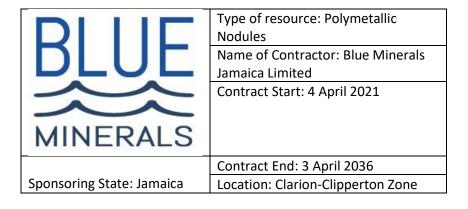
I. ANNEX

ISA Contract for Exploration – Public Information Template



Contents

Introduction

1.	Contract Information	2
2.	Coordinates and Illustrative Chart of the Exploration Area	3
3.	Plan of Work	5
4.	Programme of Activities and Exploration Expenditure	6
5.	Training Programme	8
6.	Standard clauses	9

Introduction

The information contained in this ISA Contract for Exploration – Public Information Template is made available to the public in response to the request by the Council of the ISA to make contracts publicly available, subject to restrictions on confidential information, industrial secrets and proprietary data.

The content of the present template is in accordance with the Regulations on Prospecting and Exploration for [Polymetallic Nodules in the Area] [ISBA/19/C/17] (the "Regulations").

1. Contract Information

Annex III of the Regulations.

Type of resource	Polymetallic Nodules
Name of Contractor	Blue Minerals Jamaica Limited
Contract Start	4 April 2021
Contract End	3 April 2036
Location	Clarion-Clipperton Zone
Contract Area (km²)	74,916

2. Coordinates and Illustrative Chart of the Exploration Area

Schedule 1 of Annex III of the Regulations.

		Format 1 (DD format)		Format 2 (DMS)					
Block	Turning	Latitude Longitude		Latitude (N)			Longitude (W)		
	Point	(N)	(W)	deg.	min.	sec.	deg.	min.	sec.
Α	1	13.1800	-135.0700	13	10	48.00	135	4	12.00
	2	13.1800	-134.7500	13	10	48.00	134	45	0.00
	3	10.9800	-134.7500	10	58	48.00	134	45	0.00
	4	10.9800	-135.0000	10	58	48.00	135	0	0.00
	5	11.2500	-135.0000	11	15	0.00	135	0	0.00
	6	11.2500	-135.3333	11	15	0.00	135	19	59.88
	7	10.9167	-135.3333	10	55	0.12	135	19	59.88
	8	10.9167	-136.0000	10	55	0.12	136	0	0.00
	9	10.1470	-136.0000	10	8	49.20	136	0	0.00
	10	10.1470	-137.0000	10	8	49.20	137	0	0.00
	11	10.8333	-137.0000	10	49	59.88	137	0	0.00
	12	10.8333	-136.5800	10	49	59.88	136	34	48.00
	13	11.6500	-136.5800	11	39	0.00	136	34	48.00
	14	11.6500	-137.3460	11	39	0.00	137	20	45.60
	15	12.1250	-137.3460	12	7	30.00	137	20	45.60
	16	12.1250	-136.7700	12	7	30.00	136	46	12.00
	17	12.2300	-136.7700	12	13	48.00	136	46	12.00
	18	12.2300	-135.8900	12	13	48.00	135	53	24.00
	19	12.1000	-135.8900	12	5	60.00	135	53	24.00
	20	12.1000	-135.4400	12	5	60.00	135	26	24.00
	21	12.3700	-135.4400	12	22	12.00	135	26	24.00
	22	12.3700	-134.8900	12	22	12.00	134	53	24.00
	23	12.7300	-134.8900	12	43	48.00	134	53	24.00
	24	12.7300	-135.0700	12	43	48.00	135	4	12.00
	25	13.1800	-135.0700	13	10	48.00	135	4	12.00
В	1	11.000	-123.3330	11	0	0.00	123	19	58.80
	2	11.0000	-122.1670	11	0	0.00	122	10	1.20
	3	9.8333	-122.1670	9	49	59.88	122	10	1.20
	4	9.8333	-123.3330	9	49	59.88	123	19	58.80
	5	11.0000	-123.3330	11	0	0.00	123	19	58.80
С	1	10.5000	-121.7000	10	30	0.00	121	42	0.00
	2	10.5000	-121.5000	10	30	0.00	121	30	0.00
	3	9.6667	-120.7910	9	40	0.12	120	47	27.60
	4	9.3330	-120.7910	9	19	58.80	120	47	27.60
	5	9.3330	-121.7000	9	19	58.80	121	42	0.00
	6	10.500	-121.7000	10	30	0.00	121	42	0.00
D	1	10.500	-120.3500	10	30	0.00	120	20	60.00
	2	10.500	-120.0000	10	30	0.00	120	0	0.00
	3	9.6667	-120.0000	9	40	0.12	120	0	0.00
	4	9.6667	-120.3500	9	40	0.12	120	20	60.00
	5	10.50000	-120.3500	10	30	0.00	120	20	60.00



4/9

3. Plan of Work

Summary of Plan of Work for Exploration including the Programme of Activities for the first and/or the current 5-year period (Regulation 18).

- Vessel-based mapping of seafloor bathymetry in the four blocks.
- Mapping and interpretation of acoustic backscatter from the vessel multibeam.
- Polymetallic nodule and sediment sampling within the box core sampler and analytical.
- Acquire seafloor photo imagery surveys, using a georeferenced towed camera.
- Identify and prioritize potential test mining sites and establish environmental baselines studies at choses test site(s).
- Collect environmental baseline data in the areas.
- Conduct AUV-based, high-resolution, near-bottom acoustic surveys of the seabed.
- Conduct bulk sampling of polymetallic nodules.
- Carry out engineering design for mining technology and ore processing methods.
- Estimate resources and define reserves.
- Conduct an EIA scoping study.

4. Programme of Activities and Exploration Expenditure

Section 4.1 of Annex IV of the Regulations and Schedule 2 of Annex III of the Regulations.

I. <u>Agreed 5-year Programme of Activities</u>

5-year Programme of Activities	First	Second		Third	Extension		
General Objectives	Objective		Description				
	Review of Relevan and International	 Review Publicly Available Exploration Data Analyse International Patents Examine Public Environmental Data Evaluate Previous and Modern Economic Studies 					
	Database Development Conducting Multibeam Bathymetric and Backscatter Survey			 Create Database Architecture Implement Data Capture Tools Streamline Data Delivery Reporting 			
				 Design survey grids for four contract blocks Carry out large-scale reconnaissance surveys Obtain and analyse bathymetric coverage Collect and evaluate backscatter data Block selection 			
	Nodule and Sediment Analysis		 Physical Analysis Mechanical Analysis Mineralogical Analysis Chemical Analysis 				
	Geological Resource Assessment		Nodule Type DeterminationNodule Size and Abundance Assessment				
	Geotechnical Properties Evaluation Biological Baseline Studies Water Column Physicochemical Sampling Surface Biological Observation Programme Implementation		Geotechnical Properties EvaluationGeological and Environmental Geochemical Assay				
			NInelN	1egafauna nfauna Stu DNA Samp 1orpholog	Studies dies		
			• D • C • A p	eploy CTD ollect wat	er column profile data ter samples for physicochemical		
			(F • C	elagOS) ollect and	offshore observation system record wildlife observations on weather and litter		
Near-Bottom Imaging Survey			• D • B • G	ata Analys enthic Me	ution Image Collection sis for Nodule Assessment gafauna Analysis Il Data Acquisition		

Environmental Baseline Study	 Habitat Mapping Studies of Pelagic Communities Detailed Sampling of Benthic Fauna Identification of Potential Mining Sites (AOIs) PRZs Identification Oceanographic Mooring Deployment Recovery and Redeployment of Oceanographic Moorings Plume/Deposition and Noise Modelling Ecosystem Models EIA Compilation
Engineering Review	Technology AssessmentTechnical Solution Review

II. Results achieved during reported year 2023: year 3

	Annual objectives and activities						
Year	No.	Agreed Objectives Objective: Completed, Modified, Postponed or Replaced					
Year 1	1	Review of Relevant Public and International Data	Completed.				
Year 1	2	Nodule and Sediment Analysis	Completed.				
Year 2	3	Conducting Multibeam Bathymetric and Backscatter Survey	 Design survey grids for four contract blocks – Completed Carry out large-scale reconnaissance surveys – Completed Obtain and analyse bathymetric coverage – Completed Collect and evaluate backscatter data – Completed 				
Year 2	4	Geotechnical Properties Evaluation	Completed				
Year 3	5	Biological Baseline Studies	Megafauna Studies – CompletedeDNA Sampling – Completed				
Year 3	6	Water Column Physicochemical Sampling	 Deploy CTD sensors for measurements – Completed Collect water column profile data – Completed 				
Year 3	7	Engineering Review	Completed				

5. Training Programme

Schedule 3 of Annex III of the Regulations.

I. <u>Training Programme</u>

Type of training	At-sea survey traineeship
Institutions	Allseas Group S.A.
Duration	3-weeks at-sea cruise
Scope	Practical and theoretical training in offline multibeam data processing and video eventing, with a brief introduction to online hydrographic survey operations.
Fields	Survey
Qualification required	Fluent in English, bachelor's degree.
Financing	Blue Minerals Jamaica Ltd.

II. <u>Trainings conducted up to reported year 2023</u>

The training will take place at the end of 2024 or the beginning of 2025, depending on the vessel schedule.

III. Completed Trainings per Year

Nothing to report.

6. Standard clauses

Annex IV of the Regulations.