EIS/EPRMP SCOPING AND SCREENING FORM (GENERIC)
(For EIS Compliance/ECC)

☐ 1st ☐2nd ☐3rd____th Screening

Date Submitted for Screening: _____
Form of Submission:____Hard_____Digital

Project Title: **River Restoration Project through Dredging Activity Cluster of Alag and Longos Rivers**
Project Location: **Baco, Oriental Mindoro**
Project Proponent **Bird's Nest Resources Corporation**
Authorized Representative: **Arch. Phil Christian A. Castro**
Address: **402 Bencom Bldg. 146 West Avenue, Brgy. Phil-Am, Quezon City**

Contact Person: **Arch. Phil Christian A. Castro**
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EIA Consultant: **In-house**
Contact Person: **Rainier Reyes**
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Date of Technical Scoping: **June 30, 2023**
Venue of Technical Scoping: **Hybrid Meeting**

Table 1. Checklist of Documentary Requirements
Boxes and blanks in the first column are to be filled-up during scoping and the rest, upon submission of EIS/EPRMP for screening

	Acceptable?		**Screening Officers' Remarks**
	Yes	No	
Environmental Impact Statement (EIS) Report			
Proof of Compatibility with the existing Land Use Plan			Annex 7
Proof of Authority over the Project Site • Approved Dredging Master Plan (DMP) from DPWH • Proof of authority over the offshore area (received application for the MLA) • Contract Agreement with the Provincial Government (LGUs) • Proof of authority Temporary Storage Area land-based components/ temporary facilities.			Annex 13 Annex 12 Annex 5 Annex 6
Accountability Statements of Preparers & Proponent (see Annexes 2-21 & 2-22 of Revised Procedural Manual for DAO 2003-30) duly signed and notarized by the proponent and preparer.			Annex 9
Duly Accomplished Project Environmental Monitoring & Audit Prioritization Scheme (PEMAPS) Questionnaire (see Annex 2-7d of Revised Procedural Manual for DAO 2003-30) duly signed and notarized by the proponent.			Annex 10
Study/computation of quantities and replenishment rate.			Annex 13
Area Clearance from the MGB regarding the offshore area.			Annex 11

ACTION TAKEN: (Please check to indicate corresponding action taken)

☐ Document accepted; please submit copies

☐ Document not accepted

☐

O.R. # _____

Date _____

NOTED BY:

BIANCA CHRISTIANNE I. ROLDAN
Screening Officer

ENGR. BUENA FE A. RIOFLORIDO
Chief, Clearance and Permitting Division

Date:

[1] *Please refer to attached checklist of EIS/EPRMP* Contents

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Table 2. EIS/EPRMP Annotated Outline

Sections / Subsections	Content	Page #	Acceptable?	REMARKS
Executive Summary (maximum of 15 pages)				
Project Fact Sheet	Summary of Project Description based on the approved dredging masterplan.	1		
Process Documentation	Documentation of the process undertaken in the conduct of EIA *(EIA Team, EIA Study Schedule & Area,* description of key EIA Methodologies by sector, *scoping and Public Participation)*	2 to 8		
EIA Summary	• Discussion on no project option • Baseline summary of Assessment and Mitigation • Concise integrated discussion on the ecological profile and carrying capacity of the proposed project site • Summary of the Environmental Management Goals and Indicator Limits for Water Quality	9 to 16		
1. Project Description Include as an introduction, basic information about the project and project proponent including the regulatory mandate of the LGU				
1.1 Project Location and Area	a) Describe the vicinity and the accessibility of the project site/area	1-1		
	b) Geographic coordinates (shapefile data) of project area (use WGS 84 datum - GPS setting) • Shape file of the project area.	1-1 to 1-2		Annex 1
	c) Map showing sitio, barangay, municipality, province, region boundaries, vicinity, proposed buffers surrounding the area and Primary & secondary impact areas • Indicate the project's proximity to the nearest Protected Area/s (PAs) and RAMSAR Sites. • Indicate nearby sensitive ecosystems in the project area. Marine, and other ecosystems. • Include the marine protected areas within or in proximity with the project area. • Location of stockpile area for dredge materials and spoils	1-2 to 1-5		
1.2 Development Framework	• Cite and focus on the need for the project based on national and regional/local economic development in terms of contribution to sustainable development agenda or current development thrusts. • Describe the justification for the Project with particular reference made to the economic and social benefits, including employment and associate economic development, which the project may provide. The status of the project should be discussed in a regional and national context.	1-6 to 1-7		
1.3 Alternatives	a) Discuss the consequences of not proceeding with the project or no project option - Include the alternatives of the dredging equipment. Descriptive analysis on why a certain type of dredger was chosen.	1-7		

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1.4 Size, General Water Use and Components	a) Discuss total area and water use - Describe. Lifted from initial perception survey -Describe best beneficial usage of the river	1-8		
	b) Maps showing in particular, the location and boundaries of project area and dredging master plan showing areas and proposed buffers. - Indicate in one map or series of maps. Show structures likely to be affected and what will be the mitigation.			

Sections / Subsections	Content	Page #	Acceptable?	REMARKS
	c) Description of dredging activity, and description of support facilities including dredging equipment (numbers, type and capacity) - Describe from the mouth of the river. -How will the dredging be carried out towards the upstream. -Include a Site Development Map showing the location of all the project components and equipment	1-8		
	d) Identification of infrastructure requirements such as power and water supply, if any - Where will the power and water supply be sourced from?	1-8		
	e) Description waste management system for silt.	1-8		
1.5 Schedule of dredging	a) Discussion on dredging activity schedule. b) Include indicative project lifespan (No of years and Volume in m^3 per year and Total Volume)	1-8		
1.6 General Stages of Development and Activities	Phases to be described in terms identifying specific activities (w/ special attention on those with significant environmental impacts as well as climate change adaptation options relevant to the project and project activities) and corresponding projected implementation timeframes: • ***Dredging Operation-*** A discussion of commercial disposition of materials, projected period of full operation of various project components, and discussion of various equipment to be used in dredging. • ***Demobilization*** Dismantling/abandonment of facilities/ equipment and other necessary activities These should be discussed in the context of the approved dredging plan of the DPWH.	1-9 to 1-10		
1.7 Organization, Management and Manpower	Define and discuss organizational and other institutional mechanisms that will be used to implement and manage the various development activities - Indicate the people/personnel who will oversee the community, environmental, and other responsibilities.	1-11		
	Tabulate and discuss the following per phase of site development: ○ manpower requirements; ○ expertise/skills needed; ○ nature & estimated number of jobs available for men, women, and indigenous peoples (if sited in IP ancestral land); ○ preferred scheme for sourcing locally from host and neighboring LGUs ○ projected timeframe for the manpower requirement ○ Relationship of the Contractor (Proponent) with the government (Entity who have jurisdiction over the dredging area) (Matrix Form).	1-11		

	Tabulate and discuss projected manpower requirements of dredging operators using the same parameters above.			
1.8 Project Schedule and Cost	Indicative Total Project Investment Cost (Philippine Peso) Discuss projected cost: • In terms of investments - support facilities and infrastructure requirements - waste management system for silt	- 1-11		
2. Ecological Profile and Assessment of Impacts of Land Development *(for new projects or existing with expansion in land area)*				

Sections / Subsections	**Content**	**Page #**	**Acceptable?**	**REMARKS**
For EIS, the Environmental Management Goals and Indicator Limits as well as the Study Area Coverage in the primary and secondary impact areas (*as determined using the Guidelines in Annex 2-2 of the Revised Procedural Manual (RPM) for DAO 2003-30 or succeeding issuances*) shall be specified for each sector. Climate change projections and disaster risks based on existing natural hazard information shall also be considered. <u>For all maps</u>, include overlays of project area footprint, show sensitive/critical receptors and sampling points for baseline data (indicate geographical coordinates). In conclusion, the residual and cumulative impacts shall be assessed.				
2.1 Study Area Coverage *(indicating primary and secondary impact areas)*	*Land* - Description & Map showing the study area - Include the direct and indirect impact areas with reference to affected Brgys.	2-1		
	Water - Description & Map showing the study area coverage vis-à-vis WQMA in the area (if applicable) • *Freshwater and Marine Ecosystem* - Include freshwater and marine ecosystem (Flora and Fauna). Observe at what TSS levels can the rice paddies continue to operate. As well as the freshwater and marine ecosystems. -Also include the existing use of the river. Identify the livelihood of the community relying on the river resources.	2-1		
	People - Description & Map showing the study area *(primary and secondary)*	2-1 to 2-3		
2.2 Ecoprofile and Assessment of Impacts	The ecoprofile, impact assessment and corresponding approach/method shall be guided by the prescriptions in Table 3.			
3. Carrying Capacity Assessment (Specifically on the SILT/Sediments) The carrying capacity assessment shall consider the environmental management goal, the indicator limits and the results of the carrying capacity analysis				
3.1 Environmental Management Goal and Indicator Limits	Framework, description and listing of environmental management goals and indicator limits for:			
	Land • *Site assessment for the disposal of unacceptable materials or spoils.* - Management goal depending on the implementation of the approved dredging permit.	3-1		

	Water • *Marine and Freshwater* • *Irrigation waters* - Water quality. Maintain the quality of the coastal waters and irrigation waters.	3-1		
	People • *Focus on livelihood, accessibility, potential displacement* - Will the accessibility to the river be impeded by the project? How will the community access the river throughout the project?	3-1		
3.2 Carrying Capacity Analysis	Define, describe and quantify the "*maximum allowable limits*" (MAL) for dredging • *Use the available USA-EPA Guidelines for the carrying capacity.* - May use revised R-USLE.			3-1 to 3-7
4. Environmental Management Program (EMP) The EMP shall be limit to most significant impacts per project phase and per environmental component arising from key environmental aspects (***See Annex 2-17 of RPM for DAO 2003-30***) and shall contain items identified in 4.1 to 4.7. Appropriate climate change adaptation and disaster risk reduction measures/options shall likewise be thoroughly discussed.				
4.1 Environmental Plan Framework and Strategic Components including establishment of an Environmental Management System (EMS) **-** What are the different sections to be affected and the mitigation measures to be implemented?		4-1		
4.2 Impact Management in the design of dredging activity	Description of Environmental Impact Management - Designed by proponent. Identify which impacts may be reversible, irreversible and residual -Will dredging shelters be made?	4-2 to 4-5		
4.3 Water Quality Management Program	• Water Quality Monitoring Plan. TSS, Fecal coliform, Oil and Grease • Coastal Resources Management Plan. In context of the project and in coordination with the LGU and NGAs. • Irrigation Water. Coordinate with NIA	4-6 to 4-7		

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Sections / Subsections	Content	Page #	Acceptable?	REMARKS
4.4 Social Impact Management and Development Program	• Resolution of Conflicting Issuances (if applicable) • Compensation Plan for affected stakeholders *(framework)* • Social Development Plan *(in the context of the project)* • Information, Education and Communication Program (IEC) -Are there IPs in the area? If none, CNO from NCIP -Are there any residential units in the area?	4-8		
4.5 Environmental Risk Management Plan for the river system	• Safety Management System • Emergency Response Plan in case of oil spill • Compensation Fund - Both for the workers and the community. - Fuel storage. Oil spill contingency plan	4-8 to 4-11		
4.6 River Delta and Shoreline Enhancement Plan	• Indicate the planned depth and width of the river delta to be cleared; • Maximum distance to the end of the clearing; • Bathymetry and Marine Survey of the immediate environment; • Location or proximity of the protected areas (Pas) within/or from the vicinity, if any; and • Quantity of materials to be removed.	4-11 to 4-14		
5. Social Development Plan/Framework (SDP) and IEC Framework				
5.1 Social Development Program (SDP)	Community development or livelihood programs/activities, projected beneficiaries, partner institutions, timeframe of implementation as well as source and amount allotted per activity/component (**See Annex 2-18 of RPM for DAO 2003-30**) - Issues raised during IEC, public scoping and initial perception survey. And public consultation (once conducted)	5-1		
5.2 Information and Education Campaign (IEC)	Target sector, key messages, scheme/strategy/methods, Information medium, timelines and frequency, cost (**See Annex 2-19 of RPM for DAO 2003-30**)	5-5		
6. Environmental Compliance Monitoring				
6.1 Self-Monitoring and Reporting Plan	The monitoring plan shall include the following - Scheme for the reporting to EMB - Scheme for consolidated compliance reporting. - Summarized using **Annex 2-20 of RPM for DAO 2003-30** or succeeding issuances as template, integrating the Environmental Management Indicator limits, *Maximum Allowable Limit (MAL), and Total Maximum Daily Load (TMDL); It should be based on available standards and water quality criteria (most beneficial use)*	6-1		

6.2 Environmental Guarantee and Monitoring Fund Commitments	• Discussion on the necessity of putting up an EGF. If deemed necessary, present a proposed amount of EGF indicating the basis for the estimate (**per guidelines in annex 3-6 of RPM for DAO 2003-30**). Environmental Liability mechanism for the setting of the amount of EGF to be put up, as well as for disbursement of EGF shall be specified. - Proponent has to propose the amount. Coordinate with CENRO, PENRO and PEMU	6-3		
7. Demobilization/Decommissioning Policy Statement on Proponent's policies to implement the demobilization plan - How will the bunk houses be cleaned up? The potential hotspots?		7-1		
8. Institutional Plan for EMP Implementation Present the organizational scheme of the proponent including the establishment of an Environment, Health and Safety (EHS) Unit, the line of command and reporting procedures as well as manpower complement and relationships with other operating departments. Also present external Linkages and Financing Arrangements. - Who are the primary persons responsible in implementing the EMP and EMMOP and those in charge with dealing with the community.		8-1		

Table 3. Ecological Profiling and Assessment of Impacts of land development *(for new projects or existing with expansion in land area)*

During scoping: Unless otherwise specified as agreed during scoping, all items listed below are required. Indicate further instructions (if any)			✓ **for** *completeness during procedural* ***screening****; page numbers should be provided upon submission of the EIS*		
Projected Impacts	**Ecoprofile Parameter**	**Methodology/Approach**	**Page**	✓	**Remarks**
1. Land					
1.1 Land Use and Classification of nearby areas including ECA (DMO 2023-01)			2-4 to 2-6		
2. Water					
2.1 Hydrology/Hydrogeology					
2.1.1 Change in drainage morphology / Inducement of flooding/ Reduction in stream volumetric flow	Drainage map (also showing local drainage system/infrastructures); historical flooding/drought occurrences, stream flow measurements/estimates; Delineation of watershed /sub-watersheds/ floodplain; and identification of aquifers if any	Identify and assess project impact on the change in drainage morphology/local drainage system and resulting effects of flooding pattern in the project area and surrounding. Include climate projections effects on flooding. Relate discussions to item 3.1.1	2-7		
2.1.2 Change in stream, and depth	Regional hydrogeological map	Identify and assess project impact in terms of change in stream, and depth	2-7		
2.1.3 Depletion of water resources / competition in water use	Current / projected water use (groundwater/surface water) in the area and adjacent areas Inventory of water supply source including springs and wells (indicate depth of water table) and show location in a map of appropriate scale - Will there be a resulting competition with the local stakeholders in terms of water source to be used during dredging?	Identify and assess project impact on the existing water resources and the resulting competition in the water use using analysis/estimation of water availability. Include discussions taking into consideration the PAGASA medium to long term projections	2-9		
2.2 Oceanography *(applicable to projects with jetty/port and/or subsea structures that will change the bathymetry in the area)*					

2.2.1 Change/disruption in circulation pattern due to dredging	• Provide discussions *(Particularly in the mouth of the river)* - Will it affect the marine ecosystems and resources?	Identify and assess project impact on the degree of change/disruption of circulation pattern and the potential for coastal erosion	2-9		
2.2.2 Bathymetry (for the Navigational/Offshore Area)	• Provide a bathymetric map and discuss the offshore area needed to be dredged for the navigational based on the bathymetry.		2-9		
2.3 **Water Quality**					
2.3.1 Degradation of groundwater quality*	Physico-Chemical characterization of water : ☐ pH ☐ BOD ☐ Oil and grease ☐ TSS ☐ Fecal/ total coliform ☐ Salinity ☐ Sampling Site Map Coordination with Coast Guard with regards to sampling activity. -Salinity should be taken on the river stretch going upstream	Identify and assess project impact in terms of degradation of groundwater, coastal surface water and coastal/marine water quality. Use DENR standard methods and procedures for sampling and analysis.	2-11		
2.3.2 Degradation of surface water quality			2-13		
2.3.3 Degradation of coastal/marine water quality			2-15		
2.4. Freshwater Ecology					

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During scoping: Unless otherwise specified as agreed during scoping, all items listed below are required. Indicate further instructions (if any)			✓ **for** *completeness during procedural* ***screening****; page numbers should be provided upon submission of the EIS*		
Projected Impacts	**Ecoprofile Parameter**	**Methodology/Approach**	**Page**	✓	**Remarks**
2.4.1 Threat to existence and/or loss species of important local and habitat	• Summary of endemicity / conservation status • Abundance of ecologically and economically important species (fishes, benthos, planktons); • Presence of pollution indicator species; • Sampling site map - Refer to BMB guidelines. Observe correct writing of scientific names. See BMB Technical Bulletin 2019-04 for reference.	Identify and assess project impact in terms of threats to existence/and or loss of species, abundance frequency and distribution species and include discussions on overall impact to freshwater ecology. Relate discussions to air and water Show in a map, sampling sites for monitoring purposes based on the most significant threats identified.	2-20		
2.4.2 Threat to abundance, frequency and distribution of species			2-20		
2.5 **Marine Ecology** *(applicable if project involves activities, discharges and structure in marine waters)*					
2.5.1 Threat to existence and/or loss of important local species and habitat	• Abundance/densities/distribution of ecologically and economically important species in the navigational area/offshore *(mangroves, fishes, benthos, planktons, coral reefs, algae, seaweeds, seagrasses);*	Based on reliable secondary data for baseline parameters, identify and assess project impact in terms of threats to existence, loss of important local species, threat to abundance, frequency and distribution and include discussions on overall impact to marine ecology. Relate discussions to air, water and oceanography. *In the absence of reliable secondary data, use quadrat, transect, line intercept, spot dive, manta tow, marine resource characterization (e.g. municipal and commercial fisheries data) for baseline gathering.*	2-20 to 2-27		
2.5.2 Threat to abundance, frequency and distribution			2-27		
3. Air					
3.1 Noise					
3.1.2 Increase in ambient noise level	Characterization of ambient noise level Sampling site map - Nearest community to be affected by the dredging. -Include the baseline data for noise levels prior and during project operation. -Settlement map.		2-30		
4. People					
4.1 In-migration proliferation of informal settlers	Demographic data of impact area: - Number of households and household size - Land area, - Population	Identify and assess project impacts on demography of affected communities. Use assessment in the formulation of SDP/IEC	2-31		
			2-53		

	- Population density /growth - gender and age profile, - literacy rate, profile of educational attainment. - Economic profile lift from LGU	Identify and assess project impact due to in-migration patterns including proliferation of informal settlers	☐ 1st	☐2nd	☐3rd____th Screening

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During scoping: Unless otherwise specified as agreed during scoping, all items listed below are required. Indicate further instructions (if any)			✓ **for** *completeness during procedural* ***screening****; page numbers should be provided upon submission of the EIS*		
Projected Impacts	**Ecoprofile Parameter**	**Methodology/Approach**	**Page**	✓	**Remarks**
4.2 Threat to delivery of basic services /resource competition	Availability of public services in terms of: Water supply statistical data / information related to public services: - Crime rate	Identify and assess project impact in terms of threats to delivery of basic services including potential for resource competition in the area including effects of in-migration	2-53		
4.3 Threat to public health and safety	Availability of public services in terms of: health resources (Government and Private) Statistical data / information related to public services: • Morbidity and mortality rates (infants and adults - 5-year trend). Barangay/LGU level • Common diseases in the area including endemic diseases; • Protocol on how to control the spread of the Covid19. Environmental Health and Sanitation Profile	Identify and assess specific threats to public health and safety	2-53		
4.4 Generation of Local Benefits from the project (Highlight) Enhancement of employment and livelihood opportunities Increased business opportunities and associated economic activities Increased revenue of LGUs	Socioeconomic data: • Main sources of Income • Employment rate/ profile • sources of livelihood • commercial establishments and activities • banking and financial institutions	Identify and assess local benefits of the project in terms of enhancement of employment and livelihood opportunities, increased business opportunities and associated economic activities and increased revenue of LGU	2-53		
4.5 Traffic congestion	Road network/ systems Existing Transportation/traffic situation Navigational traffic -Use of Local roads (Brgy and Municipal Road) -Coastal Traffic (Coordination with LGU and Coast Guard)	Identify and assess project impact on the traffic situation in the area including congestion based on existing capacity of road system	2-54		

Table 4. Carrying Capacity Assessment

Silt/Sediment Management *(maximum silt/Sediments to be dredged per day) – Lift from the approved dredging permit or from the application submitted to DPWH. (Discuss)*

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Table 5. Environmental Risk Assessment to be included in the EIS/EPRMP

During Scoping: Check appropriate boxes. Indicate further instructions (if any)			*Procedural Screening* ☐		
Level of Coverage & Type of Risks	**CONTENTS OF ERA AS PART OF EIS/EPRMP** *For the identified safety risks in column 1*	Remarks/ Specific Scoping Instruction/s	Page	☐	Remarks
Safety Risks Type: ✓ Release of toxic substances (oil spill)	❒ Description of conditions, events and circumstances which could be significant in bringing about identified safety risks ❒ Description & assessment of the possible accident scenarios posing risk to the environment ❒ Description of the hazards, both immediate (acute effects) and delayed (chronic effects) for man and the environment posed by the release of toxic substance, as applicable. ❒ The safety policy and emergency preparedness guidelines consistent with the regulatory requirements. Emergency Preparedness should also consider natural hazards to the infrastructures and facilities. ❒ *Prevention of the occupational hazards and Traffic Risks (Land and Water)*		4-8		

Noted By:	**Signature**
Review Committee Members	
1. Engr. Jose Reynato Morente	
2. Maria Lourdes Q. Moreno, Ph.D.	
3. Engr. Buena Fe A. Rioflorido	
4. Engr. Pablito M. Estorque, Jr.	
Resource Persons:	

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Alan Valle (PENRO Oriental Mindoro)	
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