

**MCC-JCL AYNAK MINERALS COMPANY LTD.,**

TERMS OF REFERENCE

FOR

Construction of Asphalt Road from Kabul Gardiz Highway to Aynak Mine (1+500 to 8+900)

TABLE OF CONTENTS

[1.0 Background 2](#_Toc167629554)

[2.0 Objectives of the assignment 2](#_Toc167629555)

[3.0 Scope of Work 2](#_Toc167629556)

[4.0 Project Duration 3](#_Toc167629557)

[5.0 Equipment to be provided by the contractor 3](#_Toc167629558)

[6.0 Deliverables and Reporting 3](#_Toc167629559)

[7.0 Qualification and Experience of the Bidder 3](#_Toc167629560)

[8.0 Staff and Skill Needed 4](#_Toc167629561)

# Background

MCC-JCL Aynak Minerals Company Ltd., jointly funded by China Metallurgical Group Corporation (MCC Group) and Jiangxi Copper Corporation Limited. (Jiangxi Copper), was registered in Afghanistan in 2008 and is specifically responsible for the development, operation and management of the Aynak Copper Project, referred to as MJAM.

On May 25, 2008, MCC signed the *Mining Contract* with the government of Afghanistan.

The company has always promoted the construction of the project with a positive, efficient and pragmatic attitude. We have carried out a lot of work, such as mine surveying, mining area control network establishment, verification exploration and supplementary exploration in western and central deposits, mineral processing tests, water resources exploration, environmental impact assessment, temporary camp construction, sand and gravel plant construction, coal resource exploration, power supply project feasibility study evaluation etc, fulfilling the responsibilities and obligations stipulated in the *Mining Contract*.

In May 2023, the Chinese personnel of the company returned to Aynak site again and resumed the normal operation of the site. Currently, the company is conducting corporation with the government on project development, and accelerating the access road to prepare for the full start of the project.

# Objectives of the assignment

The objective of this access way from Kabul National Highway to Aynak Mine is:

* To construct a high-quality asphalt road as per design and specification with consideration or the site conditions.
* Ensure that the work meets all Environmental and Safety Standards and Regulations.
* Complete the project within the specified Timeframe and budget
* Maintain clear Communication and Coordination with Project stakeholders

# Scope of Work

The scope of work encompasses all civil works, including demolition, excavation, the construction of structures (culverts and protection walls), road bed layers (sub base and two layers of base course), asphalt pavements (binder and surface/wearing course), and the full construction of the road, along with any other associated activities as specified in the Bill of Quantities (BoQ), design drawings, and technical specifications.

The contractor is required to adhere to all environmental and safety regulations throughout the project to ensure the protection of the surrounding environment and the safety of all personnel involved in the construction process.

# Project Duration

The duration of the work is to extend from the date of effectiveness of the Contract for a period of 274 days.

# Equipment to be provided by the contractor

Required list of machinery for construction of Aynak Mine main road.

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Equipment Type and Characteristics** | **Minimum Number required** | **Capacity** |
| 1 | Dump truck | 10 | 15 Cum |
| 2 | Loader | 3 | 2.5 Cum Bucket capacity |
| 3 | Vibratory roller | 3 | 10 Ton |
| 4 | Excavator | 3 | 0.7-1.0 Cum Bucket capacity |
| 5 | Grader | 2 | 90 cum/ h |
| 6 | Pneumatic Roller | 4 | GRW 18 |
| 7 | Asphalt Paver | 1 |  |
| 8 | Water browser | 2 | 20000 Lits |
| 9 | Water Pump | 2 | 2-4 inch delivery pipe |
| 10 | Concrete mixer | 2 | 2 Bag Cement in each Bath |
| 11 | Concrete Vibrator | 2 |  |
| 12 | Total Station | 1 | Sokkia |
| 13 | GPS Machine | 1 | GARMIN |
| 14 | Level Machine | 1 | Sokkia |

# Deliverables and Reporting

* The contractor must submit all daily, weekly, and monthly reports to the project manager.
* The contractor must provide all quality control reports and submit them to the client.
* The contractor must provide all test reports and submit them to the Project Manager.

# Qualification and Experience of the Bidder

Minimum Eligibility of the Bidder

1. Company profile including organization chart (Showing Name and Position of staff) and Management team structure
2. Certificate of Incorporation/Business license in Afghanistan as a company providing the specified services
3. Quality control procedure plan and Site Construction Management plan.
4. Health, Safety and Environmental Protection Plan (HSE Plan)
5. Completion certificate of similar projects within the last 5 years
6. Financial Audit Reports for the last three years (2023, 2022, 2021)
7. Average Annual Turnover for the last five years: 5,353,147.80 USD
8. Liquid Asset: Minimum of 1,216,624.50 USD as per statement of account in registered local Bank or Line of Credit.
9. Joint Venture agreement if applicable
10. Implementation schedule for the proposed duration in accordance clause 4.0

# Staff and Skill Needed

**The core staff to be evaluated will include:** Qualification degree, and CV the must showing the project supervised and responsibility of the project, of the following proposed key personnel

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Position/specialization** | | **Number** | **Relevant academic qualifications** | **Minimum years of work experience** | |
| **Relevant** | **General** |
| 1 | Project Manager | | 1 | Master Degree in Civil Engineering/ Project Management | 7 | 10 |
| 2 | Site Construction Manager | | 1 | Bachelor Degree in Civil Engineer | 7 | 10 |
| 3 | Quality Control Engineer | | 1 | Bachelor Degree in Civil Engineer | 5 | 8 |
| 4 | Road Engineer | | 3 | Bachelor Degree in Civil Engineer | 5 | 7 |
| 5 | Survey Engineer | | 2 | Bachelor Degree in Civil Engineer / Geodesy | 7 | 10 |
| 6 | Assistant Survey Engineer | | 4 | Bachelor Degree in Civil Engineer / Geodesy | 3 | 5 |
|  | | **Suitable experts in the following specializations** | | | | |
| 1 | Environmental and Social Specialist | | 1 | Bachelor degree in relevant environmental field | minimum of 5 years in similar work environments | |
| 2 | Safety and Health Specialist | | 1 | Bachelor degree in relevant environmental field | minimum of 4 years in similar work environments | |