAND CHANGE

- 23.1 In the event where a bidder offers a specific brand against an item and the item is subsequently awarded to the bidder, it is required of the successful bidder to continue to supply the brand awarded throughout the contract period.

86



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

23.2 In the event that the brand is discontinued, the Divisional Commissioner: Supply Chain Management: Bid Management must be notified of such an occurrence.

24 Contractors are not allowed to deliver a different brand other than the brand awarded to them prior to an approval of brand change from The Divisional Commissioner: Supply Chain Management, SAPS.

25 QUALITY ADHERANCE

25.1 If the delivered supplies are not in accordance with the contract requirements, the cost of inspections, tests and analysis done by an independent testing facility shall be defrayed by the contractor.

25. CERTIFICATES OF COMPLIANCE AND LOCAL AUTHORITY REGISTRATION LETTER FOR BOREHOLE

25.1 An electrical compliance certificate must be issued with each complete system installed

25.2 An electrical compliance certificate must be issued after connection to the main power supply, for each unit

25.3 Borehole registration certificate/ letter from the local authority must be issued for borehole drilled, for each borehole.

25.4 Failure to submit the electrical compliance certificates and/or letter borehole registration(s) will lead to non- acceptance of the borehole system(s) and subsequent no payment.

26. PENALTIES FOR LATE COMPLETION

26.1 Where the contractor fails to bring the works or sections thereof to practical completion on the date or dates stated in the schedule or revision thereof in terms of Clause 43.1 of GCC 2004, the contractor shall be liable to the employer for penalty per calendar day for no completion of the works or each section thereof at the rate in the schedule. The principal-agent shall calculate the penalty due from the date or revised date in terms of Clause 43.1 up to and including the actual date of practical completion of the works or section thereof or the date of cancellation in terms of Clause 56.3.



SPECIAL CONDITIONS OF CONTRACT: BID FOR THE APPOINTMENT OF CONTRACTOR: DESIGN, SUPPLY, DELIVERY; INSTALLATION & COMMISSION OF INVERTER BATTERY BACKUP/SOLAR SYSTEM: FOR THE PERIOD OF THREE (03) YEARS

26.3 Penalties shall be calculated proportionally on the contract value of each phase of the projects.

CALCULATION OF PENALTIES PER DAY (EXCLUDING VAT)

The penalty for failing to complete the works is 0.1% of the contract amount per calendar day. (The contract amount and penalty amount will be determined per site)

CONTENTS OF SPECIAL CONDITIONS

I/we, the undersigned, hereby declare that I/we have read and understand the above and agree to be bound by the stated terms and conditions.

NAME OF BIDDER: _____

CAPACITY: _____

SIGNATURE: _____

DATE: _____

**APPOINTMENT OF CONTRACTOR FOR DESIGN, SUPPLY, DELIVERY,
INSTALLATION AND COMMISSIONING OF INVERTER BATTERY
BACKUP / SOLAR SYSTEM IN KWA-ZULU NATAL PROVINCE REGION 2
FOR THE PERIOD OF THREE (03) YEARS**

BID: 19/1/9/1/31TB(23)

PART C

CONTRACT

PART C.2.

SCOPE OF WORK AND BILLS OF QUANTITIES



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.



SOUTH AFRICAN POLICE SERVICE

**DESIGN, SUPPLY, DELIVERY, INSTALLATION & COMMISSIONING
OF INVERTER BATTERY BACKUP/SOLAR SYSTEM**

KWA ZULU NATAL PROVINCE REGION 2

(KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA)

ENGINEERING CONTRACT: THREE YEARS

**COMPILED BY: SAPS, Facility Management: Pretoria
JULY 2023**

M MULAUDZI
Tell: (012) 349 6058
E-Mail: mulaudzimd@saps.gov.za

SWJ GROBBELAAR
Tell: (012) 845 8954
E-Mail: grobelaarswj@saps.gov.za

SIGNATURE OF THE BIDDER.....

Page 1

90



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

TABLE OF CONTENTS

Chapter	Description	Page
1.	INTRODUCTION.....	4
2.	SCOPE OF WORKS	4
3.	REGULATIONS, STANDARDS AND REFERENCES.....	5
4.	NOTICE TO BIDDER.....	6
5.	TECHNICAL REPORT AND SPECIFICATION	8
6.	CLEANING OF SITE	9
7.	SPECIAL CONDITION OF THE CONTRACT.....	9
8.	INSTALLATION DURATION AND SCOPE OF WORKS BATTERY BACK UP/SOLAR SYSTEM	10
9.	CONDITIONS OF CONTRACT INCL SAFETY	11
10.	SPECIFICATIONS FOR MATERIALS AND EQUIPMENT OF ELECTRICAL INSTALLATIONS ...	11
10.1	INVERTER- GRID TIED OR HYBRID TYPE	12
10.2	LITHIUM BATTERY	13
10.3	SOLAR PANELS	14
10.4	DISTRIBUTION BOARD (DB)	15
10.5	CABLE TRAYS.....	15
10.5.1	METAL CABLE TRAYS	15
10.5.2	ACCESSORIES	15
10.6	PVC - INSULATED CABLES.....	15
10.7	PVC - SHEATHED ALUMINIUM-COVERED CABLES.....	16
10.8	LABELLING	16
10.9	CIRCUIT BREAKERS AND FUSES	16
10.10	INSTALLATION OF CABLES AND EARTHING	17

SIGNATURE OF THE BIDDER

Page 2

91



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE,UMZINYATHI,ZULULAND &AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

10.13	TRENCHING.....	17
10.19	INSPECTIONS, TESTING, COMMISSIONING AND HANDING OVER	21
11	CLEANING OF SITE	22
12	PREAMBLES TO SCHEDULE OF QUANTITIES	22
12.1	DETAIL SCHEDULES OF QUANTITIES	23
	PRELIMINARY & GENERAL	23

SIGNATURE OF THE BIDDER.....

Page 3

92



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE,UMZINYATHI,ZULULAND &AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

1. INTRODUCTION

The South African Police Service under Supply Chain Management Division has a requirement to Design, supply, delivery, installation & commission of INVERTER BATTERY BACKUP/PV SOLAR for POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE,UMZINYATHI,ZULULAND &AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

2. SCOPE OF WORKS

The works comprises of Design, supply, delivery, installation & commissioning of INVERTER BATTERY BACKUP/PV SOLAR SYSTEM Power for POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE,UMZINYATHI,ZULULAND &AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2

The Contractor will provide all equipment's, labour, materials, transportation,test, installation & commissioning of INVERTER BATTERY BACKUP/SOLAR SYSTEM Power for POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE,UMZINYATHI,ZULULAND &AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2 to supply Critical areas, CSC, Cells , passages, outside lights.

The Contractor will issue Certification of Compliance (COC) for all work done.

The Contractor will design, supply, delivery, installation & commissioning of INVERTER BATTERY BACKUP/SOLAR SYSTEM with the following items:

- Solar Panels- Only Tier 1 allowed
- Solar Grid Tied and Hybrid invertors .
- Lithium-ion Battery Storage where applicable.
- Switches, wiring, mountings , rails ,cables ,lugs , Fuses ,connectors, AC,DC combiner box and all accessories.

SIGNATURE OF THE BIDDER.....

Page 4

93



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

The Contractor shall ensure that he/she is conversant with the technical specification and applicable standards.

Note: it is the contractor's responsibility to ensure that his/her pricing make provision for the appointment of a registered professional Electrical, civil and structural engineer/technologist in terms of the Engineering and Profession Act 2000 (Act No.46 of 2000)

The Contractor shall complete the functional evaluation criterion table with all information provided in order to ensure their bid is responsive.

Based on the outcome of the functional evaluation, the successful bidder shall proceed further in the evaluation where the financial considerations are taken into account as follows.

The bidder shall ensure that all information is provided to support the functional evaluation as omission of incomplete information shall render the bidder unsuccessful.

3. REGULATIONS, STANDARDS AND REFERENCES

The entire installation shall be carried out to the satisfaction of the SAPS, Facility Management, and shall be carried out in accordance with the following Standard Specifications and Regulations including but not limited to.

- SANS 10400: The application of the National Building Regulations.
- All municipal regulations pertaining to building codes and health and safety requirements.
- South African Occupational Health and Safety Act (Act 85 of 1993).
- ISO 9000/9001 Quality Management Systems.
- SANS 1186 Symbolic safety signs
- SANS 1632 Batteries
- SANS 1652 Battery chargers – industrial type
- SANS 10140 Identification colour marking
- SANS 60529 Degrees of protection provided by enclosures
- SANS 10142-1 Wiring of Premises
- SANS 10198-8 Cable laying and Installation
- SANS 10400 Building regulations
- SANS 10142-2 Medium voltage installations above 1kv a.c. not exceeding 22kv.
- SANS 61084-1-2 Electrical Installation Ducting and Trunking Systems on walls and ceilings

SIGNATURE OF THE BIDDER.....

Page 5

94



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

- SANS 61305-1-2.4 Electrical Installation Conduit Fittings
- SANS 767- 1-2 Electrical Earth Leakage Protection units
- SANS 45001 Occupational Health and Safety Act No. 85 of 1993
- SANS 62109-1/ IEC 62109-2
- NRS 097-2-1: Inverters shall be certified and operate according to SANS 62109-1, IEC 62109-2 and NRS 097-2-1
- The municipal by-laws and any specific requirements of the Local Supply Authority of the area or district concerned.
- Local Fire Regulations

4. NOTICE TO BIDDER

This tender is for the Design, supply, delivery, installation & commission of INVERTER BATTERY BACKUP/SOLAR SYSTEM Power at POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

The contractor will be obligated in terms of this contract to ensure Design, supply, delivery, installation & commission of INVERTER BATTERY BACKUP/SOLAR SYSTEM Power at POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2 are completed within duration stipulated.

The contractor shall fully acquaint themselves with the nature of the work carried out, the locality of the facility and any possible hindrances in the execution of Inverter Battery backup/Solar System, warranty and to allow for these entire factors in their price, as any later claim based on unforeseen events or knowledge will not be entertained.

The contract shall be entirely responsible for referencing all relevant standard specification of the SAPS and SANS or other applicable published standard whether such standard is referenced in this document or not and ensuring compliance with the Engineering Works therewith. All equipment supplied shall be from suppliers that have proven track record and with aftersales technical support

SIGNATURE OF THE BIDDER.....

Page 6

95



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

as well as complies with the small scale embedded generation requirement of the municipal area to be installed.

The references in this document to standard specification shall not be construed as limiting, and are given merely as a guide for basic reference. Where SABS is stated, the applicable SANS shall apply. The SAPS further reserve the right to accept or decline such variations.

- Any equipment or part of the equipment shall not be removed from devolved and non-devolved facilities for repairs or otherwise unless permission is granted by POLICE STATION in consultation with Division Supply chain Management /Facility Management Programme and Project Management. If it happens that such equipment or part of the equipment is removed without the permission, such equipment or part of the equipment will be returned to where it was taken at no cost to SAPS.
- All installations must adhere to local wiring regulations and standards.
- This contract required Grading of 5 EP or higher (Electrical Engineering Project Works).
- For the bid submission a Bill of Quantity (BoQ) is provided below.
- Sizes of 8kW single phase, 12kW 3phase, and 50kW 3phase is priced herein, but the size of the backup/solar plants may vary as per the table below. In the interest of standardizations, spares and ease of maintenance and operation, these system and component sizes will be utilized in multiples of the equipment where the required power on site exceed a single size as per the table below, and the information provided will be multiplied accordingly to meet the requirements.
- Note that the equipment and pricing must permit scaling and parallelizing of equipment for more power to facilitate this requirement of selecting different battery, inverter and solar combinations
- The below table is a simple guide and may vary in terms of solar power kWp, inverter power kVA and battery storage capacity.kWh
- The battery storage indicated is an estimate only based on peak demand of C2 rating
- The solar size is dependent on the permissible roof space or not and also maximum DC input of the inverter assumed
- The table is a guide only to intended system sizing from the BoQ

SIGNATURE OF THE BIDDER.....

Page 7

96



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

item	Power required @ site	System size proposed from BoQ	Estimated Storage size proposed from BoQ	Estimated Solar kWp
1	8kW@220VAC	8kW x1	15.2kWh	8kWp
2	12kW@400VAC	12kW x1	20kWh	12kWp
3	16kW@ 220VAC	8kW x2	30kWh	16kWp
4	25kW@400VAC	12kW x2	40kWh	40kWp
5	50kw@400VAC	50KW x1	100kWh	100kWp
6	100kW@400VAC	50KX x2	120kWh	120kWp
7	150KW@400VAC	50kw x3	200kWh	150kWp
8				

The combination of equipment will be site specific and shall be made in consultation with the SAPS engineer prior to commencement of works including whether a grid tied or hybrid storage system is best suited to user requirements

5. TECHNICAL REPORT AND SPECIFICATION

After the design, supply, delivery, installation & commissioning of INVERTER BATTERY BACKUP/SOLAR SYSTEM are complete, full training shall be provided by the contractor with detail guidelines.

The contractor shall provide:

- a full set of AS-BUILT drawings including SLD, DC, AC reticulation detail to the SAPS engineer as part of the handover documentation
- technical manuals and warrantee documentation on main equipment incl solar panels/inverters/batteries
- Practical completion certificates signed by PrEng/Pr Tech (ECSA)
- Commission test results report
- Project Closeout Report
- Certificate of compliance (COC)

SIGNATURE OF THE BIDDER

Page 8

97



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

6. CLEANING OF SITE

- After completion of construction activities, the contractor shall remove all his equipment and site facilities from the site and leave the site in a tidy condition. The cost thereof must be included for in the P & G's.

7. SPECIAL CONDITION OF THE CONTRACT

STATE UNDER PARTICULAR OF TENDER AGAINST EACH REQUIREMENT WHETHER THE TENDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION (FAILURE WILL LEAD TO DISQUALIFICATION OF THE BID) (Please do not make a tick or ✓ / X)		Comply / not Comply
7.1	This tender is for the Design, supply, delivery, installation & commission of INVERTER BATTERY BACKUP/SOLAR SYSTEM Power at POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2. Decommissioned of outmoded or damaged equipment will remain the property of the SAPS (as specified in this document).	
7.2	The contractor will be obligated in terms of this contract to ensure the Design, supply, delivery, installation & commission of INVERTER BATTERY BACKUP/SOLAR SYSTEM at Police Stations are completed within a period of two (2) months after receiving of order form. The Contractor shall fully acquaint them with the nature of the work to be carried out, the locality of the facility and any possible hindrances in the execution of the installation and to allow for all of these factors in their prices, as any later claim bases on unforeseen events or knowledge will not be entertained. (as specified in this document)	
7.3	Supply and install symbolic safety signs in compliance with SANS 1186-4: 2004. Ensure that all required warning signs on the outside of the building or BATTERY BACK UP/SOLAR SYSTEM facility are to be in position. The lettering must be readable and visible and in a good state. (as specified in this document)	
7.4	Final Delivery will not be taken unless proof can be provided, by means of signed job cards by the responsible official on site, indicating that such services were carried out. All job cards will be certified and sign-off by the relevant SCM Representatives. All original job-cards must be attached to the applicable invoices, for payment purposes. The applicable documentation, such as load test certificates, COC, and photos, should be attached to the job-cards, as part of the supporting documentation. The contractor will supply job cards in accordance with the example including herein. The job card must be completely legibly in black ink after completion of each service and/or maintenance.	
7.5	Electrical Connections –Wiring must be designed and installed as prescribed by SABS 1042 wiring of buildings. (as specified in this document)	
7.6	Throughout the work shall be executed to the highest standards and to the entire satisfaction of the SAPS, SCM Representative who shall interpret the meaning of the Contract Document and shall have the authority to reject any work and materials, which, in his judgment, are not in full accordance therewith. <u>All condemned material and workmanship shall be replaced or rectified as directed and approved by the SAPS, SCM Representative.</u> All work shall be executed in a first-class manner by qualified expert. The Contractor shall warrant that the materials and workmanship shall be of the highest grade, that the equipment shall be installed in a practical and first-class manner in accordance with the best practices and ready and complete for full operation. It is specifically intended that all material or labour which is usually provided as part of such	

SIGNATURE OF THE BIDDER.....

Page 9

98



PART C 2: DESIGN, SUPPLY, DELIVERY, INSTALLATIONS & COMMISSIONING OF BATTERY BACKUP/SOLAR SPECIFICATIONS AT POLICE STATIONS (KING CETSHWAYO, UMKHANYAKUDE, UMZINYATHI, ZULULAND & AMAJUBA) IN KWA ZULU NATAL PROVINCE REGION 2.

	equipment as is called for and which is necessary for its proper completion and operation shall be provided without additional cost whether or not shown or described in the Contract Document.	
7.7	The Contractor shall comply with the requirements of the Health & Safety Specification and applicable regulations. The contractor shall refer to the site information, and the specifications describing the scope of the Engineering Works, for information about the type of environment in which the work is to be executed. Notwithstanding anything stated in this document the contractor shall be responsible for determining the safety requirements of the site. (as specified in this document)	
7.8	All electrical cables, unarmored and armored, shall be locally manufactured and shall bear the SABS stamp of approval.	
7.9	All new BATTERY BACK UP/SOLAR SYSTEM will be designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002 standards.	
7.10	New equipment and material shall be supplied with a written guarantee confirming a defects liability period of 12 months from date of practical completion. These guarantees shall be furnished in favour of the SAPS.	
7.11	Equipment and material installed shall be new and unused.	
7.12	The Contractor shall ensure that all safety regulations and measures are applied and enforced during repair work on cabling, wiring, distribution boards, luminaires, power points and fixed appliances.	

8. INSTALLATION DURATION AND SCOPE OF WORKS BATTERY BACK UP/SOLAR SYSTEM

The Installation duration and scope of works for INVERTER BATTERY BACKUP/SOLAR SYSTEM for various facilities throughout the Province shall be provided by a simple GANTT diagram from Microsoft projects showing the installation time scales and Milestones and activities for a typical rooftop solar battery backup site of (eg 50kWp with 50kWh Battery Storage).

Prior to installation, the bidder shall provide a single line diagram with the cable ratings and protection gear clearly designed and market to show the project engineer , after design by the design PrEng/PrTech who will take responsibility of Design.

The FOR CONSTRUCTION drawings will also include a DC wiring schematic indicating the string arrangements proposed for the solar DC side of the installation where applicable as well as the DC battery connection and protection proposed in the installation.

SIGNATURE OF THE BIDDER.....

Page 10

99



9. CONDITIONS OF CONTRACT incl SAFETY

The Contractor shall comply with the obligations and requirements of the Agreement and Contract Data documents contained in Part C1 including the General Conditions of Contract 2004 (GCC 2004).

The Contractor shall allow for all the responsibilities and obligations in terms of the conditions of contract and contract data, including;

- Risks, costs and obligations in terms of the General Conditions of Contract, the Contract Data and of the standardized specifications, except where provision is made in the Project Specifications to cover compensation for any of these items.
- Head office, site overheads and supervision.
- Profit and financing costs.
- Sureties, employment-related expenses, statutory expenses.
- Indemnities & insurances: The contractor will only be permitted to perform work on the site if a valid insurance policy document and proof of cover or premium payment have been submitted and approved.
- The Contractor shall maintain current registration and have paid the necessary fees to the Compensation Commissioner in compliance with the Compensation for Occupational Injuries and Diseases Act, No 130 of 1993 (COID). The contractor will only be permitted to perform work on any site if a valid Letter of Good Standing issued by the Compensation Commissioner has been submitted and approved.
- A detailed program for the execution of the engineering works, Maintenance works and Installation works for the whole of the contract period, listing each facility, its location and fixed dates of maintenance. The contractor will be required to comply with the program at all times.
- Expenses of a general preliminary and general nature not specifically related to any item or items of permanent or temporary work.
- All work on site shall carry a safety file with method statement and necessary OHSE approval including work at height

10. SPECIFICATIONS FOR MATERIALS AND EQUIPMENT OF ELECTRICAL INSTALLATIONS

The solar systems envisaged are for the sizes of: 8kVA 1phase, 12kVA 3phase, 50kVA 3phase, 100kVA 3phase or multiples of these sizes.