

MATRIZ DE IDENTIFICACION Y DISTRIBUCION DE RIESGOS																								
TIPO DE CONTRATO: CONTRATO DE SUMINISTRO																								
OBJETO:		"Adquisición y Suministro de tecnología de abatimiento secundaria de óxido nitroso (N2O), para la planta de ácido nítrico de Monómeros, ubicada en el Distrito Especial, Industrial y Portuario de Barranquilla, Departamento del Atlántico – Colombia, en el contexto de la iniciativa Nitric Acid Climate Action Group (NACAG)."																						
MONÓMEROS INTERNATIONAL OPEN BIDDING 001-2024 To contract the "Supply of a Secondary Nitrous Oxide (N2O) Abatement System for Monómeros' nitric acid plant, located in the Special, Industrial and Port District of Barranquilla, Department of Atlántico - Colombia, in the context of the Nitric Acid Climate Action Group (NACAG) initiative".																								
N°	Class	Source	Stage	Type	Description	Consequence of occurrence	Probability		Impact						Impact after treatment			Does it affect the execution of the Contract?	Person responsible for implementing the treatment	Estimated treatment start date	Estimated complete treatment date	Monitoring and Review		
							Category	Valuation	Category	Valuation	Risk Assessment	Risk Category	To whom is it assigned?	Treatment/Controls	Probability	Impact	Risk Assessment					Category	How is monitoring performed?	Periodicity When?
1	General	Internal	Planning	Operational	The definition of the need and the object established in the planning stage does not comply with the applicable selection modality, according to the guidelines of the Colombian public contracting regime applicable to the company MONÓMEROS COLOMBO VENEZOLANOS S.A.	The contractual process cannot be carried out due to non-compliance with the selection modality, delays in meeting the need and compliance with the agreements established in the Subsidy Contract signed with GIZ.	Rare	1	Menor	2	3	Low Risk	MONÓMEROS	Legal review and support, clarifying the requirements and applicability of each of the selection modalities, in accordance with the legal guidelines established by the General Statute of Colombian public procurement that are applicable, as well as the requirements of GIZ, in the grant contract.	1	1	2	Low Risk	Eventually	Monómeros' Contracts Office	Start of pre-contractual stage	Completion of the pre-contractual stage	Verification of budget and terms established in the grant contract.	The planning stage of the contracting process between Monomers and GIZ has been completed.
2	General	Internal	Planning	Operational	Declaration of state of emergency, public calamity, mandatory preventive isolation, curfew in Colombia.	The execution of the contract is difficult, the human resources are insufficient, the agreed obligations are not fulfilled under the defined conditions.	Improbable	2	Moderate	3	5	Medium Risk	MONÓMEROS	Use of greater technological resources in order to contribute to the fulfillment of the Contractor's defined obligations.	3	1	4	Low Risk	Generates delays	Supervisor and/or auditor of the contract	Contractual performance	After completion of the execution of the contract	Analysis of the social and economic environment, adopting alternative measures to help comply with the conditions agreed in the contract	Permanent
3	General	External	Hiring	Operational	Lack of subscription of the contract by the contractor and/or delay in the constitution and presentation of the guarantees (Policy and/or Bank Guarantee) required to guarantee compliance with the contract for the Supply of Abatement Technology.	Delay and impossibility to start the execution of the contract and impact on the achievement of the objectives and satisfaction of the need proposed by the company Monomers.	Likely	2	Menor	2	4	Low Risk	Contractor	Establish deadlines for the execution of the contract and compliance by the Contractor of the constitution of the Guarantees (Policy and/or Bank Guarantee), which must be delivered to Monomers 10 working days following the signing of the contract, extensions and/or additions). In case it is not provided within the term, the contractor is required and the organization must define the procedure.	3	3	5	Medium Risk	Generates delays	Monomers' Contracts Office	Start of pre-contractual stage	Completion Execution and Termination	If it occurs, note the treatment given to the risk and modify the matrix.	Completion of the Execution and Termination Stage.
4	General	Internal	Hiring	Operational	The impossibility of starting the execution of the contract due to lack of supervision and/or supervision of the contract.	Delays in the execution of the contracted object, which may generate delays, contractual modifications and variation in the value of the contract.	Improbable	2	Moderate	3	5	Medium Risk	MONÓMEROS	Designate and communicate the Supervision of the contract, which will be delegated to the technical area responsible for the project.	1	2	3	Low Risk	Generates delays	Unit that establishes the need	Start of pre-contractual stage	Completion of contract stage	If it occurs, note the treatment given to the risk and modify the matrix.	After the contracting stage has been completed
5	General	Internal	Hiring	Operational		Delays in the execution of the contracted object, which may generate delays, contractual modifications and variation in the value of the contract.	Possible	3	Menor	2	5	Medium Risk	MONÓMEROS	A prior review of the Health and Safety at Work (HSEO) requirements applicable to the subject matter of the contract is performed.	1	2	3	Low Risk	Generates delays	Unit establishing the requirement	Start of pre-contractual stage	Completion of contract stage	If it occurs, note the treatment given to the risk and modify the matrix.	After the contracting stage has been completed
6	General	Internal	Planning	Operational	Unintentional errors incorporated in the previous studies, bidding documents, related to the quantities, technical specifications of the goods and services required by the company Monomers for the acquisition and supply of Abatement Technology.	Affection in the execution of the contract, which could imply a modification in the terms of the contract and the contractor's obligations.	Possible	3	Menor	2	5	Medium Risk	MONOMERS/ CONTRACTOR	Verify from the planning stage (market research) and structuring of the previous documents required by the Colombian Public Procurement Regime and the Subsidy Contract signed with GIA, the units, quantities, specifications, products, services and arithmetic operations that may affect the correct execution of the supply contract.	1	2	3	Low Risk	Eventually	Monomers Contracts Office.	Start of pre-contractual stage	Completion of the execution stage	If it occurs, note the treatment given to the risk and modify the matrix.	After the execution stage

MATRIZ DE IDENTIFICACION Y DISTRIBUCION DE RIESGOS																								
TIPO DE CONTRATO: CONTRATO DE SUMINISTRO																								
OBJETO:		"Adquisición y Suministro de tecnología de abatimiento secundaria de óxido nítrico (N2O), para la planta de ácido nítrico de Monómeros, ubicada en el Distrito Especial, Industrial y Portuario de Barranquilla, Departamento del Atlántico – Colombia, en el contexto de la iniciativa Nitric Acid Climate Action Group (NACAG)."																						
MONÓMEROS INTERNATIONAL OPEN BIDDING 001-2024 To contract the "Supply of a Secondary Nitrous Oxide (N <sub>2</sub> O) Abatement System for Monómeros' nitric acid plant, located in the Special, Industrial and Port District of Barranquilla, Department of Atlántico - Colombia, in the context of the Nitric Acid Climate Action Group (NACAG) initiative".																								
					Probability		Impact							Impact after treatment		Does it affect the execution of the Contract?	Person responsible for implementing the treatment	Estimated treatment start date	Estimated complete treatment date	Monitoring and Review				
N°	Class	Source	Stage	Type	Description	Consequence of occurrence	Category	Valuation	Category	Valuation	Risk Assessment	Risk Category	To whom is it assigned?	Treatment/Controls	Probability					Impact	Risk Assessment	Category	How is monitoring performed?	Periodicity When?
7	General	External	Execution	Regulatory	Issuance of Colombian regulations or laws that impose new tributes, taxes or parafiscal charges that may affect the economic equilibrium of the contract.	It generates an additional burden to those foreseen, which may affect either or both parties to the contract.	Rare	1	Moderate	3	4	Low Risk	Monomers and contractor	Immediate application of legal provisions and adjustment of Monomers' internal processes.	2	1	3	Low Risk	Eventually	Contractor and Monomers	Contractual performance	Completion of execution stage	If it occurs, note the treatment given to the risk and modify the matrix.	After the execution stage
8	General	External	Execution	Operational	Non-compliance and/or delays by the contractor in the fulfillment of the object and obligations of the contract.	It affects the satisfaction of the need that the contract is intended to cover. May generate penalties and effectiveness of the Penalty Clause.	Possible	3	Moderate	3	6	High Risk	CONTRACTOR	Continuously follow up the execution of the contract and if there is evidence of an alleged breach and/or delays, the procedures, exceptional clauses, penalties, fines or the collection of the Penal Clause established by Monomers, according to the internal procedure applicable to the case, will be applied.	2	3	5	Medium Risk	Eventually		Contractual performance	Completion of execution and termination stage	If it occurs, note the treatment given to the risk and modify the matrix.	Completion of the execution and termination stage
9	General	External	Execution	Regulatory	Issuance of Colombian regulations or laws that impose new tributes, taxes or parafiscal charges that may affect the economic equilibrium of the contract.	It generates an additional burden to those foreseen, which may affect either or both parties to the contract.	Rare	1	Moderate	3	4	Low Risk	Monomers and contractor	Immediate application of legal provisions and adjustment of Monomers' internal processes.	2	1	3	Low Risk	Eventually	Contractor and Monomers	Contractual performance	Completion of execution stage	If it occurs, note the treatment given to the risk and modify the matrix.	After the execution stage
10	Specific	External	Execution	Operational	Risk due to lack of components, parts or equipment necessary to manufacture the basket to support the primary screens	Partial or total noncompliance with the obligations contracted by the Contractor.	Possible	3	Moderate	3	6	High Risk	Contractor	PRECONTRACTUAL	1	1	2	Low Risk	Eventually	Contractor Supervisor and	Contractual Execution	Settlement of the contract	Continuous monitoring by supervision.	After the execution stage
11	Specific	External	Execution	Operational	Errors in the elaboration of the inspection plan - Inspection Test Plan, elaboration of production drawings, recording of PMI -positive material identification Inspection Test Plan, preparation of fabrication drawings, PMI -positive material identification- application record, weld inspection record, application of non-destructive tests such as penetrant dyes, radiography, application of heat treatment, dimensional control record , on-site inspection by Monomers and submission of fabrication dossier by the Selected Contractor.	Partial or total noncompliance with the obligations contracted by the Contractor.	Possible	3	Moderate	3	6	High Risk	Contractor	CONTRACTING STAGE: Application of control by the supervisor during the execution of the contract, to verify the execution and compliance with the previous activities required of the contractor.	1	3	4	Low Risk	Eventually	Contractor Supervisor and	Contractual Execution	Settlement of the contract	Continuous monitoring by supervision.	After the execution stage
12	Specific	External	Execution	Economic	Increase in the costs of goods and elements and after-sales service required for the execution of the activities described in the Technical Annex prepared by the company Monomers for the development of the contractual activity.	Economic imbalance for the contractor.	Possible	3	Moderate	3	6	High Risk	Contractor	CONTRACTING STAGE: The contractor must consider possible price increases that may occur due to market variations or commercial measures before submitting the economic proposal.	2	2	4	Low Risk	Eventually	Contractor Supervisor and	Contractual Execution	Settlement of the contract	Continuous monitoring by supervision.	After the execution stage
13	Specific	External	Execution	Operational	Delays in the delivery of goods required by the company Monomers	Declaration of total or partial breach of contract.	Possible	3	Moderate	3	6	High Risk	Contractor	Preparation of schedule and/or work plan with the Contractor.	4	4	4	Major Risk	Eventually	Contractor Supervisor and	Contractual Execution	Settlement of the contract	Continuous monitoring by supervision.	After the execution stage
14	Specific	External	Execution	Operational	Delays in the designation of the personnel required for the supervision of the technical personnel supplied by Monomers during the assembly, installation and commissioning of the components that make up the secondary abatement system.	Affectation in the execution of the contract, which could imply a modification in the terms of the contract and the contractor's obligations.	Possible	3	Moderate	3	6	High Risk	Contractor	Continuous requirements to the Contractor and effective supervision of the Supply Contract, in order to avoid delays or non-compliance in the execution of the contract.	2	2	4	Low Risk	Eventually	Contractor and Supervisor	Contractual Execution	Settlement of the contract	Continuous monitoring by supervision.	After the execution stage

MATRIZ DE IDENTIFICACION Y DISTRIBUCION DE RIESGOS																								
TIPO DE CONTRATO: CONTRATO DE SUMINISTRO																								
OBJETO:		"Adquisición y Suministro de tecnología de abatimiento secundaria de óxido nitroso (N2O), para la planta de ácido nítrico de Monómeros, ubicada en el Distrito Especial, Industrial y Portuario de Barranquilla, Departamento del Atlántico – Colombia, en el contexto de la iniciativa Nitric Acid Climate Action Group (NACAG)."																						
MONÓMEROS INTERNATIONAL OPEN BIDDING 001-2024 To contract the "Supply of a Secondary Nitrous Oxide (N <sub>2</sub> O) Abatement System for Monómeros" nitric acid plant, located in the Special, Industrial and Port District of Barranquilla, Department of Atlántico - Colombia, in the context of the Nitric Acid Climate Action Group (NACAG) initiative".																								
							Probability		Impact						Impact after treatment		Does it affect the execution of the Contract?	Person responsible for implementing the treatment	Estimated treatment start date	Estimated complete treatment date	Monitoring and Review			
N°	Class	Source	Stage	Type	Description	Consequence of occurrence	Category	Valuation	Category	Valuation	Risk Assessment	Risk Category	To whom is it assigned?	Treatment/Controls	Probability	Impact					Risk Assessment	Category	How is monitoring performed?	Periodicity When?
15	Specific	External	Execution	Operational	Risks of damage to third parties, equipment or facilities of the Plant owned by Monomers, during the execution of the contract.	Additional costs over and above those budgeted for the damage caused	Possible	3	Menor	2	Low	Medium Risk	Contractor	Require the contractor to comply with the safety conditions and protocols defined by Monomero.	2	2	4	Low Risk	Eventually	Contractor Supervisor and	Contractual Execution	Settlement of the contract or	Continuous monitoring by supervision.	After the execution stage

Signature: \_\_\_\_\_

Name: \_\_\_\_\_ Name: \_\_\_\_\_ Name: XXXXXXXXXXXXXXXX Name: XXXXXXXXXXXXXXXX

\_\_\_\_\_