

SOLUTION ADDRESS SA

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**SOLAD Mining area sub-
contracting services.**

2019

TABLE OF CONTENTS

I. SOLAD SUBCONTRACTING OVERVIEW	2
II PLANT GENERAL MAINTENANCE	2
II.1. AIR-CONDITIONING AND REFRIGERATION AREA.....	2
II.2. PLANT MECHANICS.....	3
II.3. INDUSTRIAL ELECTRICAL WORK.....	3
III BUILDING CONSTRUCTION.....	4
IV WELDING AND BOILERMAKING.....	4
V. WAREHOUSING AND STORE AREA.....	5
VI. PLUMBING AND POLYWELDING.....	5
VII. EARTH MOVING EQUIPMENT (MINING & MATERIAL HANDLING EQUIPMENT).....	6
VII. GARDENING & GREEN KEEPING.....	6
VIII. ADHERENCE TO INDUSTRIAL SAFETY STANDARD.....	7
IX. CONTACTS.....	8

I. SOLAD SUBCONTRACTING OVERVIEW

With a good understanding of mining industry challenges that result in an abnormal increase in most of the time the increase of the workload, solution address is making available set of subcontracting services to his clients that are obviously seeking for a high level of their facilities availability on the base of which the continuous business improvement will be assured. Therefore, Solution address can be outsourced to perform set of activities grouped in set of areas amongst and not limited to:

- Plant general maintenance;
- Mining production;
- Surveying Area;
- Warehousing and store area;
- Building Construction;
- Plumbing and Polywelding
- Cleaning Services.
- Gardening;
- Personnel transport...

II PLANT GENERAL MAINTENANCE

II.1. AIR-CONDITIONING AND REFRIGERATION AREA

In this area solution address can assist its customers in a wide range of activities amongst and not limited to:

	<ul style="list-style-type: none"> • Performing the installation of industrial and domestic air-conditioning systems; • Conducting the troubleshooting analysis of all defective air-conditioning systems and accordingly assess the corrective measures; • Performing the installation and the corrective maintenance of low and higher capacity refrigeration systems; • Assess the air-conditioning/cooling needs for both industrial and domestic facilities (houses, substations, tank house, warehouse...) • Conduct both preventive and corrective maintenance for air-conditioning, cooling and refrigeration systems. • Perform Auto-Air conditioning systems maintenance. 	
		
		
		

II.2. PLANT MECHANICS

The client can subcontract solution address to:

	<ul style="list-style-type: none"> • Perform the plant general housekeeping; • Perform the replacement of Ball and Sag Mill liners; 	
	<ul style="list-style-type: none"> • Perform the conveyor belt installation; • Perform the plant equipment alignment using Laser equipment • Perform the gear and pump installation and corrective maintenance; 	
	<ul style="list-style-type: none"> • Perform the tailings dams maintenance; • Perform the crusher and milling maintenance; • Carry out the maintenance of the conveyor belt systems; 	
	<ul style="list-style-type: none"> • Carry out the maintenance of tankhouses; • Perform the lubrication and greasing of mechanical components; • Mounting and dismounting plant mechanical components (Gearboxes, motors, conveyors...) • Carry out the refurbishment of plant structure by painting. • Clean plant and component; 	

II.3. INDUSTRIAL ELECTRICAL WORK

Solution address can be outsourced to perform a set of electrical related activities and works amongst and not limited to:

- Perform DC motors & generator maintenance;
- Perform AC & DC motor Maintenance'
- Perform the transformers
- Conduct the switching related maintenance activities
- Service Maintain Compressors & Pneumatic
- Service Variable Speed Drive (VSD)
- Service Tankhouse electrical systems

Note: Solution address ensures that all the work are performed taking into consideration of health and safety regulation







III BUILDING CONSTRUCTION.

Solution address can be subcontracted to:

	<ul style="list-style-type: none"> • Design buildings 2 and 3 D layouts using AutoCad, ArchiCad, Sketchup, visio... • Assess the building construction cost; • Perform the masonry works from the foundation to the top level; • Perform the roofing works • Perform the building finishing works (tiles laying, walling painting, walls plastering and painting, ceiling installation...) • Perform the carpentry construction; • Carry out the general demolition; • Perform the concrete work; • Install ceilings plywood gyprock; • Install insulation • Perform protective paint coating work • Install Plaster (Board,Glass,Fibre) Cement to Wall • Glaze/Reglaze Residential Doors and Windows • Install tiles; 	
		
		

IV WELDING AND BOILERMAKING

Solution Address can be outsourced to perform a wide range of boiler making and welding activities in a well-equipped client workshop. Therefore, works that may be performed by the solution address are amongst and not limited to

	<ul style="list-style-type: none"> • Launderers fabrication; • Chutes fabrication; • Surface refill; • Oxy-acetylene cutting works; • Structures fabrication; • Cylindrical and conical parts fabrication; • Apply Hard Facing Techniques - E2 • Assemble Fabricated Components 	
		
		

V. WAREHOUSING AND STORE AREA.

Solution address can assist his clients in:

- Performing the cleaning service of their company;
- Perform the warehouse audit and inventory.
- Perform the material handling works.
- Cataloguing
- Perform the cycle counting system;

VI. PLUMBING AND POLYWELDING

Solution Address can be outsourced to perform a wide range of plumbing activities. Those activities are and not limited to:

- Install discharge pipes
- Connect static storage tanks
- Install control valve assemblies, actuating devices and local alarms
- Fabricate and install steel pressure piping
- Build Collect and store roof water
- Fabricate and install external flashings
- Fabricate and install non-ferrous pressure piping
- Locate and clear blockages
- Install stormwater and sub-soil drainage systems
- Plan the layout for a residential sanitary drainage system
- Collect and store roof water
- Plan, size and layout roof drainage systems

VII. EARTH MOVING EQUIPMENT (MINING & MATERIAL HANDLING EQUIPMENT)

Solution Address can be outsourced with Earth Moving Equipment operators to perform both mining and material handling activities. Therefore, hereafter are set of Earth Moving Equipment our personnel can operate.

- Rigid Dump Truck;
- Articulated Dump Truck
- Dozer;
- Forklift;
- Excavator;
- Loader;
- Tractors;
- Bus;
- Jerry picker;
- Light vehicle;
- Boom Track;
- Mobile Crane;
- Gantry Crane...

VII. GARDENING & GREEN KEEPING

Solution Address can be outsourced to perform a wide range of gardening and green keeping activities. And mainly:

- Maintain Grassed Areas
- Treat Weeds
- Transplant Small Trees
- Trim Trees Greater Than 2 Meter High
- General housekeeping

VIII. ADHERENCE TO INDUSTRIAL SAFETY STANDARD

Solution address ensures that all the work are performed taking into consideration of health and safety regulations that include the use of several protective personal equipment with some of them listed as follow:

Relective vest	Safety Shoes	Hard Hat	Ears plugs/mask
			
Gloves	Gam Boot	Safety glasses	Overalls
			
Electrical	Welding mask	Welding mask	Welder protection suit
			
Welder overall		Electrical Tools	Isolation Lock (Lock Out)
			

IX. CONTACTS

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