

Joint
Venture



KKC Const. & Dev't. Corp.

Km. 10.5 Purok 30, Brgy. Cabantian, Buhangin, Davao City 8000
Telephone No.: (082) 291 - 7883 Mobile No.: +63998-238-8245 / +63915-879-8192
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FRONT NINE KONSTRUCT

BUILDERS AND REALTY DEVELOPMENT CORPORATION

Lot 26 Brgy. Bangad, Cabanatuan City, Nueva Ecija, 3100 Tel. No.: (044) 456-6454
Email Add: frontninekonstruct@yahoo.com



PUBLIC SCOPING REPORT

STA. CRUZ RIVER RESTORATION AND

REHABILITATION

JANUARY 10, 2023

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OFFICE OF THE MAYOR
Santa Cruz, Occidental Mindoro
RECEIVED
DATE: 12-14-22
TIME: 04:14
BY: [Signature]



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9 December 2022

Mr JOE AMIL M. SALINO

Regional Director, EMB 4B

DENR by the Bay

Roxas Boulevard, Manila

Dear RD Salino,

Greetings

We wish to inform you that we, KKC CONSTRUCTION AND DEVT. CORP. and FRONT NINE KONSTRUCT are tasked by the Provincial Government of Occidental Mindoro to Rehabilitate and Restore the Sta. Cruz River in line with its project to mitigate the threat of flooding within the Municipality of Sta. Cruz.

In pursuit of this project, we wish to inform you that we shall be conducting a series of Environmental and Technical Surveys and Public Consultations with Barangays Poblacion 1 and Lumangbayan to establish data and define recommendations for the environmentally safe project activities.

The results of these Surveys and Public consultations will be included in the Environmental Impact Studies to be submitted to the Environmental Management Bureau of the Department of Environment and Natural Resources in compliance with the DENR DAO 2020-12.

In line with this activity, may we request the earliest schedule this year that a Public Scoping be scheduled for this purpose. We will do the coordination with the other participants.

We enclose a copy of the endorsement of the office of the Provincial Governor for your reference.

We shall coordinate with your good office on this project.

Very Truly Yours,

ARSENIO B. GROSPE

Authorize Representative for JV

KKC CONSTRUCTION / FRONT NINE



RIAN UNSON - 0951 766 5937
0948 077 9659



Republika ng Pilipinas
Lalawiagan ng Kanlurang Mindoro
Bayan ng Sta. Cruz
BARANGAY POBLACION I


TANGGAPAN NG SANGGUNIANG BARANGAY

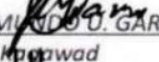
HALAW SA KATITIKAN NG REGULAR NA PAGPUPULONG NG SANGGUNIANG BARANGAY NG BARANGAY POBLACION I, STA. CRUZ, KANLURANG MINDORO NA GINANAP NOONG IKA- 16 NG ENERO 2023 GANAP NA IKA 10:00 NG UMAGA SA BARANGAY HALL NG POBLACION I, STA. CRUZ, KANLURANG MINDORO.

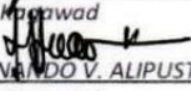
RESOLUSYON BLG. 01

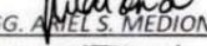
SERYE 2023


Mga dumalo:

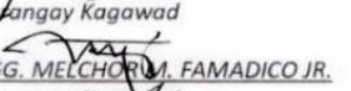

KGG. GERONIMO S. AGUILAR
Presiding Officer

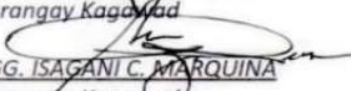

KGG. REYMONDO U. GARCIA
Barangay Kagawad


KGG. HERNANDO V. ALIPUSTAIN
Barangay Kagawad

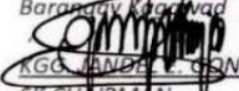

KGG. ANIEL S. MEDIONA
Barangay Kagawad


KGG. GIL C. DIOLATA
Barangay Kagawad

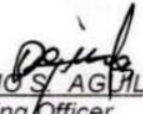

KGG. MELCHOR M. FAMADICO JR.
Barangay Kagawad


KGG. ISAGANI C. MARQUINA
Barangay Kagawad


KGG. RICHARD C. DE JESUS
Barangay Kagawad


KGG. JUANDEL C. GONZA
SK CHAIRMAN

NABATID/Pinagtibay:


KGG. GERONIMO S. AGUILAR
Presiding Officer

ISANG RESOLUSYONG MAGALANG NA HUMIHILING SA ATING BUTIHING PUNONG BAYAN KGG. ERNESTO P. TORRELIZA NA PAYAGAN ANG ISANG PRIBADONG KUMPANYA NA MAPAHUKAY O MADREDGING ANG TINATAWAG NA "SANTA CRUZ RIVER" MULA BUKANA NITO NA SAKOP NG BARANGAY POBLACION I, SANTA CRUZ OCCIDENTAL MINDORO SA PAMAMAGITAN NG KKC CONSTRUCTION AND DEVT. CORP. AT NG FRONT NINE KONSTRUCT NA MAGSASAGAWA NG NABANGGIT NA GAWAIN O PAGHUHUKAY. .

SAPAGKAT, panahon na naman ng tag-ulan na kasunod ay pagbaha na siyang pinangangambahan ng mga residente sa barangay;

SAPAGKAT, Malaki ang maitutulong ng pagtatanggal ng mga nakabarang mga isla sa gitna ng ilog at pagpapalalim nito upang maiwasan ang pag-apaw ng tubig sa kailugan;

SAPAGKAT, ang paghuhukay o dredging sa mga kailugan ay isang aspeto o gawain sa paghahanda upang malunasan ang malakihang pagbaha;

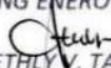
SAPAGKAT, kapag natanggal ang lahat ng nakabara o humaharang sa daluyan ng tubig ng kailugan ng barangay Poblacion I ay malunasan ang pagbaha sa aming barangay,

KUNG KAYA'T DAHIL DITO, sa mungkahi ni Kgg. MELCHOR M. FAMADICO JR. Komite ng ENVIRONMENTAL RESOURCES at pinangalawahan ni Kgg. Gil C. Diolata Komite ng Infrastructure at lahat ng dumalo sa pagpupulong, ang kapasyahang ito ay ganap na PINAGTIBAY.

PINAGPASYAHAN, DIN na bigyan ng sipi ng kapasyahang ito ang Tanggapan ng Punong Bayan at Municipal Risk Reduction Management Office (MDRRMO) para sa kanilang kabatiran.

Nilagdaan ngayong ika - 16 ng Enero 2023 sa Bahay Pulungan ng Barangay Poblacion I, Santa Cruz, Kanlurang Mindoro

PINATUTUNAYAN KO ANG KAWASTUHAN KAPASYAHANG ITO NA PINAGTIBAY NG SANGGUNIANG BARANGAY NG POBLACION I NGAYONG IKA - 16 NG ENERO 2023.


SETHLY V. TAÑEDO
Kalihim ng Barangay

Santa Cruz River Restoration and Rehabilitation

Public Forum
January 10, 2023

PROGRAM

1. Opening Prayer
2. National Anthem
3. Welcome Address
4. A Message from the Office
of The Mayor
5. Explanation of DAO 2020-012
and JMC No. 1-2019
6. A Message from the Office of
The Governor
7. Presentation of the River
Restoration Project
8. Open Forum



SANTA CRUZ RIVER RESTORATION AND REHABILITATION

A Project of the Province of Occidental Mindoro

Brgy. Poblacion I
Brgy. Lumangbayan
Santa Cruz, Occidental Mindoro

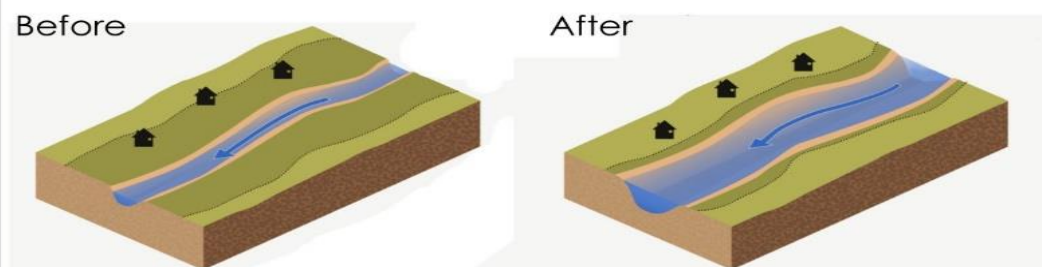


Name of Project : Santa Cruz River Restoration and Rehabilitation
Nature of Project : River Restoration and Rehabilitation Project
 Creation of a channel through the river delta to encourage the free flow of river water to the sea.
 Deepening of the river channels in specified areas.
 Removal of materials that hamper the natural flow of water via the river channels and river delta.
 Installation of riverbank protection measures.
Project Site : Santa Cruz River
 Brgy. Poblacion I
 Brgy. Lumangbayan,
 Sta. Cruz, Occidental Mindoro
Evaluated By : Provincial Governor's Office
 Environmental Management Bureau
 Mines and Geosciences Bureau
 Dept. of Public Works and Highways

River Delta Clearing



River Dredging



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SANTA CRUZ RIVER RESTORATION AND REHABILITATION

A Project of the Province of Occidental Mindoro



Brgy. Poblacion I, Brgy. Lumangbayan
Santa Cruz, Occidental Mindoro

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Photo Documentation, Attendance Sheets, and Other Documentation (Invitation Letters).



Photo 2.3 Community Representatives from 2 Barangays
Public Consultation with Barangay Poblacion 1



Photo 2.4 EMB Provincial Officer - Alexander Cusen explaining the need for the Project
Public Consultation with Barangay Poblacion 1



**Photo 2.5 Municipal Mayor Hon. Ernesto P. Torreliza explaining the need to address flooding
Public Consultation with Barangay Poblacion 1**



**Photo 2.5 Environment and Natural Resources Officer walking through the project site
Public Consultation with Barangay Poblacion 1**

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Photo 2.6 Proponent KKC Construction And Devt. Corp
Front Nine Konstruct with the Municipal Mayor of Sta. Cruz
and his Municipal Councils



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ATTENDANCE SHEET

NO.	NAME	AGENCY / DEPARTMENT	SIGNATURE
1.	JOSEPHINE M. DAPUSA	PNK	<i>[Signature]</i>
2.	Maximino T. Cuyos	Mangyada	<i>[Signature]</i>
3.	LORY- ANN UMALI	JO-STAFF	<i>[Signature]</i>
4.	Khimberly A. Atienza	JO-STAFF	<i>[Signature]</i>
5.	Lary Gata	SAMAHAN ngagada	<i>[Signature]</i>
6.	Bernie Gufiman	Samahan	<i>[Signature]</i>
7.	Emiliano C. Bulalacao Sr.	Mangyada	<i>[Signature]</i>
8.	Ariel S. Medicina	Kagawad	<i>[Signature]</i>
9.	MICHAEL C. DE SOSUS	KAGAWAD	<i>[Signature]</i>
10.	Edna Gata	Tanod	<i>[Signature]</i>
11.	Elen Gata	Tanod	<i>[Signature]</i>
12.	Francisco Tibio	TANOD	<i>[Signature]</i>
13.	JUNILIS B. UMALI	MANGINGISDA	<i>[Signature]</i>
14.	Alfredo Perry	Mangyada	<i>[Signature]</i>
15.	JOELYN Pagaduan	Mangyada	<i>[Signature]</i>
16.	Herbert Geron	Mangyada	<i>[Signature]</i>
17.	Benny Bariao	Mangyada	<i>[Signature]</i>
18.	Leonardo Douch	Mangyada	<i>[Signature]</i>
19.	Carlito Gueban		<i>[Signature]</i>
20.	Ornel Castro		<i>[Signature]</i>
21.	JONATHAN WALA		<i>[Signature]</i>
22.	Domingo Santiago		<i>[Signature]</i>
23.			<i>[Signature]</i>
24.	Archie Magallanes		<i>[Signature]</i>
25.	Marissa Madial		<i>[Signature]</i>
26.	Venercio Madial		<i>[Signature]</i>
27.	LORENA GATA	Samahan ng Mangyada	<i>[Signature]</i>
28.	Rupilyn de Guzman		<i>[Signature]</i>
29.	MARNEL SANTIAGO	Mangyada	<i>[Signature]</i>
30.	Charity Pagaduan	negotangisda	<i>[Signature]</i>
31.	GASPAR GAIN		<i>[Signature]</i>
32.	ARNEL A. SANTIAGO		<i>[Signature]</i>
33.	Rodrig S. GARCIA	TUNA PISTENPOLKE PRES	<i>[Signature]</i>
34.	Remundo U. Cerna	KAG.	<i>[Signature]</i>
35.	JIMSON M. DAMIRAY		<i>[Signature]</i>



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NO.	NAME	AGENCY / DEPARTMENT	SIGNATURE
1.	MICHELLE FLORES	Fish Vendor	
2.	Johnson Magbathi	Mangingisda	
3.	JOSEPH VIANA	Mangingisda	
4.	RONALDO Telebrico	Mangingisda	
5.	Jedery C. Cueto		
6.	Vincent L. Mayangga	Mangingisda	
7.	Patrick Joseph Mesa	Mangingisda	
8.	John Pala	Mangingisda	
9.	Josephine Dumalan		
10.	HELEN Y. SUPUSAW	BBJ KAKAWA	
11.	Ky nejo	Cadaceo	
12.	Roselyn Maranggo	Mangingisda	
13.	Colit Garay	FIS	
14.	MULACH DAMIRAY	FIS	
15.	Jay VALOEB	FIS	
16.	Noemi Cantor	FIS	
17.	Jessica Danao	Fisheries	
18.	Manibul Napoles	Fisheries	
19.	ROSE C. ESTANISLADO	TAFOD	
20.	Roselyn Estanido	Mangingisda	
21.	JULIO BAUTISTA	Mangingisda	
22.	ELIZALDE C. DAMIRAY	MANGINISDA	
23.	Sigto S. Lirio	Mangingisda	
24.	Eda Akusala C.	TRINIDAD	
25.	Maria Paula		
26.	Efron Alvarado		
27.	Jeralyn Batte	4ps	
28.	Dionilyn Cuyos	4ps.	
29.	MARK ROBERT G. PEDROCHE	Mangingisda	
30.	Sethly V. Tancos	Barangay Secretary	
31.	GIL C. DUOLTA	Bridge Eng.	
32.	JERVIS S. LEONARDO	Devir	
33.	Teresita A. Umali	4PS	
34.	HYOBE PADUA		
35.	Angel S. Vintura		



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NO.	NAME	AGENCY / DEPARTMENT	SIGNATURE
1.	Mairell A. Macapae	Treasurer	[Signature]
2.	ARNEL MangGibok	Play - [Signature]	[Signature]
3.	ARCHIE MangGibok		[Signature]
4.	LEIZEL LALONGISIP	Poblacion	[Signature]
5.	ASIGAN ROOZ E	Brgy Poblacion	[Signature]
6.	DILON ROYO	Poblacion	D. LON
7.	FEDRICO CATIBOG	Poblacion	F. Catibog
8.	MYRNA REYES	Brgy Poblacion	Myrna R.
9.	ELMER BUNQUIN	Brgy Poblacion	E. B.
10.	RICKY HINALMAN	"	R-H
11.	RICKMAN BUTULAN	"	RICKY B.
12.	MELANIE RODRIGUEZ	"	[Signature]
13.	ANGELA BUNQUIN		[Signature]
14.	JUDILYN CALIVATA	Farmers	[Signature]
15.	EMILIA CAVITERO	farmers	emilia cavitero
16.	JERRY REYES	Fishermen	[Signature]
17.	LIZAMAY TORRES	farmers	[Signature]
18.	ADRIAN CAUTERO	Fisher men	[Signature]
19.	ARALD CASTILLO	PBO	[Signature]
20.	ARNEL PRILL		[Signature]
21.	ACE GATDULA		
22.	JASON AFRAS		
23.	MELAND RUMOS	BFP Officer	
24.	BLUE CATALAN	Councilor	
25.	ERIN GUALAN		
26.	ELVIE CAUTOS	Vendor	
27.	HENRY AGUIRO		
28.	RENNY DUMLAO		
29.	JULCITA TRIA	Market Vendor	
30.	ACE ARILE	Fisherman	Ace
31.	JERRY PASIA	Fisher man	J. Pasia
32.	MARY ANN CANIS	Vendor	canismay
33.	STORY MALAPAJO	Vendor	story malapajo
34.	MAGIELYN MORLAN	Vendor	Morlan
35.	ELMER CHAVEZ	fisherman	[Signature]



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NO.	NAME	AGENCY / DEPARTMENT	SIGNATURE
1.	IRENEO M. CORTINA	P.G. ENRO	
2.	EMMANUEL P. ISUACIO	ENRO	
3.	ANDY CORTIN	ENR	
4.	Alicia Trina - Fernandez	SB	
5.	Trinita D. Dela Cruz	P/B-Lumangbayan	
6.	Berardino S. Aguilar	P/B PaBT	
7.	BOB ALDEA	PSG NI MADAME REGS.	
8.	MAFUEL UNSON	DRIVER	
9.	ROBERTA BONGUIT	HOUSEWIFE	R Bonguit
10.	RAYADO	HOUSEWIFE	
11.	HAROLD Z. CASTILLO	PGW	
12.	RIAN CRIS UNSON		
13.	PATRICIA FRANCES UNSON		
14.	Peggy Van Un	MC-Paom	
15.	JERRY PACIA		
16.	John Subong		
17.	LINAFOR TORRES	Vendor	
18.			
19.			



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NO.	NAME	AGENCY / DEPARTMENT	SIGNATURE
1.	Guinter D. Delaun	P/B	Delalun
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Segregated Comments, Issues raised, and suggestions based on the main modules of the EIA:

EIA Module	Issues/Suggestions Raised by Stakeholder	Sector or Representative Who Raised the Issue/Suggestion	Preparer and Proponent Response
PROJECT DESCRIPTION			
LAND	Hon. Ernesto Torreliza is complaining about soil testing done without permission from them.	Municipal Mayor	The Honorable Mayor is referring to a survey. The survey was commissioned by the Office of the Governor to provide initial information on the area.
WATER	Hon. Trinisitas de Jalon is concerned about the protected area of Salagan River like Turtle Nest and Sanctuary, and insisted that there should be a program for it.	Barangay Captain	The protected areas are identified and will not be touched by the project. Buffer Zones will be provided for. <ul style="list-style-type: none"> a. As for the Mangrove Reservation, no land operations will be done so not touch the mangroves. b. A buffer zone of 500 meters will be maintained for the MPA North of the work site. c. The turtle nest is currently classified as inactive by the PENRO but despite, the area will not be touched. The work will only focus on deepening the exit channel.
AIR			
PEOPLE	Hon. Ernesto Torreliza is hoping for the project to be essential and helpful to citizens and not to be a problem later. He also persuades to cooperate for the betterment of all.	Municipal Mayor	The Project is initiated by the Provincial Government in coordination with the DENR, EMB, DPWH, to address the perennial problems brought about by floods.

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	Mr. Romy Santos wished that the citizens of Poblacion 1 and the whole Municipality will participate and involve their selves as this project are mainly for the benefits of people.	KKC and Frontnine	The Public's participation and support is welcomed by the project.
	Hon. Ernesto Torreliza is requesting that most laborers/workers of the said dredging must be a locale to increase job opportunity.	Municipal Mayor	The Project will employ local workers.
OTHERS	Hon. Ernesto Torreliza is concern about its impact to business sector, environment, river, and community affected by the soon dredging.	Municipal Mayor	Dredging will not adversely affect local businesses. The purpose of the project is to alleviate the threat of floods. This should encourage businesses.
	What are the Projects to be done at the river, river mouth and shoreline of Sitio Wawa and Brgy. Poblacion 1?		The Project will deepen the river channels to increase water holding capacity. The project will also open and clear the exit channel to ensure that flood water flows freely to the sea.
	What should be done at the river side?		The river side will not be touched. The work will be done at the 1/3 of the middle of the river channel.
	What is the proposed program for Sitio Wawa?		The Project is solely focused on deepening the river and exit channels.
	If the proponent violates the contract, the community of Barangay and Official will request to stop the Project.		Yes. This will be provided for the MOA with DENR.
	Every time the proponent will conduct a test or study at the river, they should coordinate first to Municipality and Barangay.		There's a standard practice to inform the LGU.
	Propose Dike at river side of Brgy. Poblacion and Sitio Wawa		The Dike and Seawall will be referred to DPWH for study.
	Propose Dike for the protection of Turtle Island		
	Seawall at Sitio Wawa and Brgy. Poblacion 1		
	Requests that most laborers/workers of the said dredging must be a locale to increase job opportunity.		Job opportunities will be opened to local workers.

The Proposed Design of the Public Participation and analysis issued raised by the stakeholders using the appropriate methods

Table 6-2. Summary Matrix of the Proposed Environmental Management Plan

Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
Pre-Operation Phase							
	Land						
Lay-outing and Construction of road network system	Land use	Change in land use	Take into consideration the allowed use of the land	Covered by Project Pre-Operation Cost	Proponent	Pre-Operation Phase	ECC; MOA
Land Preparation	Geology and Terrain	Geologic hazards resulting from earthquakes, erosion and siltation	Conformance of building structure to seismic engineering design	Covered by Project Pre-Operation Cost	Proponent	Pre-Operation Phase	ECC; MOA
Mobilization of Equipment	Terrestrial Flora and Fauna	Disturbance to flora and fauna due to coming in and out of vehicles and equipment	Introduce speed limits on entering and outgoing vehicles Use of Mufflers	Covered by Project Pre-Operation Cost	Proponent	Pre-Operation Phase	ECC; MOA
	The Air						



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
	Air Quality	<p>Increase in TSP concentrations due to coming in and out of vehicles equipment</p> <p>Movement of people to and from the project site</p>	<p>Introduce speed limits on entering and outgoing vehicles</p> <p>Regulate vehicles and people entering to and from the barangay</p> <p>Regularly wet ground surface with water especially during dry season</p>	Covered by Project Pre-Operation Cost	Proponent	Pre-Operation Phase	ECC; MOA



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
	Noise Quality	Increase in noise generation due to coming in and out vehicles	<p>Introduce speed limits on access roads</p> <p>Regulate vehicles and people entering to and from Front Nine Construct and KKC Construction and Devt. Corporation project site and its vicinity</p> <p>Undertake proper maintenance of vehicles and equipment and use of mufflers</p>	Covered by Project Pre-Operation Cost	Proponent	Operation Phase	ECC; MOA
		Increase in ambient noise and air pollutants due to operational activities	Use a noise enclosure.	Covered by Project Pre-Operation Cost	Proponent	Operation Phase	ECC; MOA



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	The Water						
	Water Quality	Increase BOD Loading of the local surface water	Use sanitary facilities on the site Provision of adequate portable toilets	Covered by Project Pre-Operation Cost	Proponent	Pre-Operation Phase	ECC; MOA
	D. The People						
	Socio-Economic	Generation of Employment Opportunities Stimulate local economy	Prioritize hiring of qualified local residents Comply to laws with regard to labor and employment Improve lifestyle and livelihood of local communities	Covered by Project Pre-Operation Cost Also covered by SDP	Proponent	Pre-Operation Phase	ECC; MOA



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
	Traffic Hazards	Increase in traffic congestion as well as increased risk of vehicular and vehicular related accidents	Strict enforcement of traffic rules and regulations Formulate and implement a traffic management program Use vehicle mufflers	Covered by Project Pre-Operation Cost	Proponent	Pre-Operation Phase	ECC; MOA
Operation Phase							
Road Construction, Maintenance	The Land						
	Geology and Terrain	Geologic hazards resulting from earthquakes, erosion and siltation	Conformance of building structure to seismic engineering design	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA



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Dredging/ Excavation Stockpiling Hauling and Barging	Terrestrial Flora and Fauna	Disturbance to flora and fauna due to coming in and out of vehicles and equipment	Introduce speed limits on entering and outgoing vehicles Use of Mufflers	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA
	The Air						
	Air Quality	Increase in TSP concentrations due to coming in and out of vehicles equipment Movement of people to and	Introduce speed limits on entering and outgoing vehicles Regulate vehicles and people entering to and from the barangay	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA



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		from the project site	Regularly wet ground surface with water especially during dry season				
	Noise Quality	Increase in noise generation due to coming in and out vehicles	<p>Introduce speed limits on access roads</p> <p>Regulate vehicles and people entering to and from Front Nine Construct and KKC Construction and Devt. Corporation project site and its vicinity</p> <p>Undertake proper maintenance of vehicles and equipment and use of mufflers</p>	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA
		Increase in ambient noise and air	Use noise enclosure.	Covered by Project	Proponent	Operation Phase	ECC; MOA



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
		pollutants due to operational activities		Operation Cost			
	The Water						
	Surface/Groundwater	Generation of sludge and other waste effluent	Implement wastewater treatment before discharge to public drainage system	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA
	The People						
	Socio-Economic	Generation of Employment Opportunities Stimulate local economy	Prioritize hiring of qualified local residents Comply to laws with regard to labor and employment Improve lifestyle and livelihood of local communities	Covered by Project Operation Cost Also covered by SDP	Proponent; LGUs	Operation Phase	ECC; MOA
		Increase commercial activities and source of income to small entrepreneurs		Covered by SDP	Proponent/ LGUs	Operation Phase	ECC; MOA



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		Contributes to national economy		Covered by SDP	Proponent	Operation Phase	ECC; MOA
		Additional revenue for the Municipality of Sta. Cruz, Occidental Mindoro		Covered by SDP and Project Operation Cost	Proponent/ LGUs	Operation Phase	ECC; MOA
	Health and Safety Risk	Geologic hazards resulting from earthquakes, erosion and siltation	Institute emergency response measures Train personnel on emergency response procedures Coordinate closely with local police units Provide adequate communication equipment, signage, etc.	Covered by Project Operational Cost	Proponent	Project Operation Phase	ECC; MOA



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
			<p>Establish emergency shutdown procedures and instructions on what to do in case of emergencies</p> <p>Conduct regular training on health and safety programs for personnel</p> <p>Require personnel to wear protective gear at all times</p>				
		Risks of Fires	<p>Install and properly maintain fire prevention system</p> <p>Make available 210 liter-drums of dispersants at fire station within the barangay.</p>		Proponent	Operation Phase	ECC; MOA



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
			<p>Prevent leakage of combustible materials/gases</p> <p>Establish emergency shutdown procedures and instructions on what to do in case of fires</p> <p>Develop additional materials like posters and signage to provide useful information to employees and emergency responders</p>				
	Traffic Hazards	Increase in traffic congestion as well as increased risk of vehicular and vehicular	<p>Strict enforcement of traffic rules and regulations</p> <p>Formulate and implement a traffic</p>			Operation Phase	ECC; MOA



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
		related accidents	management program Use vehicle mufflers				
		Increase traffic	Formulate management strategies for land/area transportation system management strategies that will relieve congestion and prevent bottlenecks Coordinate with local government units to facilitate smooth sailing of entering vehicles to the project site	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA



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	Waste Generation	Increase generation of solid and domestic wastes	<p>Conduct regular orientation/ training sessions for workers on sanitation</p> <p>Waste segregation/ reuse/recycling will be strictly implemented within the PROJECT building and its premises. The garbage will be collected by hired contractors or the municipality's garbage truck based on the agreed collection schedule and system.</p>	Covered by Project Operation Cost	Proponent	Operation Phase	ECC; MOA
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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
Abandonment Phase							
	The Land						
	General feature of the area	Alteration of geological features and visual quality	Conformance of building/land structure to the seismic engineering design Institute emergency response measures	Covered by Abandonment Cost	Proponent	Abandonment Phase	ECC; MOA
	The Air						
	Generation of dust particles and noise due to demolition of structures	Affect air quality and noise Increase in TSP concentrations due to coming in and out of demolition vehicles	Provision of water spraying activities in the vicinity of Front Nine Construct and KKC Construction and Devt. Corporation building and project areas Limit speed of motor vehicles	Covered by Abandonment Cost	Proponent	Abandonment Phase	ECC; MOA
	The Water						



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Project Activities	Environmental Component	Impact Description	Mitigation & Enhancement Measures	Cost of Mitigation & enhancement	Responsible Parties	Schedule	Guarantees and Contracts
	Generation of waste effluent	Affect water quality	Proper disposal of remaining sludge and effluent	Covered by Abandonment Cost	Proponent	Abandonment Phase	ECC; MOA
	The People						
	Socio-Economic	Termination of employees Unemployment	Fair compensation plan for employees Coordination with LGUs for possible employment of terminated employees	Covered by Abandonment Cost	Proponent	Abandonment Phase	ECC; MOA

Table 6-3. Summary Matrix of Proposed Social Development Plan/Framework

Concern & Program Components	Program Objectives	Responsible Community Member/ Beneficiaries	Government Agency/ Non- Government Agency and Services	Proponent	Time Frame	Source of Fund
Economic Assistance Program						
Priority Hiring for local residents	To identify a pool of qualified local workers for employment within the project	Qualified local residents	Government of Occidental Mindoro	HR Manager	Operation Phase	Project Operation Cost
Skills Training	Develop skills that will prepare the people in the coming employment opportunities	Selected local residents	Government of Occidental Mindoro	HR Manager	1 month before actual hiring Regular training scheduled twice a year thereafter	Project Opera
Livelihood Programs	To generate self-employment opportunities Enhancement of home-based industries and provision of self-employment opportunities	Selected number of local residents, women and out of school youths	Government of Occidental Mindoro	HR Manager	1-2 weeks annually during operation	Project Operation Cost
Educational Assistance Program						
Apprenticeship and on-the-job training	To provide work experience to college students and new graduates and prepare them for their chosen career paths	Selected and qualified college students and new college graduates	Government of Occidental Mindoro DSWD	Community Development Officer	Annually for about 5 to 10 new college graduates	Parts of Operation Cost

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			Dept. of Education TESDA			
Health Assistance Program						
Regular health monitoring of workers	To conduct yearly health examination to workers/employee	Workers/ Employees	Brgy. Health Unit Municipality Health Unit DOH	Pollution Control Officer	Annually	Project Operation Cost
Community Assistance Program						
Regular monitoring of existing source of water supply	To further check the level of applicable contaminants from existing groundwater and drainage systems	Workers/ Employees, Adjacent Residents	Brgy. Health Unit Municipality Health Unit DOH	Pollution Control Officer	Quarterly during operation	Project Operation Cost



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Table 6-4. Summary Matrix of Environmental Monitoring Plan

Parameters	Type of Samples	Number of Samples	Frequency	Approximate Cost
Operation Phase				
TDS	Surface water	four	Quarterly	P 8,000.00
BOD	Surface water	four	Quarterly	P 12,000.00
TSS	Surface water	four	Quarterly	P 8,000.00
Oil and Grease	Surface Water	four	Quarterly	P 4,000.00
Dissolved Oxygen	Surface water	four	Quarterly	P 2,000.00
pH	Surface water	four	Quarterly	P 2,000.00
TSP	Ambient air	four	Quarterly	P 12,000.00
Social/Economic	Employment/Income	random	Annually	P 60,000.00
	Employee Health Status	random	Twice a year	P 200,000.00
Totals				P 308,000.00



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Table 6-5. Information, Education and Communication Plan

Project Topic	Campaign Objectives	Target Audience	IEC Methods	Information Medium	Time Frame/ Frequency	Indicative Cost
Project operation	To inform the general public of the description of the project, its nature and benefits to be derived	Local residents DENR-EMB	Group Methods Multisectoral	Meetings with all concerned agencies and institutions	From project conceptualization up to implementation	PhP 25,000.00
EIA Results	To inform project stakeholders that the proponent complied with the all environmental requirements including securing the concerned permits and clearances The proponent has prepared environmental impact assessment studies	Local Residents DENR-EMB	Group Methods Multisectoral	Primers Brgy. Assembly	After securing ECC	PhP 25,000.00
Monitoring	To inform the public that: - objectives of the monitoring - the frequency of monitoring	Local Residents	Group Methods	Public meetings Primers Reports	All stages of project development	PhP 25,000.00
Employment	To inform project stakeholders/ general public of employment opportunities	Local residents	Group Methods Multisectoral	Brgy. Assembly Posters	Within project operation	PhP 25,000.00