(For EIS Compliance/ECC)

□ 1 <sup>st</sup> □2 <sup>nd</sup> □3 <sup>rd</sup> —— <sup>th</sup> Screening

Date	Subr	nitte	d for	Screening:								
					_							

Form of Submission: Hard Digital

Project Title: BUSUANGA RIVER DREDGING PROJECT

Project Location: Municipalities of Rizal and San Jose, Occidental Mindoro

Project Proponent Royal Crown Tarlac 3G & Partners

Authorized Representative: MR. DAVID DELA CRUZ (President)

Address: 12-1C-12 FIr, EGI Rufino Towers, Buendia Ave., corner Taft Ave., Pasay City

Contact Person: MR. DAVID DELA CRUZ

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E-mail Address:

EIA Consultant: EIGEL Management Consulting

Contact Person: *Engr. Legilyn Concepcion de Asis / Project Manager* Address: 2nd Floor La Paloma Building, 223 Maon Street, Sta. Mesa

Heights, Quezon City Contact No: **09778141208** 

E-mail Address: eigelmngtconsulting@gmail.com

Date of Technical Scoping: June 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

	Accep	table?	Screening Officers' Remarks
	Yes	No	Screening Officers Remarks
Check required EIA Report¹ 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

<b>ACTION TAKEN:</b> (Please check to indicate corresponding action taken
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	☐ Document accepted; please submit copies
	☐ Document not accepted
O.R. #	

For. Oliver C. Barrientos
Screening Officer

EMB Regional Office Screening Office

Date

NOTED BY:

EnP/Nicole Yuri Dorado

OIC, Clearance and Permitting Division and concurrent OIC, EIA Section

Date: **JUNE 22, 2022** 

Project Name: PAGBAHAN RIVER DREDGING PROJECT

 $<sup>^{1}</sup>$  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			Quick presentation of the project (Area, length, total volume, allowable annual extraction rate, basis of allowable annual extraction rate – MGB & DPWH reviewed)
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)			Composition of EIA Team and Different expertise of each member/team, include the highlights of the result of the KII and or FGD (matrix Format)
EIA Summary	<ul> <li>Discussion on no project option</li> <li>Concise integrated discussion on the ecological profile and carrying capacity of the proposed project site</li> <li>Summary of the Environmental Management Goals and Indicator Limits Water Quality</li> </ul>			What is the project option.  Carrying capacity, rate of replenishment rate over the 10 year period.  Sediment Transport Model (USLE Model)
Project Description     Include as an introduction LGU	on uction, basic information about the project and project prop	oonent inc	luding the regula	tory mandate of the
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			Introduction (Narrative with respect to the project); Rationale; Who are the proponent, the preparer, email addresses, and contact number
	b) Geographic coordinates (shapefile data) of project area (use WGS 84 datum - GPS setting)			*directly and indirectly impacted
	c. Describe the vicinity and the accessibility of the project site/area			sectors; Indicate the geographic coordinate of the whole project area; Refer to the four (4) module below
1.2 Development Framework	<ul> <li>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.</li> </ul>			Are there affected IPs (Indicate in the EIS)
	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.			

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

1.3 Alternatives	a) Discuss the consequences of not proceeding with the project or no project option	□ 1 <sup>st</sup> □2 <sup>nd</sup> □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
1.4 Size, General Water Use and Components	a) Discuss total area and water use	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.	Included

(For EIS Compliance/ECC)

Sections / Subsections	Content	Page #	Acceptable?	REMARKS
	c) Description of dredging activity, and description of support facilities including dredging equipment (numbers, type and capacity)			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			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
				Ctoshpile area
	e) Description waste management system for silt.			Included
1.5 Schedule of dredging	a) Discussion on dredging activity schedule.     b) Include indicative project lifespan			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			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			Included
	Tabulate and discuss the following per phase of site development:			Total no. of man power (Kindly include female

	EIS/EPRMP SCOPING AND SCREENING FORM (GENERIC)  (For EIS Compliance/ECC)					
	<ul> <li>manpower requirements;</li> <li>expertise/skills needed;</li> <li>nature &amp; estimated number of jobs available for men, women, and indigenous peoples (if sited in IP ancestral land);</li> <li>preferred scheme for sourcing locally from host and neighboring LGUs</li> <li>projected timeframe for the manpower requirement</li> <li>Relationship of the Contractor (Proponent) with the government (Entity who have jurisdiction over the dredging area) (Matrix Form).</li> </ul>		□ 1 <sup>st</sup> □2 <sup>nd</sup>	employee who are qualified), equal opportunities regardless of gender Define accountabilities of the Principal and the Contractor		
	Tabulate and discuss projected manpower requirements of dredging operators using the same parameters above.			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	-		Refer to your presentation		
2. Ecological Profile a area)	and Assessment of Impacts of Land Development (for n	ew projec	cts or existing with	expansion in land		

(For EIS Compliance/ECC)

Sections / Subsections	Content	Page #	Acceptable?	REMARKS
secondary impact are succeeding issuances) hazard information s	mental Management Goals and Indicator Limits as well eas (as determined using the Guidelines in Annex 2-2 of the R shall be specified for each sector. Climate change project shall also be considered. For all maps, include overlaysing points for baseline data (indicate geographical coordinessed.	Revised Pro tions and of projec	ocedural Manual (Ri disaster risks bas ot area footprint,	PM) for DAO 2003-30 or sed on existing natural show sensitive/critical
2.1 Study Area Coverage (indicating primary and secondary impact areas)	Land - Description & Map showing the study area			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			Hydrology; specifically the watershed in the area; Maximum discharge flowrate of the river
2.2 Ecoprofile and	People - Description & Map showing the study area (primary and secondary)  The ecoprofile, impact assessment and corresponding			Distance from the project area to the community (identification of the settlements and sitios)
The carrying capacithe carrying capaciting.  3.1 Environmental	guided by the prescriptions in Table 3.  Assessment (Specifically on the SILT/Sediment ty assessment shall consider the environmental manager y analysis  Framework, description and listing of environmental manager.	nent goal,		
Management Goal and Indicator Limits	Site assessment for the disposal of unacceptable materials or spoils.			Carrying capacity (submitted to MGB and DPWH) this includes the replenishment rate of the river
	Marine and Freshwater     Irrigation waters			Amount to be extracted from the river, Engineering estimate what will be the most appropriativolume such that the water quality would not exeed the existing parameters
	People  • Focus on livelihood, accessibility, potential displacement			Daily extraction limits Settlement Map, focus on the livelihood, the access of the community to the river during the project implementation (Wi they be allowed?).
				When do the community fishes in the river* Local yield of palay per hectare*

#### (For EIS Compliance/ECC) Maximum allowable limits (Determined 3.2 Carrying Capacity Define, describe and quantify the "maximum allowable limits" (MAL) for dredging Analysis thru the sediment Use the available USA-EPA Guidelines for the carrying capacity. transport model -USLE or UHE Delph) 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. Included 4.1 Environmental Plan Framework and Strategic Components including establishment of an Environmental Management System (EMS) 4.2 Impact Description of Environmental Impact Management Included Management in the design of dredging activity 4.3 Water Quality · Water Quality Monitoring Plan Identify the key parameter, Management • Coastal Resources Management Plan frequency, method Program • Irrigation Water 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

EIS/EPRMP SCOPING AND SCREENING FORM (GENERIC)

-marine sanctuaries

(For EIS Compliance/ECC)

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)			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			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)			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)			What are the concern of the communities (either thru consultation or meetings);
6. Environmental Cor	mpliance Monitoring			gs/,
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)			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
<b>6.2</b> 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.			EGF and Compensation Fund.
7. Demobilization/Dec	commissioning Policy nent's policies to implement the demobilization plan			Included
8. Institutional Plan for Present the organ establishment of an command and report	izational scheme of the proponent including the Environment, Health and Safety (EHS) Unit, the line of ting procedures as well as manpower complement and other operating departments. Also present external			Who will be implementing, how much is the budget, who will be coordinating with the diff. gov agencies (IAC on dredging); Discuss the MMT

EIS/EPRMP SCOPING AND SCREENING FO (For EIS Compliance/ECC)	ORM (GENERIC)
	□ 1 <sup>st</sup> □2 <sup>nd</sup> □ roles and functions Proponent and contractor obligations.

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

(For EIS Compliance/ECC)

	ng: Unless otherwise specified as agreed during scoping, all items listed below 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	<b>✓</b>	Remarks	
1.1 Land Use and Classification of nearby areas including ECA					Include. Tabular format, indicate the nearest ECA on the project area if none kindly cite.	
2. Water						
2.1 Hydrology/Hydrog 2.1.1 Change in drainage morphology/ Inducement of flooding/ Reduction in stream volumetric flow		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			Included; secondary data if available	
2.1.2 Change in stream, and depth	Regional hydrogeological map	3.1.1 Identify and assess project impact in terms of change in stream, and depth			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			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 (a	applicable to projects with jetty/port and/or subsea structur					
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	Physico-Chemical characterization	Identify and assess project			If ground water will	
groundwater quality*	of water :  pH BOD5 Oil and grease TSS Fecal/ total coliform	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.			be used in the project.	
2.3.2 Degradation of surface water quality  2.3.3 degradation of coastal/marine water	ampling site map				Same parameters  Same parameters	
quality					paramotoro	

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

2.4. Freshwater Ecology

(For EIS Compliance/ECC)

are required. Indicate for	ng scoping: Unless otherwise specified as agreed during scoping, all items listed below equired. 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);	Identify and assess project impact in terms of threats to existence/and or loss of species, abundance frequency and distribution species and include		Included	
2.4.2Threat to abundance,	<ul> <li>Presence of pollution indicator species;</li> <li>Sampling site map</li> </ul>	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.		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	s and structure in marine waters)			
2.5.1 Threat to existence and/or loss of important local species and habitat 2.5.2 Threat to abundance, frequency and distribution  3. Air 3.1 Noise	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.		Secondary data could bused provided that it is not more than 5 years ago (2018 and above)	
				N.	
3.1.2 Increase in ambient noise level	Characterization of ambient noise level			Noise assessment	
	Sampling site map				
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		Barangay data if available, if now (municipality data 2020)	

(For EIS Compliance/ECC)

□ 1<sup>st</sup> □2<sup>nd</sup> □3<sup>rd</sup>——<sup>th</sup> Screening

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	<b>√</b>	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 inmigration			Included
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.	Identify and assess specific threats to public health and safety			Included
	Environmental Health and Sanitation Profile				
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 benefits such as income tax, business ta etc.
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

#### **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.

(For EIS Compliance/ECC)

 $\square$  1st  $\square$ 2nd  $\square$ 3rd——th Screening

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

During Scoping: Check appropriat	boxes. Indicate further instructions (if any)	Procedura	al 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)		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			
Engr. Jose Reynato Morente (RevCom Chair)	Jesellynda M. Mores		
2. Maria Lourdes Q. Moreno, Ph.D (Chief,CZFERD)	nughm		
3. Engr. Buena Fe A. Rioflorido (Review Team)	My cur - fin fort		
4. Engr. Nunilon R. Taguilig (Chief AWMS)	The stands		
6. EnP. Nicole Yuri V. Dorado	GW P		
Resource Persons:	1/1		
	V		

(For EIS Compliance/ECC)

EMB Representatives:	2 0/ 0
1. EnP. John Junico Udal	Open April p B.
2. Bianca Christianne Roldan	Broken
3. For. Oliver C Barrientos	dum
Project Proponent:	
1. Celina Cura	
EIA Preparers:	
1. Mohaideen Belbis	
2. Chris Ansley Ventanilla	
3. Marjorie Bucayu	
4. Legilyn Concepcion de Asis	
5. Nimfa Pagaduan	
6. Chatherine Cena	