

Invitation For Bids For DJI Surveying and Mapping Drone From NFC Africa Mining

DJI 测绘无人机招标邀请

---中色非矿

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Procuring Entity: NFC Africa Mining

采购单位: NFC 非洲矿业

1. Project Overview

NFC Africa Mining hereby invites qualified suppliers to submit quotations for the procurement of a DJI surveying and mapping drone. This procurement is intended to enhance the efficiency and accuracy of mining surveying operations, including stockpile measurements, pit modeling, and terrain mapping.

1. 项目概况

NFC 非洲矿业现邀请合格供应商提交 DJI 测绘无人机的采购报价。本次采购旨在提升采矿测量作业的效率和精度, 包括料堆测量、矿坑建模和地形测绘。



2. Procurement Content

Item 项目	Specification 规格
Product Name 产品名称	DJI Matrice 400 Enterprise Drone JI Matrice 400 专业无人机
Model 型号	MATRICE 400
Quantity 数量	[1 SET]一套
Delivery Location 交货地址	[NFC AFRICA MINING PLC, KITWE, ZAMBIA]赞比亚，基特维， 中色非矿

3. Technical Requirements 技术要求

The DJI Matrice 400 is an enterprise flagship drone platform designed for large-scale mapping, engineering, and mining operations. Key specifications include:

DJI Matrice 400 是一款企业级旗舰无人机平台，专为大规模测绘、工程和采矿作业而设计。主要规格包括：

- **Weight:** 9,740 ± 40 g (with batteries)
- 重量：9,740 ± 40 克（含电池）
- **Max Takeoff Weight:** 15.8 kg
- 最大起飞重量：15.8 千克
- **Max Payload:** 6 kg
- 最大有效载荷：6 千克
- **Max Flight Time:** 59 minutes (forward flight); 53 minutes (hovering)
- 最大飞行时间：59 分钟（前飞）；53 分钟（悬停）
- **Max Horizontal Speed:** 25 m/s
- 最大水平速度：25 米/秒
- **Max Takeoff Altitude:** 7,000 m
- 最大起飞海拔：7,000 米
- **Operating Temperature:** -20°C to 50°C
- 工作温度：-20°C 至 50°C
- **Protection Rating:** IP55
- 防护等级：IP55

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- **Obstacle Sensing:** Omnidirectional binocular vision system, horizontal rotating LiDAR, upper LiDAR, downward 3D infrared range sensor, six-direction mmWave radar
- 避障感知：全向双目视觉系统、水平旋转激光雷达、上方激光雷达、下方 3D 红外测距传感器、六向毫米波雷达
- **Compatible Payloads:** Zenmuse H30 Series, Zenmuse L2, Zenmuse P1, Zenmuse V1, Zenmuse S1, and third-party payloads
- 兼容载荷：禅思 H30 系列、禅思 L2、禅思 P1、禅思 V1、禅思 S1 及第三方载荷
- **Software:** DJI Pilot 2 (ground control), DJI Terra (modeling and data processing)
- 软件：DJI Pilot 2（地面控制）、DJI Terra（建模与数据处理）
- For surveying and mapping applications, the platform is compatible with the Zenmuse P1 full-frame sensor (45MP) to achieve centimeter-level accuracy with significantly reduced ground control points.
- 在测绘应用中，该平台兼容禅思 P1 全画幅传感器（4500 万像素），可实现厘米级精度，并显著减少地面控制点。

4. Quotation Requirements 报价要求

Interested suppliers are requested to submit the following documents to the contact email addresses listed below:

有意向的供应商请将以下文件提交至下方列出的联系邮箱：

1. **Official Quotation:** Unit price, total price, and currency (USD or ZMW).
正式报价单：单价、总价及币种（美元或赞比亚克瓦查）
2. **Product Specifications:** Detailed technical specifications and configuration.
产品规格：详细技术规格及配置。
3. **Warranty Terms:** Standard warranty coverage and after-sales support details.
保修条款：标准保修范围及售后服务详情。
4. **Company Profile:** Business license, relevant certifications.
公司简介：营业执照、相关资质证书。

5. Submission Guidelines 提交指南

- **Submission Deadline 提交指南:** Within seven (7) days from the date of this announcement. 公告日起 7 天内提交

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- **Submission Method 提交方式:**
- Please send all required documents to both email addresses below:
- 提交至下述邮箱
 - supply@nfca.com.cn
 - nfcasupply@163.com

6. Contact Information 联系方式

For any inquiries regarding this procurement, please contact:

如有疑问，请联系：

- **Email:** supply@nfca.com.cn / nfcasupply@163.com
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