

CITY COUNCIL MINUTES

November 20, 2023

**Standard Purchasing Resolution 2: Award to Low Bidder Meeting Specifications –
Portable Ventilation Fans – Fire Department**

Resolution #2023-11-166-J-4a

RESOLVED, That Troy City Council hereby AWARDS the purchase of six (6) Commando-Dual BlowHard PPV Fans to the low bidder meeting specifications, MacQueen Equipment, LLC of St. Paul, MN, for an estimated total cost of \$27,324.00, at the unit price of \$4,554.00 as contained in the bid tabulation opened November 9, 2023, a copy of which shall be ATTACHED to the original Minutes of this meeting.

BE IT FURTHER RESOLVED, That the award is CONTINGENT upon the contractor's submission of properly executed bid and proposal documents, and all other specified requirements.

PURCHASE ORDER

No. 2024-00000654
 DATE: 12/04/2023
 PAGE: 1 of 1
 FOB DESTINATION

Ship To
 CITY OF TROY
 Fire
 500 W BIG BEAVER RD
 TROY, MI 48084

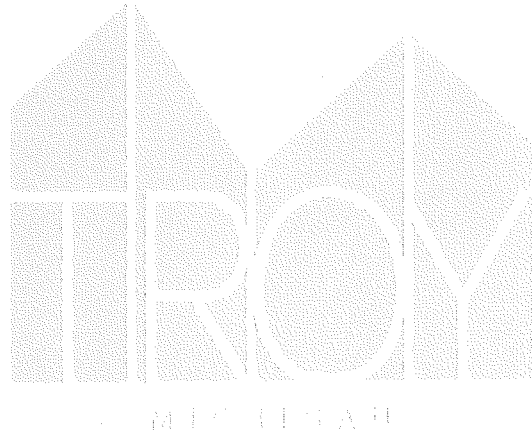
Bill To
 CITY OF TROY
 Fire
 500 W BIG BEAVER RD
 TROY, MI 48084

COUNCIL RESOLUTION
 2023-11-166-J-4a

VENDOR NO. 177083

Vendor
 MACQUEEN EMERGENCY
 1125 7TH STREET EAST
 ST PAUL, MN 55106

QUANTITY	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
6	Each	Commando-Dual BlowHard PPV Fans	4,554.0000	\$27,324.00



Entered By: Andrew Chambliss

\$27,324.00

Special Instructions:

CITY COUNCIL AWARD DATE: 11/20/2023. Contract for Standard Purchasing Resolution 2: Award to Low Bidder Meeting Specifications – Portable Ventilation Fans, Fire Department in accordance with the specifications of ITB-COT 23-34.

TERMS & CONDITIONS

1. Purchases of Municipalities are exempt from State Sales and Federal Excise Taxes.
2. Prior to acceptance, vendor agrees to provide City with information under the Right-to-Know Law, P.A. 1986, No. 80, and fully comply with all terms and conditions of the Michigan Occupational Safety and Health Act, MCL 408.1001, et seq. including vendor shall provide City with an "MSDS". Vendor also agrees to be responsible for all required labeling.
3. In cases of emergency/disaster, the City can purchase up to six(6) times the order amount for a period of six(6) months at the price contained in the contract.
4. Purchase Orders are signed electronically based upon computer generated "on-line" authorized approvals. Authentic signatures are on file in the City of Troy Purchasing Department.

NOTICE: The City could put the vendor on notice that vendors will be held financially responsible for any claims or awards made against the City as a result of the vendor's action. If the City has to defend the initial lawsuit, the City will bring in the vendor as a co-defendant or sue the vendor, either as the result of settling a claim or the conclusion of the lawsuit.

I HEREBY CERTIFY THAT THIS ORDER IS PROPERLY AUTHORIZED AND APPROVED.

Andrew K. Chambliss

Opening Date: 11/09/2023
 Date Reviewed: 11/09/2023

CITY OF TROY
 BID TABULATION
 PORTABLE VENTILATION FANS

ITB-COT 23-34
 Page 1 of 1

VENDOR NAME:	MacQueen Emergency	Municipal Emergency Services, Inc.
CITY:	St. Paul, MN	
CHECK NUMBER:	2230958	6595301836
CHECK AMOUNT:	\$1,650.00	\$1,650.00

PROPOSAL: FURNISH SIX (6) PORTABLE VENTILATION FANS FOR THE CITY OF TROY FIRE DEPARTMENT

Qty	Proposal	Description	Price (Each)	Price (Each)
6	Dual Powered Ventilation Fan	Model: Commando-Dual Blowhard PPV fan. 24" High Flow Jet Fan Dual Power Battery & Plug In Size: 25 1/4" x 25 1/4" x 10 1/2" - Battery or AC powered	\$4,554.00	\$4,869.04 (If all fans are ordered at once)
GRAND TOTAL:			\$27,324.00	\$29,214.24

Note: Price \$5,266.96 ea/ If fans are ordered separately; Total = \$31,601.76

CONTACT INFORMATION:	HOURS OF OPERATION:	9-5	8am - 5pm
	CONTACT PERSON:	Ian Griffin	Mike Berent
	24 HOUR PHONE NO.:	586-206-0067	313-231-3889
	PHONE NO.:	586-206-0067	313-231-3889
	PRODUCT LEAD TIME:	4-6 Weeks	8-11 Weeks
	WARRANTY:	2 Years	See Attached Warranty Sheet
	AUTHORIZED DEALER: Y or N	Y	Y
	REFERENCES: Y or N	Y	Y
	PAYMENT TERMS:	Net 30	Net 30
	EXCEPTIONS:	None	None
	ACKNOWLEDGMENT: Y or N	Y	Y
	FORMS: Y or N	Y - 3 Forms	Y - 3 Forms

Attest:
 (*Bid Opening conducted via Zoom)
 Dennis Trantham
 Andrew Chambliss
 Nellie Bert
 Martinique Gates

Emily Frontera
 Purchasing Manager



CITY OF TROY
BID PROPOSAL

ITB-COT 23-34
Page 1 of 4

The undersigned proposes to FURNISH SIX (6) PORTABLE VENTILATION FANS FOR THE CITY OF TROY FIRE DEPARTMENT in accordance with the attached specifications. The specifications are to be considered an integral part of this bid proposal, at the following prices:

COMPANY NAME: MacQueen Equipment, LLC dba MacQueen Emergency

QTY	Proposal	Description	Price
6	Dual Powered Ventilation Fan	Model: Commando-Dual Blowhard PPV fan. 24" High Flow Jet Fan Dual Power Battery & Plug In Size: 25 1/4 "x 25 1/4 "x 10 1/2 "- Battery or AC powered	\$ <u>4554</u> /ea
TOTAL \$			<u>27324</u>

NOTE: Prices are per unit and shall Include ALL charges. No additional delivery costs, handling, packaging and service charges, etc. will be accepted.

INFORMATION:

For additional general information or questions concerning this project please contact **Emily Frontera, Purchasing Manager**, at (248) 680-7291 between the hours of 8:00 a.m. and 4:00 p.m., Monday through Friday.

DESIGNATED CITY REPRESENTATIVE:

Eric Emmons, Fire Lieutenant at (248) 524-3421 (Eric.Emmons@troymi.gov) is the designated City Representative for this project.

CONTACT INFORMATION:

Hours of operation: 9-5 24 Hour Phone No. 5862060067

Contact Person: Ian Griffin Phone No. 5862060067

PRODUCT LEAD TIME: 4-6 Weeks

WARRANTY:

Manufacturer Warranty: 2 years

AUTHORIZED DEALER:

- Our company is an authorized distributor of this equipment
- Our company is not an authorized distributor of this equipment.

COMPANY NAME: MacQueen Equipment, LLC dba MacQueen Emergency

ALTERNATES:

No substitutes or alternates will be accepted.

DOWNPAYMENTS AND PREPAYMENTS:

Any bid submitted which requires a down payment or prepayment for services prior to performance and acceptance, as being in conformance with specifications will not be considered for award. No payments will be made until work/service is performed to the satisfaction of the authorized City representative.

MATERIAL AVAILABILITY:

Bidders must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of their bid, and confirm delivery times. It is the responsibility of the bidder to notify the City immediately if items specified are discontinued, replaced, or not available for an extended period of time.

DELIVERY:

Fans shall be delivered to the City of Troy Fire Department Storage Building, 4703 Rochester Road, Troy MI, 48085, Attention Eric Emmons.

AWARD:

The evaluation and award of this bid shall be a combination of factors, including but not limited to: cost, professional competence, equipment, references, and the correlation of the bid proposal submitted to the needs of the City of Troy.

The City of Troy reserves the right to award this bid to the lowest responsible total bidder meeting specifications; to reject low bids which have major deviations from specifications; to accept a higher bid which has only minor deviations; whatever is deemed to be in the City's best interest.

LOCAL PREFERENCE:

The City of Troy reserves the right to award a contract to a local business, one which pays City of Troy taxes (real and/or personal), if the bid of a local vendor is within 5% of the lowest responsive and responsible non-local bidder, then the local vendor is given one chance to match the low bid.

BID DEPOSIT AND FORFEITURE:

The bid deposit of the lowest bidder shall be forfeit if, after bid opening, a change in the bid price or other provision of the bid is required by the bidder that is prejudicial to the interest of the City of Troy or fair competition.

CONTRACT FORMS:

Bidders should complete the Legal Status of Bidder, Non-Collusion Affidavit, Certification regarding Debarment, the Certification regarding "Iran Linked Business" and the Familial Disclosure forms and submit with your electronic bid proposal.

COMPANY NAME: MacQueen Equipment, LLC dba MacQueen Emergency

PURCHASE ORDER:

After the Troy City Council has approved the award recommendation, the successful bidder will receive a purchase order issued from the City of Troy, which will create a bilateral contract between the City of Troy and the successful bidder. The purchase order shall commit the bidder to deliver the trailers in accordance with the bid specifications. A contract document will not be issued.

REFERENCES:

The City of Troy requires that your company list at least three (3) government customers who have recently purchased trailers provided by your company.

COMPANY: Birmingham Fire Department
ADDRESS: 572 S Adams rd Birmingham MI 48009
PHONE: 248-530-1900 CONTACT: Matt Bartalino
EMAIL: mbartalino@bhamgov.org

COMPANY: Battle Creek Fire Department
ADDRESS: 195 E Michigan Ave Battle Creek MI, 49014
PHONE: 269-966-3519 CONTACT: Bill Beaty
EMAIL: fireadmin@battlecreekmi.gov

COMPANY: Mattawan Fire Department
ADDRESS: 55697 N main St, Mattawan Mi 49071
PHONE: 269-668-3122 CONTACT: Scott Brooks/Shannon White
EMAIL: none provided

COMPANY NAME: MacQueen Equipment, LLC dba MacQueen Emergency

Type text here

SIGNATURE PAGE

PRICES:

Prices shall remain firm for 60 days or bid award, whichever comes first, except the successful bidder whose prices shall remain firm through project completion.

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE: Ian Griffin

NOTE:

The undersigned has checked carefully the bid figures and understands that he/she shall be responsible for any error or omission in this bid offer and is in receipt of all addenda as issued.

TAX ID: 410845185

COMPANY: MacQueen Equipment, LLC dba MacQueen Emergency

ADDRESS: 1125 7th Street East CITY: St. Paul STATE: MN, ZIP: 55106

PHONE: (800) 832 6417 FAX NUMBER: ()

REPRESENTATIVE NAME: Ian Griffin

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE: Ian Griffin (Print)

PAYMENT TERMS: Net 30 WARRANTY: **AS SPECIFIED**

BID CHECK NO: 2230958 E-MAIL: ian.griffin@macqueengroup.com

EXCEPTIONS:

Any exceptions, substitutions, deviations, etc. from the City of Troy specifications and this proposal must be stated below and reason for, and are an integral part of this bid proposal offer.

ACKNOWLEDGEMENT:

I, Ian Griffin, certify that I have read the **Instructions to Bidders** (3 Pages) and that the bid proposal documents contained herein were obtained directly from the City's Purchasing Department or MITN website, www.mitn.info and is an official copy of the Authorized Version.

SIGNATURE OF AUTHORIZED COMPANY REPRESENTATIVE: Ian Griffin

IMPORTANT:

All City of Troy purchases require a MATERIAL SAFETY DATA SHEET, where applicable, in compliance with the MIOSHA "Right to Know" Law. Please include a copy of any relevant SDS at the time of bid submission.

NOTE:

The City of Troy, at their discretion, may require the bidder to supply a Financial Report from an impartial Financial Credit Reporting Service before award of contract.

U.S. FUNDS:

All prices are to be quoted in U. S. Currency.



VENDOR CERTIFICATION THAT IT IS NOT AN "IRAN LINKED BUSINESS"

Pursuant to Michigan law, (the Iran Economic Sanctions Act, 2012 PA 517, MCL 129.311 et seq.), before accepting any bid or proposal, or entering into any contract for goods or services with any prospective Vendor, the Vendor must first certify that it is not an "IRAN LINKED BUSINESS", as defined by law.

Table with 2 columns: Vendor, and details including Legal Name (MacQueen Equipment, LLC dba MacQueen Emergency), Street Address (1125 7th Street East), City (St. Paul), State, Zip (MN, 55106), Corporate I.D. Number/State (410845185), and Taxpayer I.D. # (41-0845185).

The undersigned, with: 1.)full knowledge of all of Vendors business activities, 2.)full knowledge of the requirements and possible penalties under the law MCL 129.311 et seq. and 3.) the full and complete authority to make this certification on behalf of the Vendor, by his/her signature below, certifies that: the Vendor is NOT an "IRAN LINKED BUSINESS" as require by MCL 129.311 et seq., and as such that Vendor is legally eligible to submit a bid and be considered for a possible contract to supply goods and/or services to the City of Troy.

Signature of Vendor's Authorized Agent: [Handwritten Signature: Jeremy Ware] Type text here

Printed Name of Vendor's Authorized Agent: Jeremy Ware

Witness Signature: [Handwritten Signature: Ian Griffin]

Printed Name of Witness: Ian Griffin



CITY OF TROY
OAKLAND COUNTY, MICHIGAN
NON-COLLUSION AFFIDAVIT

TO WHOM IT MAY CONCERN:

Ima Griffin, being duly sworn deposed, says that he
(Print Full Name)

is SALES REP. HASVEEN EMERGENCY the party making the foregoing proposal or bid,
(State Official Capacity in Firm)

that such bid is genuine and not collusion or sham; that said bidder has not colluded, conspired, connived, or agree, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding and has not in any manner directly or indirectly sought by agreement or collusion, or communication or conference, with any person to fix the bid price or affiant or any other bidder, or to fix any overhead, profit, or cost element of said bid price, or that of any other bidder, or to secure the advantage against the City of Troy or any person interested in the proposed contract; and that all statements contained in said proposal or bid are true.

[Signature]
SIGNATURE OF PERSON SUBMITTING BID

Colleen L. Dillon
NOTARY'S SIGNATURE

Subscribed and sworn to before me this 7 day of NOVEMBER, 2023
in and for MACOMB County.

My commission expires:
4.6.2029

Colleen L. Dillon
Notary Public, State of MI
County of Macomb
My Commission Expires 06-Apr-2029



CERTIFICATION REGARDING

DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

The prospective participant certifies, to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in transactions under any non-procurement programs by any federal, state or local agency.
2. Have not, within the three year period preceding, had one or more public transactions (federal, state, or local) terminated for cause or default; and
3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) and have not, within the three year period preceding the proposal, been convicted of or had a civil judgment rendered against it:
 - a. For the commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction (federal, state, or local), or a procurement contract under such a public transaction;
 - b. For the violation of federal, or state antitrust statutes, including those proscribing price fixing between competitors, the allocation of customers between competitors, or bid rigging; or
 - c. For the commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

I understand that a false statement on this certification may be grounds for the rejection of this proposal or the termination of the award. In addition, the general grant of this authority exists within the City's Charter, Chapter 12, Section 12.2- Contracts.

I am able to certify to the above statements.

MacQueen Equipment, LLC dba MacQueen Emergency

Name of Agency/Company/Firm *(Please Print)*

Ian Griffin Sales Representative

Name and title of authorized representative *(Please Print)*

Ian Griffin

11-7-23

Signature of authorized representative

Date

I am unable to certify to the above statements. Attached is my explanation.



Duplicate copy, previously signed above

**VENDOR CERTIFICATION
THAT IT IS NOT AN
"IRAN LINKED BUSINESS"**

Pursuant to Michigan law, (the Iran Economic Sanctions Act, 2012 PA 517, MCL 129.311 et seq.), before accepting any bid or proposal, or entering into any contract for goods or services with any prospective Vendor, the Vendor must first certify that it is not an "IRAN LINKED BUSINESS", as defined by law.

Vendor	
Legal Name	
Street Address	
City	
State, Zip	
Corporate I.D. Number/State	
Taxpayer I.D. #	

The undersigned, with: 1.) full knowledge of all of Vendors business activities, 2.) full knowledge of the requirements and possible penalties under the law MCL 129.311 et seq. and 3.) the full and complete authority to make this certification on behalf of the Vendor, by his/her signature below, certifies that: the Vendor is NOT an "IRAN LINKED BUSINESS" as require by MCL 129.311 et seq., and as such that Vendor is legally eligible to submit a bid and be considered for a possible contract to supply goods and/or services to the City of Troy.

Signature of Vendor's Authorized Agent: _____

Printed Name of Vendor's Authorized Agent: _____

Witness Signature: _____

Printed Name of Witness: _____

MSDS 报告 Report

报告编号:	AGC01741210401UA02
Report No.:	

产 品 名 称 : 锂离子电池组
PRODUCT DESIGNATION : Li-ion Battery Pack

商 标 : N/A
BRAND NAME

样 品 型 号 : BH01-10S10P
MODEL NAME

委 托 单 位 : The BlowHard Company
APPLICANT

签 发 日 期 : 2021-04-19
DATE OF ISSUE

检 测 标 准 : GB/T16483-2008&ISO11014:2009
STANDARD(S)

报 告 版 本 : V1.0
REPORT VERSION

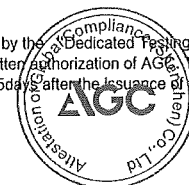
深圳市鑫鑫环检测有限公司

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检验检测专用章

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Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Web: <http://cn.agc-cert.com/>



化学品安全技术说明书

Material Safety Data Sheet

依据 GB/T16483-2008&ISO11014:2009 编制
 According to GB/T16483-2008&ISO11014:2009

Report Revise Record: 报告修订记录:				
Report Version 版本号	Revise Time 修改次数	Issued Date 签发日期	Valid Version 有效性	Notes 备注
V1.0	/	2021-04-19	Valid 有效	Original report 原始报告

第一部分 化学品及企业标识

Section 1 - Chemical Product and Company Identification

化学品信息 Chemical product information			
样品名称 Sample Name	锂离子电池组 Li-ion Battery Pack	样品型号 Sample Model	BHO1-10S10P
收样日期 Sample Receiving Date	2021-03-29	产品推荐及限制用途 Sample Uses	---
单位信息 Company information			
委托单位 Applicant	The BlowHard Company		
委托单位地址 Client address	1906 Rye Street SE, Albany, OR 97322, USA		
生产单位 Manufacturer	惠州市新明海科技有限公司 Huizhou PowerOak Innovation Co., Ltd		
生产单位地址 Manufacturer address	中国广东省惠州市大亚湾西区老寮村龙盛五路(1号厂房) (No.1 Workshop) Longsheng 5th Road, Laoshe Village, Dayawan West Zone, Huizhou City, Guangdong Province, P.R.China		
联系电话 Telephone	0755-23705980		
传真号码 Fax number	0755-23705911		
邮政编码 Post code	518172		
应急电话 Emergency telephone	0755-23705980		
电子邮件 E-mail	authenticate@kayomaxtar.com		

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Compliance Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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第二部分 危险性概述
Section 2 - Hazards Identification

紧急情况概述: 无相关详细资料。

Emergency overview: No information available.

GHS 危险性分类: 根据化学品全球统一分类与标签制度(GHS)的规定, 不是危险物质。

Classification according to GHS: Not a dangerous substance according to GHS.

GHS 标签要素 Label elements	
危害类型象形图 Hazard pictogram(s)	无数据 No available
警示词 Signal word	无数据 No available
危险性说明 Hazard statement(s)	无数据 No available
防范说明 Precautionary statement(s)	
预防措施 Prevention	无数据 No available
事故响应 Response	无数据 No available
安全储存 Safe storage	无数据 No available
废弃处置 Disposal	无数据 No available

物理和化学危险: 无相关详细资料。

Physical and chemical risk: No information available.

健康危害: 无相关详细资料。

Health hazard: No information available.

环境危害: 无相关详细资料。

Environmental hazards: No information available.

其它危害: 无相关详细资料。

Other hazards: No information available.

第三部分 成分/组成信息
Section 3 - Composition, Information on Ingredients

该物质或混合物的分类: 物质 混合物

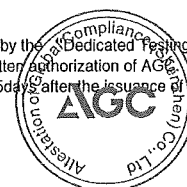
Classification of the substance or mixture: substance mixture

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化学名称 Chemical Composition	CAS No.	EC#	百分含量 Weight (%)
镍钴锰酸锂 Nickel-cobalt-manganese lithium	346417-97-8	---	36.5
石墨 C	7782-42-5	231-955-3	21.4
聚偏氟乙烯 PVDF	24937-79-9	200-867-7	0.5
羧甲基纤维素 CMC	9000-11-7	900-432-4	0.3
炭黑 Acetylene Black	1333-86-4	231-153-3	0.5
丁苯橡胶 SBR	9003-55-8	618-370-2	0.5
聚丙烯 Polypropylene	9003-07-0	618-352-4	0.7
六氟磷酸锂 LiPF ₆	21324-40-3	244-334-7	2.0
碳酸亚乙酯 EC	96-49-1	202-510-0	1.9
碳酸甲乙酯 EMC	623-53-0	613-014-2	1.0
碳酸二甲酯 DMC	616-38-6	210-478-4	6.8
铜 Cu	7440-50-8	231-159-6	6.7
铝 Al	7429-90-5	231-072-3	3.3
镍 Ni(Nickel)	7440-02-0	231-853-9	0.7
铁 Iron (Fe)	7439-89-6	231-096-4	17.2

注Note: CAS: 化学文摘社Chemical Abstracts Service (Division of the American Chemical Society).

EC#: 欧洲现有商业化学品目录European Inventory of Existing Commercial Chemical Substances

“---”: 无数据No Data

第四部分 急救措施 Section 4 - First Aid Measures

总说明: 正常情况下, 不需要特别的措施。

General information: No special measures required.

吸入: 立即将人员移至通风处, 如果呼吸困难, 速进行人工呼吸抢救。如症状持续, 速就医。

After inhalation: Remove victim to fresh area. Administer artificial respiration if breathing is difficult. Seek medical attention.

皮肤接触: 脱去污着衣物, 用大量的水清洗, 然后清洗双手, 衣物清洗后再使用。如果症状持续, 速就医。

After skin contact: Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get medical attention.

眼睛接触: 张开眼睛在流水下冲洗数分钟, 如果症状仍然持续, 请咨询医生。

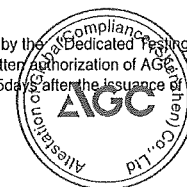
After eye contact: Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention if irritation persists.

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食入：禁止催吐，速就医。

After swallowing: Do not induce vomiting. Get medical attention.

急性和迟发效应

Acute and delayed effects

主要症状：无相关详细资料。

The main symptoms: No relevant details information.

健康影响：无相关详细资料。

Health effects: No relevant details information.

对保护施救者的忠告：无相关详细资料。

To protect the rescuers advice: No relevant details information.

对医生的建议：需要及时的医疗处理及特别处理的症状，无相关详细资料。

To the doctor's advice: Need timely medical treatment and special symptoms, no relevant details information.

第五部分 消防措施 Section 5 - Fire Fighting Measures

灭火剂：使用适合当地情况和周围环境的灭火剂，如干粉，CO₂。

Suitable extinguishing agents: Use extinguishing agent suitable for local conditions and the surrounding environment. Such as dry powder, CO₂.

特别危险性：在起火条件下，电池可能会破裂，释放出有害的分解产物。在经受高温(> 150°C(302°F))时，含有易燃电解液的电池，可能泄漏，点燃，产生火花，当损坏或滥用(如机械损伤或过度充电)时，可能燃烧迅速与耀斑燃烧效果，也可能引燃其他在电池附近衣服。

Special hazards arising from the substance or mixture: Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperature(>150°C(302°F)), when damaged or abused (e.g. mechanical damage or electrical overcharging); may burn rapidly with flare-burning effect; may ignite other batteries in clothes proximity.

灭火方法注意事项及防护措施：如起火，佩戴自主呼吸机和防护服。

Attention extinguishing method and protective measures: Wear self-contained respirator. Wear fully protective impervious suit.

第六部分 泄露应急处理 Section 6 - Accidental Release Measures

作业人员防护措施、防护装备和应急处置程序：穿上保护装备，疏散人群，确保有足够的通风。

Homework personnel protective measures, protective equipment and emergency disposal procedures: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

环境保护措施：若无政府许可，勿将材料排入周围环境。

Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.

泄漏化学品的收容、清除方法及所使用的处置材料：从泄露区移除所有的火源，隔离人员。用一个不产生粉尘的方法打扫处理泄漏物，尽可能多地收集泄漏处理物于有标签的合适的容器中。泄露处理物禁止倒入下水道，沟渠或水源。所有废弃物必须参照联合国，国家，地方性法规进行处置。

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Steps to be taken in case material is spilled or released and Waste disposal method: Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water. All waste must refer to the United Nations, the national and local regulations for disposal.

防止次生灾害的预防措施: 有关安全处理的资料请参阅第七部分。有关个人防护装备的资料请参阅第八部分。有关弃置的资料请参阅第十三部分。

To prevent the secondary disasters prevention measures: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

第七部分 操作处置与储存 Section 7 - Handling and Storage

操作注意事项: 储存时远离食物和水源。吃饭喝水前彻底清洗双手。储有化学物的容器搬用时需防止静电的产生和积聚。

Precautions for safe handling: Consumption of food and beverage should be avoided in work areas. Wash hands with soap and water before eating, drinking. Ground containers when transferring liquid to prevent static accumulation and discharge.

有关火灾及防止爆炸的资料: 电池在拆开、挤压、遇火或高温情况下,会引起起火或爆炸,严禁短路或非正确操作。

Information about fire and explosion protection: Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

储存注意事项: 储存在一个低温,干燥,通风良好的环境。远离热源,避免长时间阳光照射。未使用时密封容器。

Conditions for safe storage, including any incompatibilities: Requirements to be met by storerooms and receptacles. Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight.

第八部分 接触控制/个体防护 Section 8 - Exposure Controls, Personal Protection

职业接触限值Occupational exposure limit

在工作场需要监控的限制成分 Ingredients with limit values that require monitoring at the workplace:	
12190-79-3 钴酸锂 Lithium Cobalt Oxide	
TLV (USA)	0.02mg/m ³ .
MAK(Germany)	0.1mg/m ³ .

Note:TLV: Threshold Limit Value

生物限值: 无相关详细资料。

Biological limit: no relevant details information.

检测方法: 无相关详细资料。

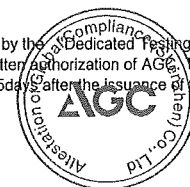
Detection: no relevant details information.

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工程控制

Engineering control



一般保护和卫生措施: 当处理化学物品时, 应遵循一般的预防措施。远离食物和水源。立即脱掉所有脏衣服或被污染的衣物。在休息之前和工作结束之后洗手。

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

呼吸防护: 高浓度的情况时, 使用适当的呼吸器。

Respiratory Protection: Use suitable respirator when high concentrations are present.

个人防护设备 Personal Protection

<p>手防护 Hand protection</p>  <p>Protective gloves</p>	<p>眼睛防护 Eye protection</p>  <p>Tightly sealed goggles</p>
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第九部分 理化特性
Section 9 - Physical and Chemical Properties

有关基本物理及化学特性的信息 Information on basic physical and chemical properties	
外观 Appearance	黑色 Black
形状 Form	近长方体 Almost Cuboid
气味 Odour	无味 Odorless
电性能信息 Electrical properties information	
电压 Voltage	37V
电芯电压 Cell Voltage	3.7V
电容量 Electric capacity	29000mAh
功率 Watt-hour	1073Wh

第十部分 稳定性和反应活性
Section 10 - Stability and Reactivity

稳定性: 正常情况下稳定。

Chemical stability: Stable in normal circumstances.

危险反应: 无资料。

Possibility of hazardous reactions: Data not available.

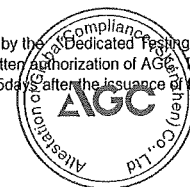
应避免条件: 火焰, 火花和其他热源, 禁忌物。

Conditions to Avoid: Flames, sparks, and other sources of ignition, incompatible materials.

禁配物: 氧化剂, 酸, 碱。

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Incompatibilities: Oxidizing agents, acid, base.

危险的分解产物: 二氧化碳, 一氧化碳。

Hazardous Combustible Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.

第十一部分 毒理学资料 Section 11 - Toxicological Information

对毒理学影响的信息

Information on toxicological effects

急性毒性LC50/LD50: 无相关详细资料。

Acute toxicity LD/LC50 Values relevant for classification: Not available.

注: LC50: 半数致死浓度 (lethal concentration, 50 percent kill)

LD50: 半数致死剂量 (lethal dose, 50 percent kill)

皮肤刺激/腐蚀: 无相关详细资料。

Skin irritation/corrosion: No further relevant information available.

眼睛刺激/腐蚀: 无相关详细资料。

Eyes stimulus/corrosion: No further relevant information available.

呼吸或皮肤过敏: 无相关详细资料。

Breathing or skin irritation: No further relevant information available.

生殖细胞突变性: 无相关详细资料。

Germ cell respectively: No further relevant information available.

致癌性: 无相关详细资料。

Carcinogenicity: No further relevant information available.

生殖毒性: 无相关详细资料。

Reproductive toxicity: No relevant details information.

特异性靶器官系统毒性——一次性接触: 无相关详细资料。

Specific target organ system toxicity disposable contact: No further relevant information available.

特异性靶器官系统毒性——反复接触: 无相关详细资料。

Specific target organ system toxicity, repeated contact: No further relevant information available.

吸入危害: 无相关详细资料。

Inhalation hazard: No further relevant information available.

潜在的有害效应: 无相关详细资料。

Potentially harmful effects: No further relevant information available.

第十二部分 生态学资料 Section 12 - Ecological Information

生态毒性

Ecological toxicity

水生毒性: 无相关详细资料。

Aquatic toxicity: No further relevant information available.

持久性和降解性: 无相关详细资料。

Persistence and degradability: No further relevant information available.

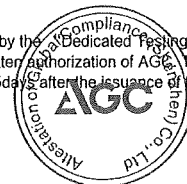
环境系统习性

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Behaviour in environmental systems

潜在的生物累积性: 无相关详细资料。

Bioaccumulative potential: No further relevant information available.

土壤内移动性: 无相关详细资料。

Mobility in soil: No further relevant information available.

生态学资料

Ecological effects

额外的生态学资料: 无相关详细资料。

Additional ecological information :No further relevant information available.

总括注解: 若无政府许可, 勿将材料排入周围环境。

General notes:Do not allow material to be released to the environment without proper governmental permits.

其他副作用: 无相关详细资料。

Other adverse effects: No further relevant information available.

第十三部分 废弃处置
Section 13 - Disposal Considerations

废弃处置方法建议: 请参考国家和地方的相关法规正确进行处理。

Waste treatment methods and Recommendation: Consult state, local or national regulations to ensure proper disposal.

受污染的容器和包装建议: 必须根据官方的规章来丢弃。

Uncleaned packaging and Recommendation: Disposal must be made according to official regulations.

第十四部分 运输信息
Section 14 - Transport Information

	IATA	IMDG
联合国危险货物编号 UN Number	UN3480	UN3480
UN 运输专用名称 UN Proper shipping name	锂离子电池 Lithium Ion Batteries	锂离子电池 Lithium Ion Batteries
运输危险等级 Transport hazard class(es)	9	9
包装组别 Packing group	II	II
海运污染物质 Marine pollutant	否 No	

注: IATA: 国际空运联合会 (International Air Transport Association)

IMDG: 国际海运危险货物 (International Maritime Dangerous Goods)

运输信息: 该锂电池 (BHO1-10S10P 37V 29000mAh) 已通过UN38.3测试,

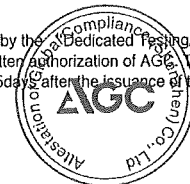
Transport information: The Lithium Battery (BHO1-10S10P 37V 29000mAh) has passed the test UN38.3.

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运输过程中请根据危险品规则DGR第62版包装规定965第IA部分执行。

According to the Packing Instruction 965 section IA of IATA DGR 62nd Edition for transportation.
运输过程中请根据海运危险品规则IMDG (39-18)特殊规定188, 或者《联合国危险货物运输的建议书规章范本》(20th)执行, 该产品属于危险品。

According to the special provision 188 of IMDG (39-18) or the <<Recommendations On The Transport Of Dangerous Goods-Model Regulations>> (20th). The package is subjected to dangerous goods.

更多关于锂离子电池运输, 测试, 包装等相关规定请参见网址<http://www.labelmaster.com>.

More information concerning shipping, testing, marking and packaging can be obtained from Label master at <http://www.labelmaster.com>.

电池相互隔开并防止短路, 泄露, 并装放在结实的容器内运输。

注: 该电池在运输过程中应防止剧烈振动、冲击或挤压, 防止日晒雨淋。具体细节请参照本文第七部分操作处置与储存。

Separate Lithium-ion batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport. Take in a cargo of them without falling, dropping, and breakage. Prevent collapse of cargo piles and wet by rain.

运输方式: 空运, 海运, 铁路, 公路。

Transport Fashion: By air, by sea, by railway, by road.

第十五部分 法规信息 Section 15 - Regulatory Information

此MSDS符合法规 (EC) No. 1907/2006.

This Material Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006.

下列法律、法规、规章和标准对该物质或混合物的管理做了相应的规定:

The following laws, regulations, rules and standards of the substance or mixture of management to do the corresponding provisions:

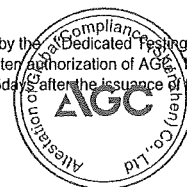
组成 Composition	CAS No.	IECSC	TSCA	DSL/NDSL	EINECS/ ELINCS/ NLP
镍钴锰酸锂 Nickel-cobalt-manganese lithium	346417-97-8	列入 Listed	列入 Listed	DSL	列入 Listed
石墨 C	7782-42-5	列入 Listed	列入 Listed	DSL	列入 Listed
聚偏氟乙烯 PVDF	24937-79-9	列入 Listed	列入 Listed	DSL	未列入 Not Listed
羧甲基纤维素 CMC	9000-11-7	列入 Listed	列入 Listed	DSL	列入 Listed
炭黑 Acetylene Black	1333-86-4	列入 Listed	列入 Listed	DSL	列入 Listed
丁苯橡胶 SBR	9003-55-8	列入 Listed	列入 Listed	DSL	列入 Listed
聚丙烯 Polypropylene	9003-07-0	列入 Listed	列入 Listed	DSL	列入 Listed
六氟磷酸锂 LiPF ₆	21324-40-3	列入 Listed	列入 Listed	NDSL	列入 Listed
碳酸亚乙酯 EC	96-49-1	列入 Listed	列入 Listed	DSL	列入 Listed

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组成 Composition	CAS No.	IECSC	TSCA	DSL/NDSL	EINECS/ ELINCS/ NLP
碳酸甲乙酯 EMC	623-53-0	列入 Listed	列入 Listed	DSL	列入 Listed
碳酸二甲酯 DMC	616-38-6	列入 Listed	列入 Listed	DSL	列入 Listed
铜 Cu	7440-50-8	列入 Listed	列入 Listed	DSL	列入 Listed
铝 Al	7429-90-5	列入 Listed	列入 Listed	DSL	列入 Listed
镍 Ni(Nickel)	7440-02-0	列入 Listed	列入 Listed	DSL	列入 Listed
铁 Iron (Fe)	7439-89-6	列入 Listed	列入 Listed	DSL	列入 Listed

注: EINECS: 欧盟现有化学物质名录 (European Inventory of Existing Chemical Substances)
 ELINCS: 欧洲已申报化学物质名录 (European List of Notified Chemical Substances)
 DSL: 加拿大国内化学物质名录 (Canadian Domestic Chemical Substances)
 IECSC: 中国现有化学物质名录 (Inventory of Existing Chemical Substances in China)
 NDSL: 加拿大非国内化学物质名录 (Canadian non-domestic Chemical Substances)
 NLP: 欧盟不被认为是聚合物的名录
 TSCA: 美国TSCA物质名录 (Toxic Substances Control Act of USA)

第十六部分 其他信息
Section 16 - Additional Information

注意 Declare to reader:

上述信息是基于现有的数据信息, 在实际应用过程中可能出现其他未预料的情况, 其相应信息可能需要修改, 我方不承担此项责任。在操作中请根据实际情况作出相应的正确的处置。

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

主检人 Prepared by

王 明

审核人 Checked by

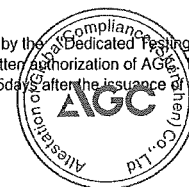
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批准人 Approved by

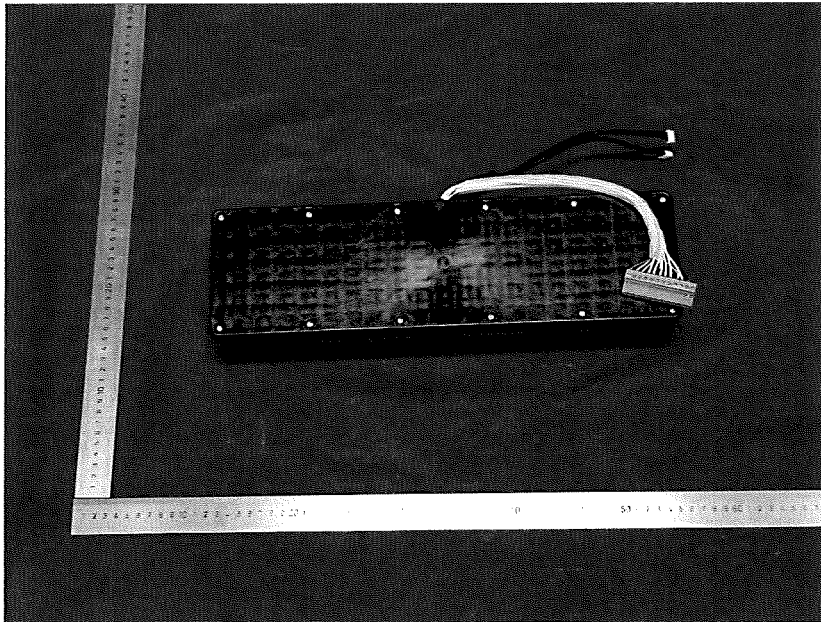
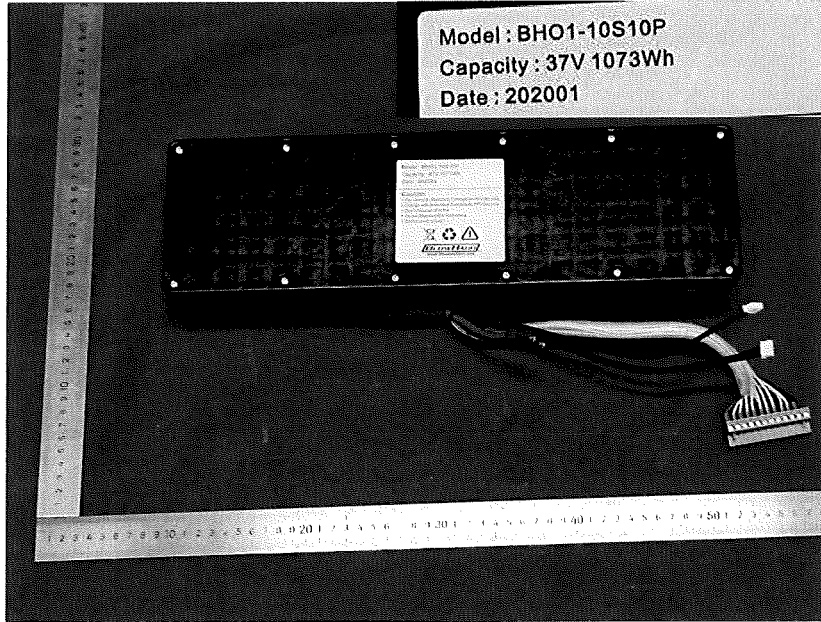
魏志伟

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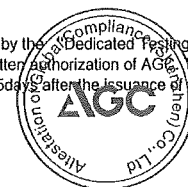
样品图片:
Sample Photos:



鑫宇环仅对原报告照片中的样品负责
AGC authenticate the photo on original report only

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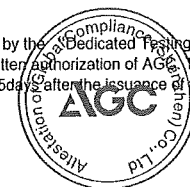


签发测试报告条款 Conditions of Issuance of Test Reports

1. 深圳市鑫宇环检测有限公司(以下简称[本公司])为提供符合下述条款的测试和报告,而接受有关样品和货品。本公司基于下述条款提供服务,下述条款为本公司与申请服务的个人,企业或公司(以下简称[客户])的协议。All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告(以下简称[报告]),本公司会严格为客户保密。未经本公司的书面同意,报告的整体或部分不得复制,也不得用于广告或授权的其他用途。然而,客户可以将本公司印制的报告或认可的副本,向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求,否则未经客户同意,本公司不得将报告内容向任何第三方讨论或披露。Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. 除非相关政府部门、法律或法院要求,否则未经公司预先书面同意,本公司毋需也无义务到法院对有关报告作证。The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 无 CMA 标志的报告,仅供使用方内部参考,不具有对社会的证明作用。The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.
5. 如果本公司确定报告被不当地使用,本公司保留撤回报告的权利,并有权要求其它适当的额外赔偿。In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
6. 本公司接受样品进行测试的前提是,该测试报告不能作为针对本公司法律行动的依据。Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
7. 如因使用本公司任何报告内的资料,或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害,本公司概不负责。The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
8. 若需要在法院审理程序或仲裁过程中使用测试报告,客户必须在提交测试样品前将该意图告知本公司。Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
9. 电子版报告更改后将不被追回,客户有义务将更改后的报告提供给使用原报告的相关方。The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
10. 该测试报告的支持数据和信息本公司保存 6 年。个别评审机构有特别要求的,检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限,数据和信息将被处理掉。任何情况下,本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害,本公司在任何情况下也不必承担任何损害,包括(但不限于)补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权(包括疏忽)、产品责任或其他原因的惩罚性损害。Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Compliance Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: November 20, 2023

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Deputy City Manager
Megan E. Schubert, Assistant City Manager
Dee Ann Irby, Controller
Peter Hullinger, Fire Chief
Emily Frontera, Purchasing Manager

Subject: Standard Purchasing Resolution 2: Award to Low Bidder Meeting Specifications – Portable Ventilation Fans, Fire Department

History

The fire department uses a variety of tools when conducting firefighting efforts. Control of smoke and heat via a flow path is vital to safe firefighting efforts. This is achieved by using fans to create positive pressure ventilation in a structure that allows firefighters a safer path of entry into the building.

Purchasing

On November 9, 2023, a bid opening was conducted as required by City Charter and Code for Portable Ventilation Fans. The bid was posted on the MITN Purchasing Group website; www.bidnetdirect.com//city-of-troy-mi. One hundred forty-nine (149) vendors were notified via the MITN website and two (2) bid responses were received. Below is a detail summary of potential vendors for the bid opportunity:

Companies notified via MITN	149	<p><i>MITN provides a resourceful online platform to streamline the procurement process, reduce costs, and make it easier and more transparent for vendors to do business with the City of Troy.</i></p> <p><i>Active MITN members with a current membership and paying annual dues receive automatic electronic notification which allows instant access to Bids, RFPS and Quote opportunities with the City.</i></p> <p><i>Active MITN non-paying members are responsible to monitor and check the MITN website for opportunities to do business with the City.</i></p> <p><i>Inactive MITN member status can occur when a company does not renew their account upon expiration. Inactive members cannot be notified of solicitations or access any bid information.</i></p>
Troy Companies notified via MITN	8	
Troy Companies - Active email Notification	8	
Troy Companies - Active Free	0	
Companies that viewed the bid	29	
Troy Companies that viewed the bid	0	

The bid responses were reviewed and *MacQueen Equipment, LLC of St. Paul, MN* is low bidder meeting specifications and is being recommended for award for the purchase of six (6) Commando-Dual BlowHard PPV Fans.

Financial

Funds are budgeted and available in the Fire Department Operating Budgets for the 2024 Fiscal Year. Expenditures will be charged to account number 101.336.338.740.115.

Recommendation

City Management recommends awarding a contract to purchase six (6) Commando-Dual BlowHard PPV Fans for an estimated total cost of \$27,324.00 from low bidder meeting specifications, *MacQueen Equipment, LLC of St. Paul, MN* at unit prices contained in the bid tabulation opened November 9, 2023.

CITY OF TROY
 BID TABULATION
 PORTABLE VENTILATION FANS

VENDOR NAME:	MacQueen Emergency	Municipal Emergency Services, Inc.
CITY:	St. Paul, MN	
CHECK NUMBER:	2230958	6595301836
CHECK AMOUNT:	\$1,650.00	\$1,650.00

PROPOSAL: FURNISH SIX (6) PORTABLE VENTILATION FANS FOR THE CITY OF TROY FIRE DEPARTMENT

Qty	Proposal	Description	Price (Each)	Price (Each)
6	Dual Powered Ventilation Fan	Model: Commando-Dual Blowhard PPV fan. 24" High Flow Jet Fan Dual Power Battery & Plug In Size: 25 1/4" x 25 1/4" x 10 1/2"-. Battery or AC powered	\$4,554.00	\$4,869.04 (If all fans are ordered at once)
GRAND TOTAL:			\$27,324.00	\$29,214.24

Note: Price \$5,266.96 ea/ If fans are ordered separately; Total = \$31,601.76

CONTACT INFORMATION:	HOURS OF OPERATION:	9-5	8am - 5pm
	CONTACT PERSON:	Ian Griffin	Mike Berent
	24 HOUR PHONE NO.:	586-206-0067	313-231-3889
	PHONE NO.:	586-206-0067	313-231-3889
	PRODUCT LEAD TIME:	4-6 Weeks	8-11 Weeks
	WARRANTY:	2 Years	See Attached Warranty Sheet
	AUTHORIZED DEALER:	Y or N	Y
	REFERENCES:	Y or N	Y
	PAYMENT TERMS:	Net 30	Net 30
	EXCEPTIONS:	None	None
	ACKNOWLEDGMENT:	Y or N	Y
	FORMS:	Y or N	Y - 3 Forms

Low Bidder Meeting Specifications

Attest:
 (*Bid Opening conducted via Zoom)
Pete Hullinger
Eric Emmons
Andrew Chambliss
Nellie Bert
Martinique Gates

 Emily Frontera
 Purchasing Manager