



CERTIFICATION  
ECC-R4B-2211-0015  
(ECC Amendment)

This is to certify that the **PAGBAHAN RIVER DREDGING PROJECT** located at **Pagbahán River, Barangay Talabaan, Mamburao, Occidental Mindoro** under Environmental Compliance Certificate (**ECC-R4B-2211-0015**) issued to **PERRC CONSTRUCTION AND DEVELOPMENT CORPORATION**, represented by its President/CEO, **ROBERTO GERARD NAZAL, JR.** dated **29 NOVEMBER 2022**, is hereby amended as follows:

PROJECT DESCRIPTION					
This ECC covers the <b>River Dredging and Desilting</b> operation, which is specifically confined within the dredging zone of Pagbahán River as described below, located at <b>Pagbahán River, Barangay Talabaan, Mamburao, Occidental Mindoro</b> :					
A. <b>RIVER DREDGING ZONE (RDZ)</b> having an area of <b>402,000.00</b> square meters ( <b>40.2 hectares</b> ) and an <i>Extraction Rate</i> of <b>1,500,000 Cubic Meters per annum</b> .					
CORNER	LATITUDE	LONGITUDE	CORNER	LATITUDE	LONGITUDE
1	13°8'21.73"	120°42'00.24"	31	13°8'15.50"	120°41'06.99"
2	13°8'21.45"	120°41'57.85"	32	13°8'14.50"	120°41'05.95"
3	13°8'19.92"	120°41'55.50"	33	13°8'13.32"	120°41'04.92"
4	13°8'19.92"	120°41'53.47"	34	13°8'11.20"	120°41'04.25"
5	13°8'19.46"	120°41'52.18"	35	13°8'12.42"	120°41'03.07"
6	13°8'18.71"	120°41'51.02"	36	13°8'11.76"	120°41'01.18"
7	13°8'18.17"	120°41'49.13"	37	13°8'02.35"	120°41'03.44"
8	13°8'18.52"	120°41'48.33"	38	13°8'03.07"	120°41'06.02"
9	13°8'18.23"	120°41'47.74"	39	13°8'04.37"	120°41'07.11"
10	13°8'17.91"	120°41'47.46"	40	13°8'04.12"	120°41'08.56"
11	13°8'17.14"	120°41'43.56"	41	13°8'04.87"	120°41'11.18"
12	13°8'16.70"	120°41'40.95"	42	13°8'07.41"	120°41'13.34"
13	13°8'16.55"	120°41'39.62"	43	13°8'05.54"	120°41'14.53"
14	13°8'16.08"	120°41'39.01"	44	13°8'05.86"	120°41'15.72"
15	13°8'15.79"	120°41'37.00"	45	13°8'07.48"	120°41'16.10"
16	13°8'17.23"	120°41'32.07"	46	13°8'09.92"	120°41'18.97"
17	13°8'17.52"	120°41'30.12"	47	13°8'11.06"	120°41'22.04"
18	13°8'16.79"	120°41'29.46"	48	13°8'10.18"	120°41'24.68"
19	13°8'17.77"	120°41'28.77"	49	13°8'10.25"	120°41'29.96"
20	13°8'18.50"	120°41'24.91"	50	13°8'10.69"	120°41'33.70"
21	13°8'19.33"	120°41'20.26"	51	13°8'10.46"	120°41'35.74"
22	13°8'19.70"	120°41'17.97"	52	13°8'10.55"	120°41'37.05"
23	13°8'18.01"	120°41'17.03"	53	13°8'10.00"	120°41'37.83"
24	13°8'15.37"	120°41'16.93"	54	13°8'10.27"	120°41'39.10"
25	13°8'16.53"	120°41'13.97"	55	13°8'09.91"	120°41'39.76"
26	13°8'16.03"	120°41'12.00"	56	13°8'11.82"	120°41'44.26"

27	13°8'17.06"	120°41'11.09"	57	13°8'12.16"	120°41'44.26"
28	13°8'16.12"	120°41'09.32"	58	13°8'12.36"	120°41'48.10"
29	13°8'17.52"	120°41'08.21"	59	13°8'13.28"	120°41'57.04"
30	13°8'17.36"	120°41'07.56"	60	13°8'16.54"	120°42'03.14"

**B. NAVIGATIONAL SHORELINE DREDGING ZONE** having an area of **31.43 hectares** and a total volume of sand to be extracted of **13,000 m³** per day with a limited Extraction Rate of **1,375,872 m³** for **One Hundred Six (106) days**. The area is specifically described as follows:

CORNER	LATITUDE	LONGITUDE	CORNER	LATITUDE	LONGITUDE
1	120°41'1.72"	13°8'9.2"	11	120°40'43.1"	13°7'54.63"
2	120°41'2.66"	13°8'4.77"	12	120°40'42.58"	13°7'54.31"
3	120°40'58.1"	13°7'51.25"	13	120°40'41.92"	13°7'53.78"
4	120°40'47.02"	13°7'41.29"	14	120°40'40.68"	13°7'52.98"
5	120°40'44.35"	13°7'53.35"	15	120°40'38.53"	13°7'51.93"
6	120°40'45.43"	13°7'54.65"	16	120°40'37.17"	13°7'51.89"
7	120°40'45.66"	13°7'55.65"	17	120°40'36.57"	13°7'52.41"
8	120°40'45.04"	13°7'55.52"	18	120°40'35.83"	13°7'54.87"
9	120°40'44.62"	13°7'55.37"	19	120°40'34.45"	13°7'55.69"
10	120°40'43.73"	13°7'54.63"	20	120°40'34.08"	13°7'56.1"

**Project components /facilities enumerated to wit:**

PROJECT COMPONENTS	DESCRIPTION
<b>River Dredging Zone (RDZ)</b>	
Dredging Vessel	<i>Cutter-Suction Dredger (CSD) contains a ladder with a cutter and a dredging capacity of 6,000 m³/day.</i>
Mother Vessel	<i>35,000 m³ capacity. Will be anchored approximately 3 to 5 km offshore and carry the loaded silt and sand and bring them to the designated buyers’ location/port.</i>
Hauling Barge	<i>3,000 m³ capacity. Transport the dredged materials from the wharf to the mother vessel.</i>
Land-based equipment	<i>Fifteen (15) units of 20 Tonner Dump trucks, Four (4) units of 1.0 m³ hydraulic excavators, and One (1) unit of a 3 m³ payloader, service vehicle.</i>
Stockpile Area	<i>Located near the coast, north of the river mouth, and west of the cemetery.</i>  <i>Three (3) stockpile areas each with an area of 3,600 m² (90 m X 40 m) for a total of 10,800 m² and a volume capacity of 12,600 m³ for a total of 37,800 m³ of dredged materials.</i>
Other support facilities and equipment	<i>Field office, bunk house with oil and lubricants storage room, equipment staging area, canteen, restroom.</i>  <i>Generator set (50 kVa), welding machine, pressure washer, pump.</i>
Pollution Control Devices	<i>Silt curtains</i>
<b>Navigational Shoreline Dredging Zone</b>	
Dredging Vessel	<i>Cutter-Suction Dredger (CSD), Floating and/or Split Hopper Barges, Sand Carrier Vessel</i>
Support Equipment (Land base equipment)	<i>Excavators (in backhoe mode with 1.0 m3 bucket), Dozer-Loaders, and 20-Tonner Dump Trucks</i>

The project shall operate and maintain its components and support facilities as contained in the approved **Environmental Impact Statement (EIS)** and **Environmental Management Plan**


(EMP); and in the additional submitted **Environmental Impact Assessment** and **EMP** for the navigational shoreline area.

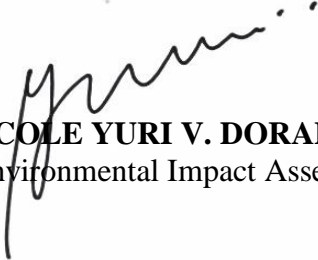
This certification shall form part of the ECC issued for the project, and further add the following conditions and restrictions:

37. All conditions outlined in the issued ECC as applicable shall be applied in the operation of the Navigational Shoreline Dredging Area as described in item B of the project description;
38. Station markers (i.e., buoys, floaters, anchorages, etc.) of the delineated extraction boundaries of both identified offshore dredging areas shall be established;
39. Silt curtains shall be appropriately and strictly established/installed to enclose the siltation within the dredging vicinity and ensure the minimization of the foreseen negative effects of the project operation.
40. No other activities should be undertaken other than what was described/stipulated in the submitted additional EIA study for the navigational offshore area, specifically described in item B of the project description.
41. The extraction limit intended for the Navigational Shoreline Area shall **NOT** exceed **13,000 m<sup>3</sup> per day** and shall not be more than **One Hundred Six (106) days** from the start of project operation as determined in the additional EIA study; and
42. A uniform extraction depth shall be maintained at any given time on the navigational shoreline area as determined in the **Cross-Sectional Bathymetric Profile**.

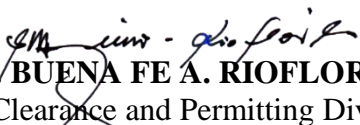
Given this **29 March 2023** at 6<sup>th</sup> Floor, DENR by the Bay Bldg., 1515, Roxas Blvd., Ermita, Manila.

Reviewed by:

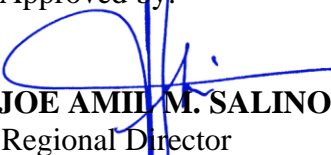
  
**ENGR. JOSE REYNATO M. MORENTE**  
Environmental Impact Assessment Review  
Committee Chairperson

  
**EnP. NICOLE YURI V. DORADO**  
Chief, Environmental Impact Assessment Section

Recommended by:

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

Approved by:

  
**JOE AMIL M. SALINO**  
Regional Director