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

☐ 1st ☐2nd ☐3rd Screening

Date Submitted for Screening: _____
Form of Submission: ____Hard _____Digital
Project Title: ***Mompong River Restoration Project***
Project Location: ***Municipalities of Sablayan, Occidental Mindoro***
Project Proponent Bird's Nest Resources Corporation
Authorized Representative: Alfredo R. Tolentino
Address: Bencom, Building, Barangay Phil-am, Quezon City, Philippines

Contact Person: Alfredo R. Tolentino
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EIA Consultant: Green Development Sustainable Solutions, Inc.
Contact Person: Cathy Petalcorin
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Date of Technical Scoping: September 20, 2022
Venue of Technical Scoping: **Microsoft Teams (Online)**

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? Yes	No	**Screening Officers' Remarks**
Check required EIA Report[1] Environmental Impact Statement (EIS) *(include photographs or plates of project site, impact/affected areas and communities and land-use plan showing compatibility of the proposed project)*			Required
Proof of Authority over the Project Site ✓Approved Dredging Plan from DPWH ✓ Contract Agreement with the Government (LGUs)			Include computation of quantities and replenishment rate
Accountability Statements of Preparers & Proponent (see Annexes 2-21 & 2-22 of Revised Procedural Manual for DAO 2003-30)			Required *Signed and duly notarized (Proponent and Preparer) & PEMAPS Questionnaire

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

Document accepted; please submit copies

Document not accepted

☐

O.R. # _____
Date _____

For. Oliver C. Barrientos
Screening Officer

EMB Regional Office
Screening Office

NOTED BY:

EnP. Nicole Yuri Dorado
OIC, Clearance and Permitting Division
and concurrent OIC, EIA Section

Date: September 20, 2022

[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 dredging masterplan	ES 1-2		Quick presentation of the project (Area, length, total volume, allowable annual extraction rate, basis of allowable annual extraction rate – MGB & DPWH
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)*	ES 1-3 to ES 1-4		Composition of EIA Team and Different expertise of each member/team, include the highlights of the result of the KII and or FGD
EIA Summary	• Discussion on no project option – *No project Alternative* • Concise integrated discussion on the ecological profile and carrying capacity of the proposed project site • Summary of the Environmental Management Goals and Indicator Limits Water Quality	Page 1-6 to 1-13		What is the project option. Carrying capacity, rate of replenishment rate over the 10-year period. Sediment Transport Model (USLE Model)
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) Map showing sitio, barangay, municipality, province, region boundaries, vicinity, proposed buffers surrounding the area and Primary & secondary impact areas	Page 1-3 to Page 1-6		Introduction (Narrative with respect to the project); Rationale; Who are the proponent, the preparer, email addresses, and

	b) Geographic coordinates (shapefile data) of project area (use WGS 84 datum – GPS setting)	Page 1-3		Identify the Rice paddies that will be affected; Identification of areas that requires restoration; Show the access road going to the indirectly impacted areas; In the Marine kindly identify if there are any (The marine ecosystem, seagrasses, corals, marine sanctuaries, etc) Its actual distance to the project site and if it will be directly o indirectly affected by the project
	c. Describe the vicinity and the accessibility of the project site/area	Page 1-3		

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.	Page 1-8		Are there affected IPs (Indicate in the EIS)
1.3 Alternatives	a) Discuss the consequences of not proceeding with the project or no project option	Page 1-8		Discuss the consequences with proceeding with the project and with not proceeding with the project;
1.4 Size, General Water Use and Components	a) Discuss total area and water use	Page 1-9 to Page 1-13		Discuss the total area and the water use (i.e irrigation, fishing, etc); Fresh water ecology;
	b) Maps showing in particular, the location and boundaries of project area and dredging master plan showing areas and proposed buffers.	Annex E		Included

Sections / Subsections	Content	Page #	Acceptable?	REMARKS
	c) Description of dredging activity, and description of support facilities including dredging equipment (numbers, type and capacity)	Page 1-9 to Page 1-13		How many dredgers, type, capacity. Justification for the chosen type of dredger; The selected option should yield with the dredger with the least environmental impact; What are the support facilities
	d) Identification of infrastructure requirements such as power and water supply, if any	Page 1-13		Source of power (electricity) for the facilities and equipments; If there an fuel storage tank, describe the refueling process, Water supply (source), facilities relative thereto, waste water facility (i.e septic tank); Stockpile area
	e) Description waste management system for silt.	Page 2-82 to 2-83		Included
1.5 Schedule of dredging	a) Discussion on dredging activity schedule. b) Include indicative project lifespan	Page 1-16		Included
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: • ***Operation*** (projected period of full operation of various project components) include discussion of various equipment to be used in dredging • ***Demobilization*** Dismantling/abandonment of facilities/ equipment and other necessary activities	Page 1-14		Discuss it by section
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	Page 1-14 to 1-16		Included
	Tabulate and discuss the following per phase of site development:			Total no. of man power (Kindly include female

	○ 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).	N/A		
	Tabulate and discuss projected manpower requirements of dredging operators using the same parameters above.	N/A		Included
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	- Page 1-16 to 1-17		Included
2. **Ecological Profile and Assessment of Impacts of Land Development** *(for new projects or existing with expansion in land area)*				

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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. For all maps, 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	Pages 2-2 to 2-3; 2-11; 2-15; 2-18 to 2-20		required, local geology based on the studies submitted to MGB and DPWH;
	Water - Description & Map showing the study area coverage vis-à-vis WQMA in the area (if applicable) • *Freshwater and Marine Ecosystem*	Page 2-88 to 2-89		Hydrology; specifically, the watershed in the area; Maximum discharge flowrate of the river;
	People - Description & Map showing the study area *(primary and secondary)*	Page 2-185		Distance from the project area to the community (identification of the settlements and sitios)
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.*	Page 2-64		Carrying capacity (submitted to MGB and DPWH) this includes the replenishment rate of the river
	Water • *Marine and Freshwater* • *Irrigation waters*	Page 2-129 to 2-160		Amount to be extracted from the river, Engineering estimate what will be the most appropriate volume such that the water quality would not exceed the existing parameters Daily extraction limit.

	People • *Focus on livelihood, accessibility, potential displacement*	Page 2-187 to 2-216		Settlement Map, focus on the livelihood, the access of the community to the river during the project implementation (Will they be allowed?). When do the community fishes in the river…* Local yield of palay per hectare…*

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.*	*Maximum allowable limits (Determined thru the sediment transport model – USLE or UHE Delph) 3rd ___th Screening
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)		Included
4.2 Impact Management in the design of dredging activity	Description of Environmental Impact Management	Included
4.3 Water Quality Management Program	• Water Quality Monitoring Plan – Page 4-200 • Coastal Resources Management Plan – Page 2-116 t0 117 • Irrigation Water	Identify the key parameter, frequency, method of analysis to be used (to be indicated in the water quality monitoring plan); Volume and quality of the irrigation water (RRL on the TSS level that will not have an impact on the rice paddies) Marine- secondary data if available -marine sanctuaries

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)	Page 5-2 to 5-4		Social development plan in the context of the project, Perceived impact of the project to the community (explained thru IEC)
4.5 Environmental Risk Management Plan for the river system	• Safety Management System • Emergency Response Plan in case of oil spill • Compensation Fund	Page 4-3 to 4-10; 7-2 to 7-8		Safety management for the contractor and the community
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**)	Page 5-2 to 5-4		Based on the KII, in what areas can the proponent provide either in the form of livelihood or other activities;
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**)	Page 5-5		What are the concern of the communities (either thru consultation or meetings);
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)*	Page 6-2		Water quality and air quality, generation of hazardous waste (to be discussed in SMR); The monitoring should focus on TSS in terms of standard or sediment loads
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.	N/A		EGF and Compensation Fund.
7. **Demobilization/Decommissioning Policy** Statement on Proponent's policies to implement the demobilization plan		Page 8-2 to 8-3		Included
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.		Page 9-2		Who will be implementing, how much is the budget, who will be coordinating with the diff. gov agencies (IAC on dredging); Discuss the MMT

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

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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**
1. Land					
1.1 Land Use and Classification of nearby areas including ECA			2-4 to 2-9		Include. Tabular format, indicate the nearest ECA on the project area if none kindly cite. Kindly identify if there are existing Sand and Gravel Project in the area to be dredged.
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	2-82		Included; secondary data if available
2.1.2 Change in stream, and depth	Regional hydrogeological map	Identify and assess project impact in terms of change in stream, and depth	2-83		Included
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 andwells (indicate depth of water table) and show location in a map of appropriate scale	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	2-86		Inventory of spring and well if water will be sourced from the ground Skip this section if there will be no using of ground water.
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)*	Identify and assess project impact on the degree of change/disruption of circulation pattern and the potential for coastal erosion			Bathymetry
2.3 **Water Quality**					
2.3.1 Degradation of groundwater quality*	Physico-Chemical characterization of water : ☐ pH ☐ BOD5 ☐ Oil and grease ☐ TSS ☐ Fecal/ total coliform	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.	2-91		If ground water will be used in the project.
2.3.2 Degradation of surface water quality	☐ sampling site map		ES-11		Same parameters

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2.3.3 degradation of coastal/marine water quality			ES-11		Same parameters
2.4. Freshwater Ecology					

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	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.			Included
2.4.2Threat to abundance, frequency and distribution of species					Include. Check secondary data for the marine study within the area (if available). If not, do primary data *(extensively exclusive in the river mouth)..* Sampling sites should be at the minimum at the Upstream, Midstream, and Downstream
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 (mangroves, fishes, benthos, planktons, coral reefs, algae, seaweeds, sea grasses);	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.*	2-107		Secondary data could be used provided that it is not more than 5 years ago (2018 and above)
2.5.2 Threat to abundance, frequency and distribution			2-107		Identify the people who are benefiting from the existing marine ecosystem (Are there any fisherman in the area, etc.)
3. Air					
3.1 Noise					
3.1.2 Increase in ambient noise level	Characterization of ambient noise level Sampling site map		2-184, 6-5		Noise assessment
4. People					
4.1 In-migration proliferation of informal settlers	Demographic data of impact area: - Number of households and household size - Land area, - Population, - Population density /growth - gender and age profile, - literacy rate, profile of educational attainment.	Identify and assess project impacts on demography of affected communities. Use assessment in the formulation of SDP/IEC Identify and assess project impact due to in-migration patterns including proliferation of informal settlers	5-4 to 5-8		Barangay data if available, if now (municipality data 2020)
			2-216		

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During scoping: Unless otherwise specified as agreed during scoping, all items listed below are required. Indicate further instructions (if any)				*uring procedural bers should be sion of the EIS*
Projected Impacts	**Ecoprofile Parameter**	**Methodology/Approach**	**Page ✓**	**emarks**
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		Included - Pg. 2-216
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) • 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		Included - Pg. 2-217
4.4 Generation of Local Benefits from the project 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		Included Local ben income ta etc. - Pg. 2-217
4.5 Traffic congestion	Road network/ systems Existing Transportation/traffic situation	Identify and assess project impact on the traffic situation in the area including congestion based on existing capacity of road system		Included - Pg. 2-217

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.*

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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)*		2-125, 2-127; 7-2 to 7-8		Storage of oil; and oil transfer etc. Refer to the Annex 2-7e of RPM for DAO 2003-30

Noted By:	**Signature**
Review Committee Members	
1. Engr. Jose Reynato Morente (RevCom Chair)	
2. Maria Lourdes Q. Moreno, Ph.D (Chief,CZFERD)	
3. Engr. Buena Fe A. Rioflorido (Review Team)	
4. Engr. Nunilon R. Taguilig (Chief AWMS)	
6. EnP. Nicole Yuri V. Dorado	
Resource Persons:	

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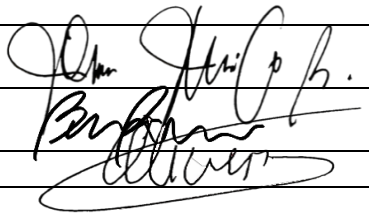
EMB Representatives:	
1. EnP. John Junico Udal	
2. Bianca Christianne Roldan	
3. For. Oliver C Barrientos	
Project Proponent:	
1.	
EIA Preparers:	
1.	
2.	