

	ANNEX 1A. TECHNICAL SPECIFICATION - REQUIREMENTS FOR GOODS AND SERVICES.	
TECHNICAL MANAGEMENT		YEAR 2024

Notice: This document is only a courtesy translation into English of the document written in Spanish with Reference "Anexo 2 Requisitos SHA". Therefore, in the event of any difference between the two versions, the Spanish version shall prevail.

ANNEX 2.

SAFETY, HEALTH AND ENVIRONMENTAL REQUIREMENTS TO BE FULFILLED BY THE SUCCESSFUL SUPPLIER (CONTRACTOR)

THE CONTRACTOR must guarantee that its personnel (national and foreign) comply with all applicable national and international Occupational Health and Safety standards, and with the specific regulations for work in or near energized electrical installations, work at heights, work in excavations and earthworks, work in confined spaces, handling of chemical substances, lifting of loads, transport of dangerous goods, work with exposure to ionizing radiation and work involving dangerous energies.

Once the service has been awarded, the contractor must submit the following:

- ❖ Work Safety Analysis (WSA) of the activities to be carried out with the list of critical tasks and control measures for each task.
- ❖ The certifications and medical aptitude exams for Safe Work at Heights of the personnel that will carry out work at a height of more than 2 meters above a lower level during the execution of the work. (If applicable).

In the Task Safety Analysis (TSA), the primary analysis of the hazards associated with the tasks to be performed and the identification of the special individual and collective control measures for the protection of personnel shall be documented.

Regarding Safety for Fall Protection in Work at Heights, the contractor firm must provide documents evidencing that the personnel who will perform the work described in the scope of the work, has the certification and medical aptitude for work at heights, in accordance with the provisions of Resolution 4272 of 2021. It is important to mention that the contracting firm must have at least one duly certified coordinator for work at height.

Once the contractor firm finalizes the structuring of the SHA documentation related to the awarded work or service, it must send it to Monómeros, so that the review, feedback and/or endorsement in Safety, Health, Hygiene and Environment is carried out, for the start of the work and/or service.

In addition, once the Contract has been awarded, the Contractor shall comply with the other Health, Safety, Hygiene and Environmental Aspects and Other Provisions defined by Monómeros and its Subsidiaries.

❖ SHA Induction and Identification Cards.

All the workers of THE CONTRACTOR must be affiliated to an EPS and an ARL.

For foreign companies, it must be guaranteed that the personnel providing services in the country have coverage, assistance, health, and labor risk policies, which must be issued in the country of origin in accordance with the activity to be performed.

All personnel who will work in the work object of this request for offer must attend the safety, hygiene and environment induction dictated by the Safety, Hygiene and Environment Management of MONÓMEROS.

Once the safety induction has been completed, THE CONTRACTOR shall process with the Contracts Administration office of the Contracting and Purchasing Management of Monómeros, the issuance of the entry forms of all personnel to the Company's facilities. The CONTRACTOR shall be responsible for the cost of this card.

❖ Work Uniform and Personal Protective Equipment

All workers must permanently wear the personal protective equipment appropriate to the task to be carried out.

Basic Personal Protective Equipment:

Safety helmet: Helmet in polypropylene type I, class E&G, light helmet with 6-point suspension and anchorage points for 3-support chinstraps, must comply with ANSI Z89.1:2009, certified by an accredited entity external to the manufacturer. Colour according to specialty (red: SHA; white: administrative, supervisory; blue: metalworking, maintenance engineering; orange: instrumentation; grey: mechanical, yellow: electrical; green: other specialties).

Safety goggles: Polycarbonate goggles certified to ANSI Z87-1.2010, in 58 mm polycarbonate lens with grade 3 filter.

Safety boots with steel toecap: Safety boots in semi-fat waterproof leather with low-cut upper, steel or plastic toecap, anti-slip sole in thermoplastic polyurethane by cut injection with dielectric resistance, resistance to contact with hydrocarbons, acids, impact, compression and flexion, with steel or polycarbonate reinforced toecap, complying with ASTM F 2412 and F 2413 standards.

Hearing protectors: the choice of the type of protector to be used will depend on the working conditions in which the trade is carried out and its characteristics.

Disposable hearing protectors in hypoallergenic expandable foam with average attenuation (NRR) between 30 - 33 db. The insertion plug must be of hypoallergenic type, have approval level under ANSI Standard S3.19/1974 or its equivalent to the Colombian Technical Standard NTC-2272. In a color, that offers greater visibility for easy identification of the use of the protector (e.g. yellow, orange, neon, etc.).

Insert type-hearing protector made of silicone, with internal air chamber, hypoallergenic, including cord and individual case. Colored to provide high visibility for easy identification of the use of the protector (e.g. fluorescent, yellow, orange, neon, etc.). Attenuation of 26 dB or greater. Must have approval level under ANSI Standard S3.19/1974 or its equivalent to Colombian Technical Standard NTC-2272.

Cup-type hearing protector with attenuation of 29 dB or greater. Colored to provide greater visibility for easy identification of the use of the protector (e.g. yellow, orange, etc.). Attenuation of 29 db. Must have approval level under ANSI Standard S3.19/1974 or its equivalent to Colombian Technical Standard NTC-2272.

Special Personal Protective Equipment:

Respirators:

Disposable half-mask respirator: Respirator with metallic molding for hermetic adjustment on the surface of the face, in order to avoid by-pass of particulate material. Approved according to NIOSH 42 CFR 84, guarantee of nominal protection up to 10 times the exposure limit value (TLV) established by ACGIH. Minimum 95percentage filtration efficiency against aerosols of solids and non-oil containing liquids (N95), proven anti-allergenic materials of construction.

Respirator against metallic fumes: the selection of the type of respirator to be used will depend on the working conditions in which the work is carried out and the characteristics of the work.

Disposable respirator against metallic fumes for the execution of work with acetylene, electric, oxy-fuel, oxy-cutting and grinding welding. With NIOSH approval under specification 42CFR84. With nosepiece adjustment clip and flow control valve.

Silicone half-facepiece respirator, NIOSH approved for use with advanced electrostatic P100 particulate filter cartridges and activated carbon layer for ozone protection, NIOSH certified, especially for welding fume protection.

Fall Protection: Full body 4-ring harness. 22kN double locking carabiners. Tie Off or anchor straps for use in the construction of large anchorages. Y-slings with shock absorber for working at heights over 5m. Y-slings without shock absorber for working heights of less than 5m. Positioning slings for 1.6m length.

❖ Work Permits

THE CONTRACTOR shall request daily at the beginning of each working day, together with a supervisor assigned by **MONÓMEROS**, the corresponding work permits, without which no activity may begin at the Industrial Complex. The purpose of these permits is to assess the relevant risks of each activity to be carried out and to guarantee as far as possible the physical integrity of the workers and facilities.

❖ Internal Safety Regulations.

THE CONTRACTOR must comply with the internal industrial safety regulations of the Monómeros.

THE INTERVENTORY may order the removal of any worker who fails to comply with the safety standards and the minimum recommended technical specifications.

❖ Order and Cleanliness of the Work Area.

THE CONTRACTOR must carry out the daily order and cleanliness of the work area. It is forbidden to throw oil, rubbish or other waste in the gutters of the industrial complex.

❖ Safety, hygiene and environmental indicators.

The **CONTRACTOR** must comply with the accident and environmental management indexes defined by Monómeros at the time of signing the contract. The goal of the indicators for the

contracts signed during the term of the contract shall depend on the risks and object of the activities defined in the scope of the contract, such indicators shall change at the end of the annual term and shall be defined by the SHA Management of MONÓMEROS and notified by the INTERVENTOR(s) to the CONTRACTOR.

❖ Fatality Indicator = 0

MANAGEMENT INDICATORS	FORMULA
Project net accident frequency rate.	$\frac{(\# \text{ of lost time injuries } * 1,000,000)}{(\# \text{ of man hours of exposure})}$
Gross project frequency rate.	$\frac{(\# \text{ of total injuries (CTP+STP) } * 1,000,000)}{\# \text{ of man hours of exposure}}$
Project Severity Rate.	$\frac{((\text{Days lost} + \text{days burdened}) * 1,000,000)}{(\# \text{ of hours of exposure })}$
Project incidentally rate.	$\frac{((\# \text{ of medical care) } * 1,000,000)}{(\# \text{ of hours of exposure })}$

❖ Indicator Events with Environmental Commitment = 0

Failure to meet these indicators will result in penalties in accordance with the procedures established by Monómeros.