

ATTACHMENT D

SCOPE OF WORK, WORKS SCHEDULE and DCI(Drawing Control Index)

(DCI will be updated and revised any requirement of Company and/or Contractor)

TABLE OF CONTENTS

1.	GENERAL	3
2.	HEALTH, SAFETY AND ENVIROMENT	5
3.	PLANNING	6
4.	PROJECT MANAGEMENT	7
5.	COMPLETION.....	7
6.	WORK SCHEDULE	8

1. **GENERAL**

The SCOPE calls for the carrying-out of FEED and Basic Engineering of Smart Airport and Grand Bridge for Bolivia Government.

1.1 Scope Of Work Under Lump Sum Price

1.1.1 The complete scope of work shall not be limited to the major activities that are expressly set forth below but shall also include all relevant activities necessary for the completion of CONTRACTOR's scope of work but not limited to the following:

1.1.2 Project name for phases

Following project phases describe as details ;

- a) Phase 1 :Smart Airport.
- b) Phase 2 :Grand Bridge.

1.1.3 Work Scope for each phase

- a) In each following case FEED and Basic engineering Document and Drawings
- b) In each following Case Cost Estimation with considering domestic labor cost and material cost
- c) In each following Case primary construction specification such as Civil and Structure, Mechanical, Electrical equipment and Building, etc.

1.1.4 Following are the detailed scope work

- a) Each Case FEED and Basic Engineering Works.
- b) Schematic Design Work.
- c) Process and M&E Engineering Works
- d) Civil and Structure Engineering Works
- e) Building and Workshop Engineering Work
- f) B.O.Q and Construction Cost Estimation Works
- g) Construction Method FEED and Basic Engineering Works
- h) Construction Specification

1.1.5 CONTRACTOR must follow strictly to COMPANY approved working precedures, instructions and action memos in conjunction with the CLIENT specification requirement and Contractual Agreement

1.1.6 CONTRACTOR shall provide a technically, competent, experience and sufficient project team members for the project. COMPANY reserve the right to demob any of the CONTRACTOR's personnel who are not competent enough to perform the job and meeting the schedule requirement. Replacements will be at CONTRACTOR's expense

1.1.7 The CONTRACTOR shall submit the propose organisation chart together with the resumes of the key personnel and the manpower loading for COMPANY review before contract award.

1.1.8 Timely completion and delivery within the project duration/schedule is the essence. In the event that the work progress is behind schedule, COMPANY may extend the working hours by working doule shifts, on rest days and on public holidays. All incremental cost dye to the extended working time must be included in the CONTRACTOR's price.

1.1.9 All consumable, hand tools and equipment specified are CONTRACTOR 's scope of supply without capability office, internet, table, chair, printer, copy machine, telephone and paper.

1.1.10 Payments by COMPANY to CONTRACTOR shall be made in accordance with the accepted work done, progress completion or completion by the CONTRACTOR including the fulfilment of all CONTRACTOR's responsibility as stipulated herein and hereto under the Scope Of Work.

In the event that the CONTRACTOR is unable to or fails to fulfil any part of its obligation and responsibility, COMPANY shall employ its own or alternative labour or resources to fulfil such work and shall deduct the cost incurred by COMPANY from the payments due to the CONTRACTOR.

If the CONTRACTOR is unwilling or unable to do the above within the COMPANY's overall project programme requirements or if access or accommodation is not available, then the COMPANY shall complete the outstanding work and deduct all additional cost incurred by the COMPANY from the Contract price.

1.1.11 The CONTRACTOR shall be responsible for the medical welfare of its personnel and their families and will therefore take care of periodical medical examinations, will make arrangements for medical attendance, treatment or hospitalisation if and when necessary and will arrange for the account of the CONTRACTOR suitable insurance coverage for such contingencies.

2. HEALTH, SAFETY AND ENVIRONMENT

2.1 All CONTRACTOR personnel shall be equipped with proper and approved PPE such as sensible clothing, goggles, masks, air-fed helmets, dead-man switch, safety shoes, safety helmet with chin strap, ear protection, safety glasses, gloves, breathing apparatus at COMPANY's expenses and observe COMPANY safety regulation throughout the project duration.

The COMPANY shall, at its own expense, supply to all its CONTRACTOR's employees, servant and agents and ensure that employees, servant, and agents are provided with adequate personal protective clothing and equipment that shall satisfy statutory requirements and accepted industry standards. These shall include, but not

necessarily be limited to, a polycarbonate or fibreglass safety helmet, gloves, relevant eye (safety glasses/goggles) and ear protection, safety shoes or boots, cotton or frame retardant overalls, cotton mask and, where appropriate, safety harness (double lanyard not exceeding than 2 metres long). Such protective equipment shall be supplied and always maintained in good condition at COMPANY's expense as the case maybe and such expense shall be deemed to have been on the COMPANY or PRICE, without any cost to the CONTRACTOR's employees, servant and agents and shall be worn on all relevant occasions as indicated by notices, instructions and good sense.

2.2 CONTRACTOR shall be wholly responsible for the safety and safe working practise of its respective employee.

2.3 The CONTRACTOR shall ensure that their respective subcontractors and their employees, servant and agents shall not indulge in practical jokes, boisterous behaviour, horseplay, scuffling and the like and shall not permit the use, possession or sale of alcoholic beverages or illegal drugs while at the WORKSITE.

2.4 CONTRACTOR shall allow access to the audit carry out by COMPANY and/or CLIENT during the execution of the WORKS. CONTRACTOR to actively participate and positively responded to all audit requirement.

2.5 CONTRACTOR shall carry out sudit on all the near misses occur during the course of work. CONTRACTOR shall actively promote all it's workers to positively inform on all the occurrence of near misses or any lesson learn from other project.

3. PLANNING

3.1 See attached "Conceptual and FEED Engineering Schedule for "for Mutun mine transportation Logistic facilities for ESM, Bolivia."

3.2 The CONTRACTOR shall submit a weekly work plan and a week look ahead schedule by listing the activites to be done, and the corresponding manpower loading per trade in accordance with the overall schedule. The CONTRACTOR shall prepare,

update and submit to the COMPANY of the weekly progress inclusive highlight on the area concern.

3.3A mutually agreed complete Works Execution Plan including Detailed Deliverable Document List with delivery dates need to be provided by CONTRACTOR which matches with the attached "Schedule for Conceptual and FEED Engineering Schedule for "for Mutun mine transportation Logistic facilities for ESM, Bolivia" Mentioned in 3.1

4. PROJECT MANAGEMENT

4.1 The CONTRACTOR shall manage all activities and phases of the WORK so as to ensure performance in accordance with the requirement of the CONTRACT. In this regard, CONTRACTOR shall develop and implement a project management information system and procedures for control, co-ordination and reporting its activities interfaces with the COMPANY and others.

5. COMPLETION

5.1 When the CONTRACTOR considers that work has been completed in accordance with the Contract, the CONTRACTOR shall notify COMPANY accordingly.

6. WORK SCHEDULE

6.1 FEED and Basic Engineering Schedule

NO	ACTIVITIES	DESCRIPTION		1Months				2Months				3Months				4Months				5Months				6Months	SUM
				1Week	2Week	3Week	4Week	5Week	6Week	7Week	8Week	9Week	10Week	11Week	12Week	13Week	14Week	15Week	16Week	17Week	18Week	19Week	20Week	21Week	
MILESTONE				SURVEY			FEED ENGINEERING				BASIC ENGINEERING														
1	SITE SURVEY		336	336	336	336	504	168	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2184	
1)	Smart Airport Yard Survey	3	168	168	168	168	168																	840	
2)	Grand Bridge Route Survey	3	168	168	168	168	168																	840	
3)	Technical Meeting	3					168	168	168															504	
2	FEED ENGINEERING FOR SMART AIRPORT AND GRAN		0	0	0	0	0	672	896	1344	1344	1344	1344	1344	1344	0	0	0	0	0	0	0	0	9632	
1)	Civil and Structure	12						672	672	672	672	672	672	672	672									5376	
2)	Mechanical and Electrical	8								448	448	448	448	448	448									2688	
3)	Building and Workshop	4								224	224	224	224	224	224									1568	
3	BASIC ENGINEERING FOR SMART AIRPORT AND GRAN		0	0	0	0	0	0	0	0	0	0	1456	2800	3472	3472	3472	3472	3472	3472	3472	2912	2240	33712	
1)	Civil and Structure	26											1456	1456	1456	1456	1456	1456	1456	1456	1456	1164.8	728	14997	
2)	Mechanical and Electrical	14												784	784	784	784	784	784	784	784	627.2	392	7291	
3)	Building and Workshop	10												560	560	560	560	560	560	560	560	448	448	5376	
4)	Construction Specification	6													336	336	336	336	336	336	336	336	336	3024	
5)	Cost Estimation	6													336	336	336	336	336	336	336	336	336	3024	



