

ITEM 04 : SAFETY SIGNAGES AND BARRICADES

DESCRIPTION

This work includes the furnishing and installing of safety signages and barricades in accordance with the specifications and to the details shown below in the drawings, or as directed by the Engineer.

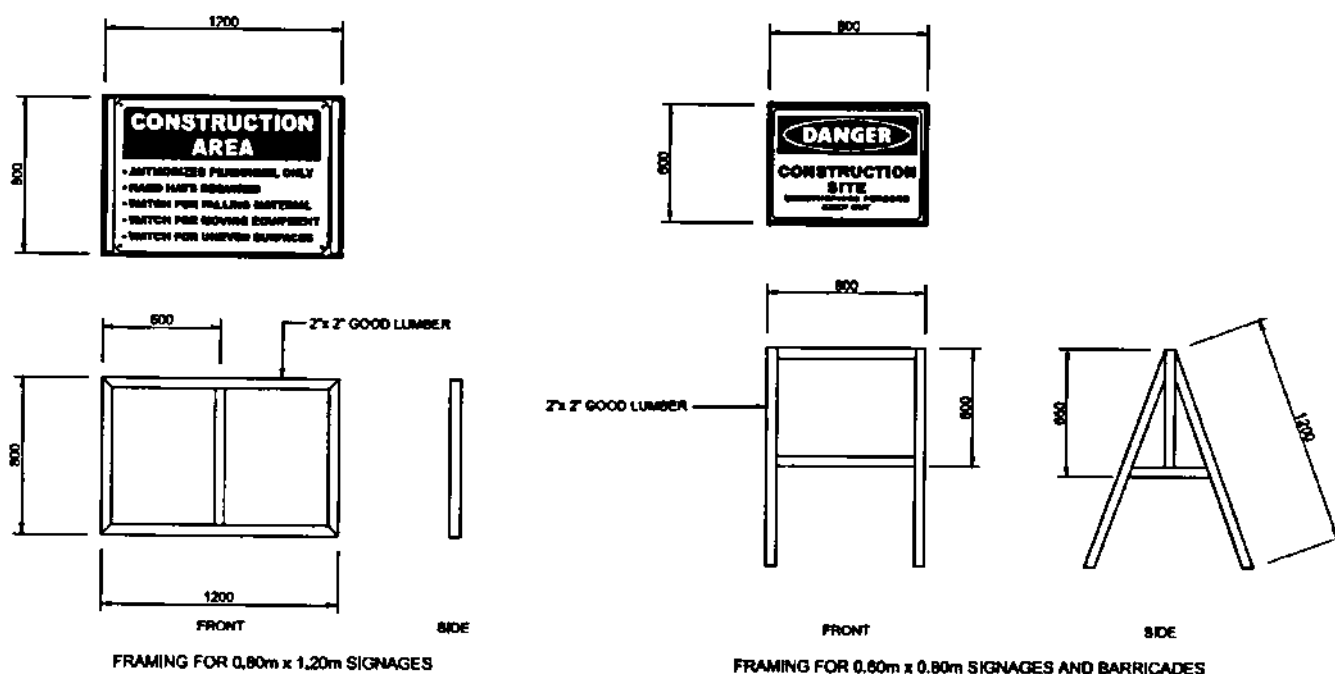
SPECIFICATION

The Signage's and Barricades shall be installed at location(s) designated by the Engineer.

The sizes of the standard signages shall be 2-2/3ft x 4ft (800mm X 1,200mm) for fixed type and 2ft x 2-2/3ft (600mm x 800mm) for mobile type. For barricade standard 2ft x 2-2/3ft (600mm x 800mm) shall be provided.

The materials to be used for signages and barricades are ½ inch (12mm) marine plywood or tarpaulin poster on 2" x 2" (50mm x 50mm) good lumber frame (see drawing below).

The printing or painting shall be the discretion of the Engineer.



STANDARD PLAN FOR SIGNAGES AND BARRICADES

ITEM 05 : MOORING AND FENDERING SYSTEM

SCOPE OF WORK

1. The work includes furnishing of all labor, materials and equipment to complete the installation of mooring bollards and fenders in piers/wharves.
2. The work shall include the supply, transport, handling, storage and installation of fenders systems in the newly constructed piers.
3. The Contractor shall furnish and install the necessary fittings as shown on the drawings and/or specified.

Supplementary parts necessary to complete and install each item of works shall be included whether or not shown or specified. The Contractor shall furnish to relevant trades all anchors, fastenings, inserts, fittings, fixtures or the like to be installed on or required for securing the works.

The Contractor shall submit shop drawings of all fitting works prior to placing orders and commencement of any fabrication.

MATERIAL REQUIREMENTS

MOORING SYSTEM

Designated load capacity of mooring bollards shall be as shown in the drawings, and shall be referred to as the maximum load capacity. The mooring bollards shall be at rupture stage upon reaching the maximum load capacity.

Mooring bollards shall be of the dimensions, weights, capacities and designs as shown in the drawings and shall be fabricated by approved manufacturer with cast steel conforming to the requirements indicated in the plan/drawings, or approved equivalent.

The size of the bolts, nuts and washers shall be in accordance with the specifications provided in the plans/drawings. The anchor plate shall be connected to the holding down bolt as shown in the plans/drawings. All bolts, nuts, washers etc., that are exposed shall be hot-dip galvanized.

Samples of the bolts, nuts, washers and anchor plates shall be submitted to the Engineer for approval before being used in the Works.

The upper part of bollards and base plates which are not embedded in concrete shall be painted. The surface of bollards shall be cleaned thoroughly by wire brush or other means prior to painting to remove rust or any other contamination which may interfere with bond of paint to metal.

The exposed surface shall be coated with rust proof paint and finishing paint, which shall be coal-tar epoxy of 120m micron thickness in accordance with JIS K5623 or the approved standard.

Base Steel:

Chemical composition and mechanical properties of base metal to be used for fabrication of mooring bollard and its accessories shall comply with ASTM A36 and other required standard stated therein.

Concrete Foundation:

Concrete foundation for mooring bollards shall conform to the requirements of the Section concerning "Reinforced Concrete".

Visual Inspection:

All mooring bollards delivered to Site shall be inspected by the Engineer for any signs of flaws or defect inimical to usage.

Mill Test Certificates:

Two (2) copies of mill test reports shall be submitted certifying that materials meet the specified standards.

Test Inspection:

Inspection of all materials and methods of fabrication shall be carried out by the Contractor. However, the Engineer reserves the right to inspect all facilities at any time during the manufacture to ensure that the materials and workmanship are in accordance with Specifications and the best of workmanship.

FENDER SYSTEM

The rubber fenders should comply with the performance requirements specified in the table provided on the plan/drawings of Rubber Dock Fenders (RDF).

PHYSICAL PROPERTIES OF MATERIALS

The rubber for the fenders shall be of high quality natural rubber, synthetic rubber or mixed rubber blended with carbon black used in the rubber industry and shall have sufficient resilience and anti-ageing, weathering, abrasion, wear and oil resistant properties. The rubber dock fenders shall be free from bubbles, cracks and other harmful defects.

The physical properties of the rubber compound used for the fenders shall comply with the following requirements:

Physical Properties and Test Method

		Test Item	Properties	Test Method	
Physical Test	Before Aging	Tensile Strength	160kg/sq.m minimum	Test piece: Dumbell No. 3	ASTMD412
		Elongation	350% minimum		ASTM D1456
		Hardness	76Hs maximum	Spring Type hardness test (Type A)	ASTM 02240
	After Aging	Tensile Strength	Not less than 80% of original value	Aging by air heating: 70±1°C x 96 hours.	ASTMD412
		Elongation			ASTM D1456
		Hardness	Not more than original value+8°		ASTM D2240
	Compression Test		30%maximum	Heat treatment 70±1°C x 22 hours.	ASTM D395

Note: Equivalent Standards are acceptable.

FITTINGS AND ANCHORAGE

Anchor bolts and connecting hardware shall be fabricated using type of steel specified and to the required shapes and sizes shown on the approved plan/drawings.

TESTING, SAMPLING, INSPECTION, ACCEPTANCE, MARKING AND PACKAGING

Testing

All rubber dock fenders shall be tested for performance. It shall pass the required energy absorption and reaction force at a certain deflection as indicated in the plan.

The Contractor shall be required to submit test certificates showing compliance to the above requirements. The test certificates shall be certified by an independent testing institute / organization recognized by the Authority

The standard performance testing methodology shall be Method B, to wit:

1. Fender temperature shall be stabilized at 23 degrees plus or minus 5 degrees centigrade for at least 24 hours before compression testing.
2. Break-in of lender by deflecting 3 times to rated deflection.
3. Removed load from the RDF and allow recovering for a minimum of 1 hour.
4. Deflect RDF at speed of 2-8 cm/min once to rated deflection.

The testing apparatus shall be calibrated and certified within plus or minus 1% in accordance with ISO or equivalent JIS or ASTM requirements. Calibration shall be traceable to a national/international standard and shall be performed annually by an accredited third party organization. The RDF performance testing center shall be subjected to accreditation by PPA and notation and /or certification by DPWH-BRS prior to acceptance.

Inspection

All lenders of each type shall be inspected for compliance to specified dimensions and all fenders shall be inspected by the Engineer for any sign of flaw or defect inimical to its use.

All anchor bolts and fillings shall be inspected. The material used for the fabrication of bolts and fillings shall be covered by the manufacturer's certified mill certificate and shall be verified by the Authority.

All RDF items/units shall be clearly numbered and marked indicated the following:

Acceptance Tolerance

The acceptance tolerance shall be based on the following:

1. Fender Dimension

Length	:	-2% to +4%
Width	:	-2% to +4%
Height	:	-2% to +4%
Thickness	:	-2% to +8%

2. Anchor Bolt Holes in Fender

Diameter of the Hole	:	+2.0mm
Pitch of the Hole	:	+4.0mm

3. Acceptance tolerance for all fenders supplied shall be as follows:

E = Energy absorption, $E \geq \text{Specified } E \text{ but not less than } 10\% \text{ of the specified } E$

R = Reaction force,

$R \leq$ Specified R but not more than
10% of the specified R

Marking

All fender units shall be clearly numbered and marked. Each fender shall have the following markings.

1. Fender type and manufacturer's name or trade mark
2. Production serial number
3. Date of manufacture or ns abbreviation
4. Main dimensions
5. Project identification as follows:

Name of Port/Project: _____

Year supplied _____

Packaging

The fenders shall be packaged on wooden crate or wrapped individually with Polypropylene sheets except when shipped containerized. The bolts and fittings should be placed in crates and suitably treated for protection when transported by sea and stored in port areas.

EXECUTION

MOORING/ FENDERING SYSTEM

All units shall be installed at the locations shown on the drawings and as directed by the Engineer.

SECTION VII

DRAWINGS
(APPROVED PLANS)

SECTION VII

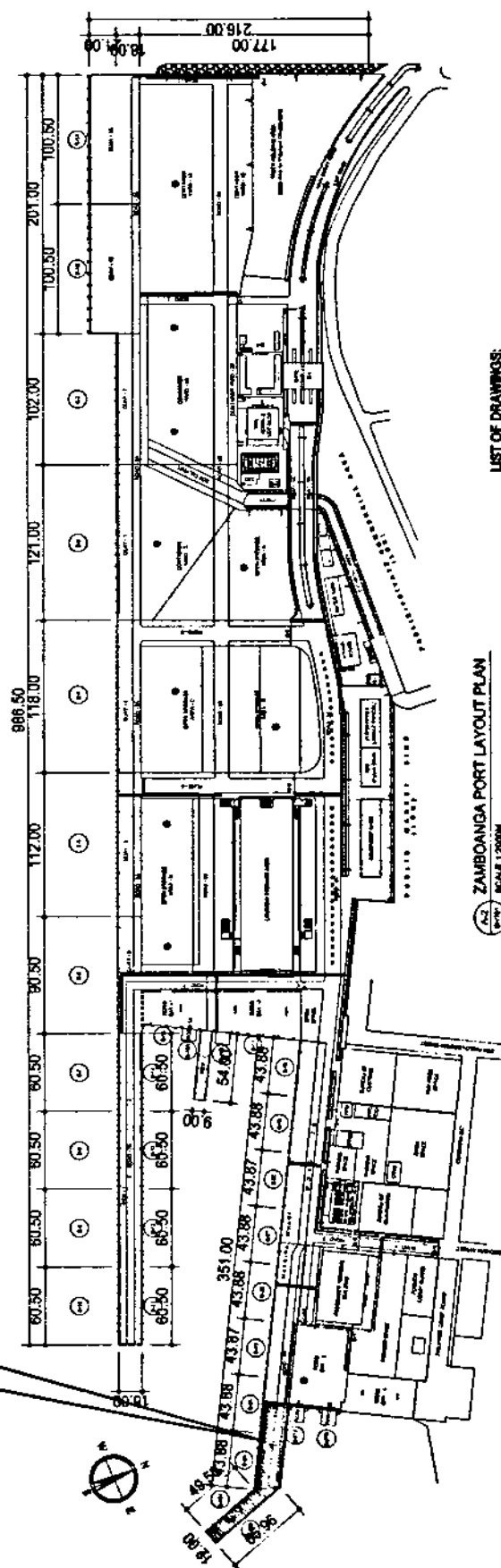
DRAWINGS AND APPROVED PLANS (SEE ISSUED APPROVED PLANS)

Name of Project: REHABILITATION OF RUBBER DOCK FENDER (RDF) AND
MOORING SYSTEM, PIER 3
Location: Port of Zamboanga, Zamboanga City

LIST OF DRAWINGS:

- 01 of 07 - Vicinity Map, Zamboanga Port Layout Plan, List of Drawings
- 02 of 07 - General Plan of Pier - 3, Scope of Work Pier - 3 (Ferry Pier)
- 03 of 07 - Typical offshore Elevation at Grid 1 - 5, Section "A-A" (12.00 Meters), Section "B-B" (20.00 Meters), Single Cylindrical Rubber Dock Fender, Detail of Anchor Bolt, Cross-Section (Concrete Curb)
- 04 of 07 - Typical offshore Elevation at Grid 10 - 19, Detail of Rubber Dock Fender (V-400Hx2000L & V-400Hx1000L), Detail "A", Detail of Anchor Bolt (Normal)
- 05 of 07 - Detail of Fender Block (Grid 6-19), Detail of Fender Block (Grid 20-27), Existing Bar Cutting List Schedule
- 06 of 07 - MB2-Mooring Block Detail for Grid 1, 3, 5, 33, 34, 35 & 36
- 07 of 07 - Typical Detail & Technical Specifications of 50T Mooring Bollard



**REHABILITATION RUBBER DOCK FENDER (RDF) AND
MOORING SYSTEM AT PIER 3, PORT OF ZAMBOANGA,
ZAMBOANGA CITY**

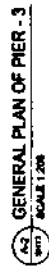


ZAMBOANGA PORT LAYOUT PLAN

LIST OF DRAWINGS:

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|--------------|---|
| SHEET 1 OF 7 | WOMITY WAP, ZIMBABWE PORT LAYOUT PLAN LIST OF CHANGES |
| SHEET 2 OF 7 | GENERAL PLAN OF PIER - 3, SCOPE OF WORK PER - 3 (PIERS PER) |
| SHEET 3 OF 7 | DETAIL OF PIERS ELEVATION AT GRID 1 & 5, SECTION A-A (120 METERS SECTION
TYP. (20.0 METERS), SINGLE CONCRETE, RUBBER DOOR FENDER, DETAIL OF ANCHOR
BOLT, CROSS-SECTION (CONCRETE CURB) |
| SHEET 4 OF 7 | TYPICAL OFFSHORE ELEVATION AT GRID 10 - 18, DETAIL OF RUBBER DOOR FENDER
(4-600-1000, 4 & 600-1000), DETAIL "A", DETAIL OF ANCHOR BOLT (NORMAL) |
| SHEET 5 OF 7 | DETAIL OF PIERS BLOCK (GRID 8 & 16), DETAIL OF FENDER BLOCK (GRID 20-27), EXISTING
BANK CUTTING LIST, BORNEADE |
| SHEET 6 OF 7 | WAP-MOORING BLOCK DETAIL FOR GRID 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 76 |

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NO.		DATE		DESCRIPTION		DESIGNATION		SIGNATURE											
1		04/04/2024		TO PREPARE THE PROJECT PLAN, LIST OF DRAINAGES		MARANAN, N.M.													
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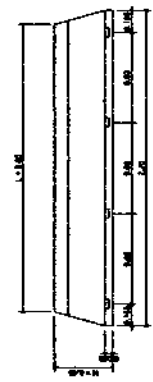
RUBBER DOCK FENDER/CYLINDRICAL FENDER, CONCRETE CURB AND CONCRETE FENDER BLOCK

- 
- PHILIPPINE
PORTS
AUTHORITY**
PMO-ZAMBOANGA
APRIL 2024

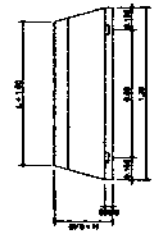
REVISIONS		FOUR IN THE					REGISTRATION OF AIRCRAFT DOOR REQUEST (PART) AND DISCERNED AIRTIME	
NO	DATE	DESCRIPTION	NAME	DESCRIPTION	STATUS	DATE		
			MARSHALL, H. L.	DISAPPEARANCE AT 15:30	SEARCHED			
			PREPARED BY					
			CHECKED BY					

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FEDERAL PLAN OF PIER- & BUCKING OF WORK PER. 1 (FERRY) PER.	APPROVED BY:	DATE REC'D	REC'D NO.	AS SHOWN	PAGE SCALE
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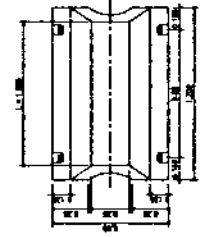
TYPICAL ELEVATION



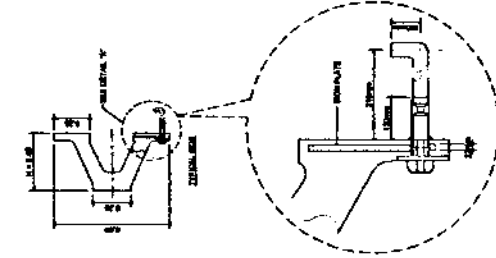
TYPICAL ELEVATION



PLAN

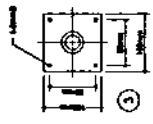


PLAN

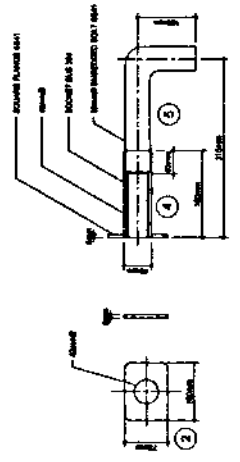


DETAIL OF RUBBER DOCK FENDER (V-400Hx2000L & V-400Hx1000L)

A-2 SCALE 1:20



FIXING BOLT (SS 41)
(Zn COATING)



WASHER BOLT (SS 41)
(Zn COATING)

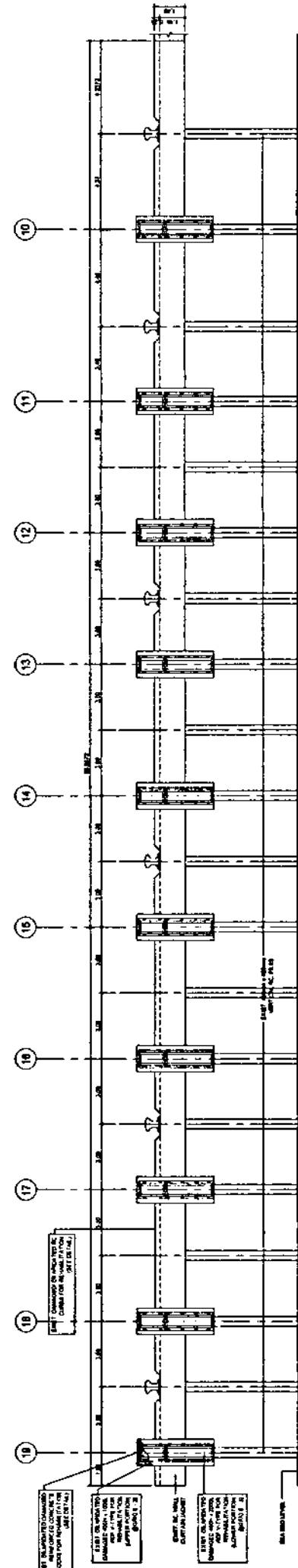
DETAIL OF ANCHOR BOLT (NORMAL)

A-3 SCALE 1:10



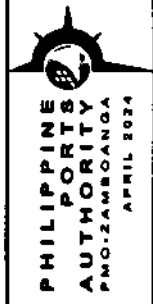
PERFORMANCE CHARACTERISTIC RUBBER DOCK FENDER (ROF)				
AT RATED DEFLECTION OF FENDER (45%)				
FENDER TYPE/SIZE (L)	REACTION FORCE (T/L)	ENERGY ABSORPTION (J/m/L)	HULL PRESSURE (T/m ²)	
V-400Hx1000L	30.00 (mm)	4.00 (mm)	95.00	
V-400Hx2000L	60.00 (mm)	8.00 (mm)	95.00	

MATERIALS SPECIFICATION FOR V-TYPE 500H ANCHOR			
NO.	PART	MATERIAL	SPECIFICATION
1	FIXING BOLT	ROLLED STEEL	AS G3101
2	WASHER	ROLLED STEEL	AS G3101
3	SQUARE FLANGE	ROLLED STEEL	AS G3101
4	ANCHOR PLUG	STAINLESS STEEL	AS G4303 & G4315
5	ANCHOR WOOD	ROLLED STEEL	AS G3101

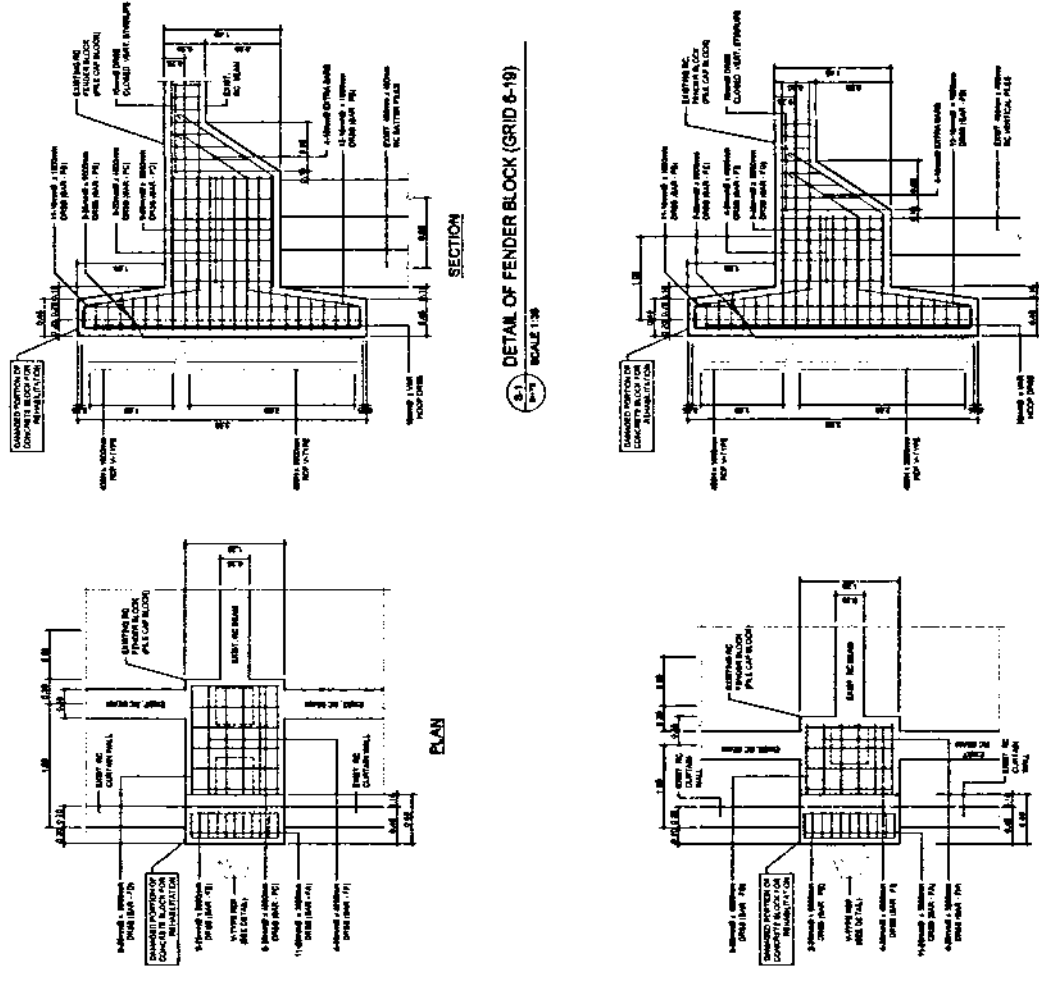
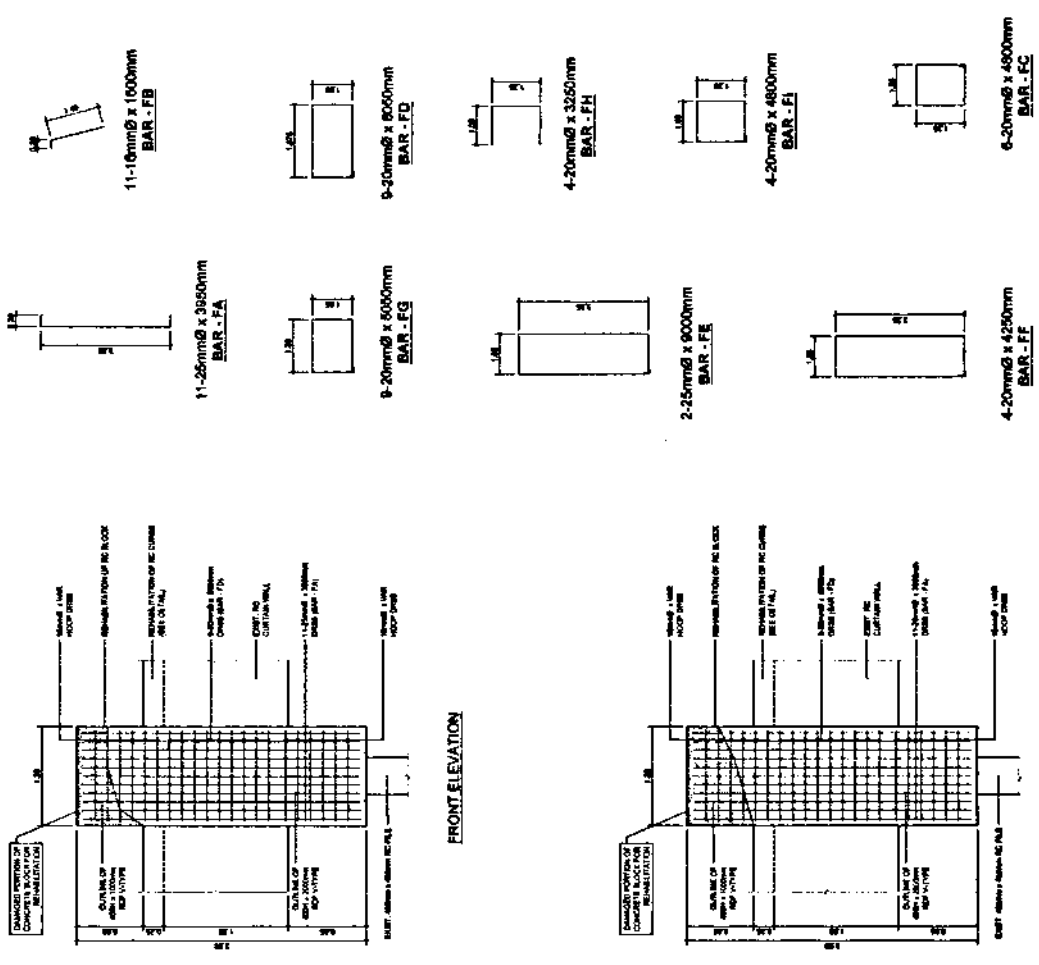


TYPICAL OFFSHORE ELEVATION AT GRID 10 - 19

A-4 SCALE 1:100



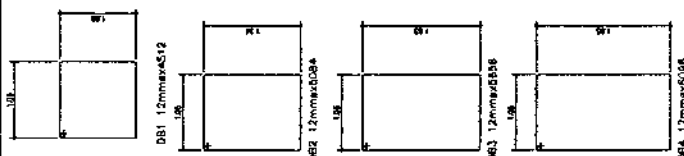
REVISION				PROJECT TITLE				PROJECT LOCATION				SHEET CONTENT			
NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY	NAME	DESIGNATION	SIGNATURE	CHECKED BY	NAME	DESIGNATION	SIGNATURE	RECOMMENDED BY	NAME	DESIGNATION	SIGNATURE
1		BY THE ENGINEER	DESIGNED BY	CHECKED BY	NAME	DESIGNATION	SIGNATURE	CHECKED BY	NAME	DESIGNATION	SIGNATURE	RECOMMENDED BY	NAME	DESIGNATION	SIGNATURE
		BY THE ENGINEER	DESIGNED BY	CHECKED BY	NAME	DESIGNATION	SIGNATURE	CHECKED BY	NAME	DESIGNATION	SIGNATURE	RECOMMENDED BY	NAME	DESIGNATION	SIGNATURE



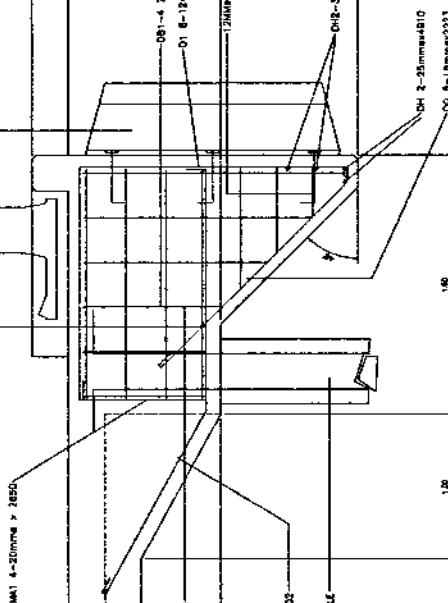
EXISTING BAR CUTTING LIST SCHEDULE
SCALE 1:10

DETAIL OF FENDER BLOCK (GRID 20-27)
SCALE 1:30


PROJECT TITLE				PROJECT LOCATION				PROJECT CODE			
PHILIPPINE PORTS AUTHORITY PMO-ZAMBANGA APRIL 2024				PORT 3, PORT OF ZAMBANGA, ZAMBANGA CITY				DETAIL OF FENDER BLOCK (GRID 20-27) EXISTING BAR CUTTING LIST SCHEDULE			
NO.	DATE	DESCRIPTION	REVISION	NAME	DESIGNATION	REVISION	DATE	NO.	DATE	DESCRIPTION	REVISION
1				YABMA H. JESU-MAHIL	ARCHITECT			1			
2				YABMA H. JESU-MAHIL	ARCHITECT			2			
3				YABMA H. JESU-MAHIL	ARCHITECT			3			
4				YABMA H. JESU-MAHIL	ARCHITECT			4			
5				YABMA H. JESU-MAHIL	ARCHITECT			5			
6				YABMA H. JESU-MAHIL	ARCHITECT			6			
7				YABMA H. JESU-MAHIL	ARCHITECT			7			
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5-2
DATE
SCALE 1:40

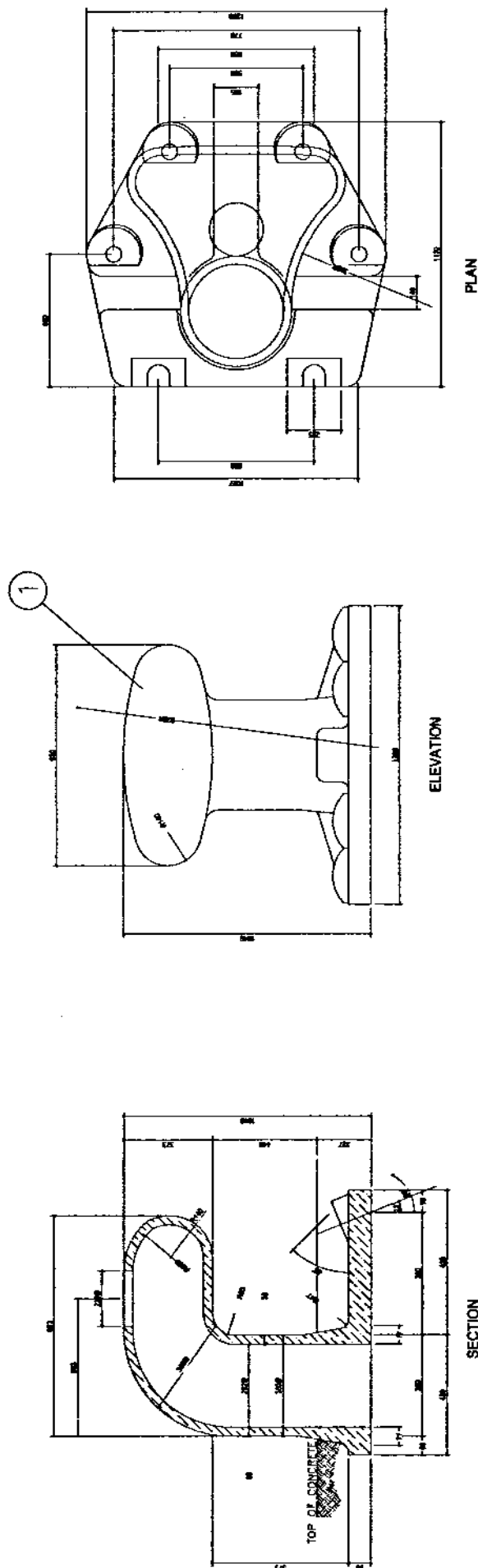
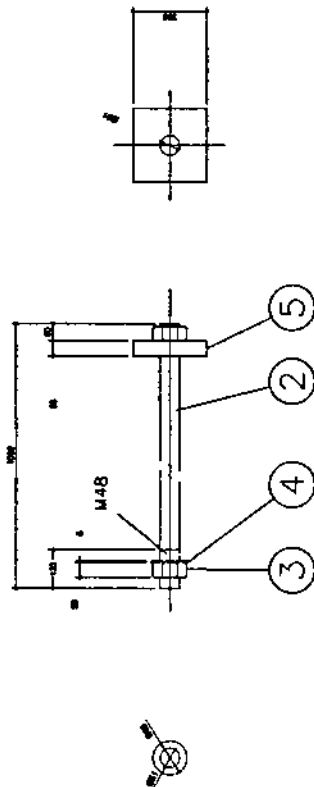


LONGITUDINAL SECTION



**PHILIPPINE
PORTS
AUTHORITY**
PMO-ZAMBANGA
APRIL 2024


MATERIALS AND WEIGHT						
NO.	DESCRIPTION	MATERIALS AND SPECIFICATION	ALLOW. PRESS. (KSI/CM 33)	QTY.	WEIGHT EACH (K.G)	WT. TOTAL (K.G)
1	BODY	JIS G 5101 3 GRADE SC 46	1,400	1	66.3	66.3
2	ANCHOR BOLT	JIS G 3101 2 GRADE SS41 JIS B 0205 M 48-5	1,400	6	14	84
3	HEXAGON NUTS	JIS B 1181 1 GRADE 4T M18-5	-	12	-	-
4	PLAIN WASHER	JIS B 1256 ROUND STEEL	-	6	-	-
5	ANCHOR RING	JIS G 3101 2 GRADE SS41 OR JIS G 5101 3 GRADE SC46	1,400	6	12	72



5.1 TYPICAL DETAIL & TECHNICAL SPECIFICATIONS OF 50T MOORING BOLLARD



PHILIPPINE
PORTS
AUTHORITY
PMO-ZAMBOANGA
APRIL 2024

<div><div>PHILIPPINE PORTS AUTHORITY PMO-ZAMBOANGA APRIL 2024</div></div>										PROJECT NO.		PROJECT TITLE		PROJECT LOCATION		SHEET CONTENT		NO. OF SHEET AS SHOWN	
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION		REVISION		NO.									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
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1		04/05/2024		REPAIR/REPLACEMENT OF DAMAGED DOOR (DOOR) AND LOCKING MECHANISM		1		1		1									
NO.		DATE		DESCRIPTION		REVISION													

SECTION VIII

***BILL OF QUANTITIES
and
ATTACHMENTS***

BID SUMMARY

REHABILITATION OF RUBBER DOCK FENDER (RDF) AND MOORING SYSTEM, PIER 3
PORT OF ZAMBOANGA, ZAMBOANGA CITY

NO. (1)	DESCRIPTION OF WORK (2)	AMOUNT (Pesos)
BILL NO.	1 GENERAL EXPENSES	
BILL NO.	2 REHABILITATION OF RUBBER DOCK FENDER (RDF) AND MOORING SYSTEM	
BID PRICE		

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

BILL OF QUANTITIES

**REHABILITATION OF RUBBER DOCK FENDER (RDF) AND MOORING SYSTEM AT PIER 3,
PORT OF ZAMBOANGA, ZAMBOANGA CITY**

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 1	GENERAL EXPENSES				
1.01	Mobilization, demobilization and cleaning	lot	1.00		
1.02	Rental of temporary site office and residence for the Engineer and Staff	month	5.00		
1.03	Maintain Temporary site of office and Residence for Engineer and Staff	month	5.00		
1.04	Provide Construction Safety and Health Program in the Execution of the project.	month	5.00		
1.05	Provision of Project Billboard	set	2.00		
TOTAL FOR BILL NO. 1					

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

BILL OF QUANTITIES

REHABILITATION OF RUBBER DOCK FENDER (RDF) AND MOORING SYSTEM AT PIER 3
PORT OF ZAMBOANGA, ZAMBOANGA CITY

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	2 REHABILITATION OF RUBBER DOCK FENDER (RDF) AND MOORING SYSTEM				
2.01	Removal of Damaged Rubber Dock Fender (RDF)	set	60.00		
2.02	Demolition and Disposal Works	cu.m.	65.85		
2.03	Supply & Installation of Reinforcement Steel Bars	kg.	3,777.49		
2.04	Supply & Placement of Concrete (4,000 psi)	cu.m.	65.85		
2.05	Supply & Deliver Rubber Dock Fenders (RDF)	set	60.00		
2.06	Installation of Rubber Dock Fenders (RDF)	set	60.00		
2.07	Supply and Deliver 50-Tons Mooring Bollard (Tee-Head)	set	8.00		
2.08	Installation of Set-in Place 50- Tons Mooring Bollard (Tee-Head)	set	8.00		
TOTAL FOR BILL NO. 2					

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

The work items included in the proposal and the basis of payments are as follows:

BILL NO. 1

GENERAL EXPENSES

Item 1.01 Mobilization, Demobilization and Cleaning

The quantity to be paid for shall be the minimum equipment requirement enumerated in the bid documents mobilized, demobilized and cleaning of the site and accepted by the Engineer. The contract lump sum price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to mobilize and demobilize all the minimum equipment requirement enumerated in the bid documents including cleaning of the site. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization and cleaning.

Item 1.02 Rental of temporary site office and residence for the Engineer and staff

The quantity to be paid for shall be the actual rental of site office and residence for the engineer and staff and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary for the provision of temporary site office and residence for the engineer and staff.

Item 1.03 Maintain temporary site office and residence for the Engineer and staff.

The quantity to be paid for shall be the actual services rendered in maintaining the site office and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the maintenance of the temporary site office and residence as well as other expenses such as provision for electric power, telephone bill, potable water supply, janitorial and security services.

Item 1.04 Provide construction safety and Health Program in the execution of the project

The quantity to be paid for shall be the actual implementation of construction safety and health program and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the implementation of the Construction Safety and Health Program, as required and approved by the Department of Labor and Employment (DOLE).

Item 1.05 Provision of Project Billboard

The item calls for the Project Billboard / Sign Board – 2 sets as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of labor and materials, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

BILL NO. 2

REHABILITATION OF RUBBER DOCK FENDER (RDF) AND MOORING SYSTEM

Item 2.01 Removal of Damaged Rubber Dock Fender (RDF)

The item calls for the Removal of Damaged Rubber Dock Fender – 60.00 sets as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.02 Demolition and Chipping Works

The item calls for the Demolition and Chipping Works – 65.85 cu.m as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.03 Supply & Installation of Reinforcement Steel Bars

The item calls for the Supply & Installation of Reinforcement Steel Bars (Deformed Grade 40) – 3,777.49 kgs as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.04 Supply & Placement of Concrete (4,000 psi)

The item calls for the Supply & Placement of Concrete (4,000 psi) – 65.85 cu.m as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.05 Supply & Deliver Rubber Dock Fenders (RDF)

The item calls for the Supply & Deliver Rubber Dock Fenders (RDF) – 60.00 sets as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project

Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.06 Installation of Rubber Dock Fenders (RDF)

The item calls for the Installation of Rubber Dock Fenders (RDF) – 60.00 sets as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.07 Supply & Deliver 50-Tons Mooring Bollard (Tee-Head)

The item calls for the Supply & Deliver 50-Tons Mooring Bollard (Tee Head) – 8.00 sets as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

Item 2.08 Installation of Set-in Place 50-Tons Mooring Bollard (Tee-Head)

The item calls for the Installation of Set-in Place 50 Tons Mooring Bollard (Tee-Head) – 8.00 sets as shown in the plan and as inspected by the contractor representative or as assigned and provided by the Authority and/or its duly authorized representative/Project Manager/Project Engineer. The basis of payment shall include the cost of mobilization/demobilization, labor, materials, equipment, and all attendant works needed thereto to include the quantity and quality in the execution of the item according to plan and specification. Should diversion of the same occur, the same shall have the approval of the Authority subject to the existing rules and regulations governing the same.

FACILITIES TO BE PROVIDED FOR THE ENGINEER & HIS STAFF

RENTAL OF SITE OFFICE AND RESIDENCE FOR THE ENGINEER & STAFF

The Contractor shall provide a temporary site office and residence (rental) with an area of at least 48 square meters for use of the Engineer and his staff for the whole duration of the project.

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

1	unit/s	Dump Truck (10 cu.m), owned/leased
1	unit/s	Payloader (1.50 cu.m.), owned/leased
1	unit/s	Backhoe (0.80 cu.m. capacity), owned/leased
1	unit/s	Water Truck (1000 Liters capacity), owned/leased
1	unit/s	Boom Truck (9 Tons capacity), owned/leased
1	unit/s	Concrete Mixer (One Bagger), owned/leased
1	unit/s	Air Compressor (356 cfm), owned/leased
1	unit/s	Jackhammer, owned/leased
1	unit/s	Oxy-acetylene cutting outfit, owned/leased
1	unit/s	Bar Bender (electric, 25mmØ max) owned/leased
1	unit/s	Bar Cutter (electric, 25mmØ max) owned/leased
1	unit/s	Concrete Vibrator, owned/leased

CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements:

A. LABOR

5	mo.	1 Safety Officer
5	mo.	1 Nurse/Health Officer

B. EQUIPMENT / MATERIALS

Personnel Protective Equipment

24	pcs.	Hard Hats
24	pcs.	Rubber Boots Men w/ Long Steel Toe
48	pcs.	Gloves
4	pcs.	Goggle
2	pcs.	Aprons
4	pcs.	Safety Belts
24	pcs.	Safety Shoes
4	pcs.	Lifelines

Safety Devices

1	lot	Barricades
1	lot	Warning signs
2	units	Fire extinguisher

Medical and First Aid System	-	5 mo.
Temporary shelter for workers	-	1 lot

NOTE:

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.

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**REVISED SCHEDULE OF MINIMUM TEST REQUIREMENTS OF
CONSTRUCTION MATERIALS FOR PPA INFRASTRUCTURE PROJECTS**

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
I. Construction of Pier/Wharf, Platform and Ramp		
Structural Concrete (SC)		
A Portland Cement	Quality Test	For every 2,000 bags (40kg) or fraction thereof
B Fine Aggregate	Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	Mill Certificate and Quality Test for Chemical Composition and Mechanical Properties	For every 10,000 kg or fraction thereof
F Concrete	Compressive Strength on cylinder samples	1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof
	Slump Test	For every mix
G Admixture and Concrete Curing Materials	Quality Test	One per shipment
Piling (P)		
A Concrete Piles	Fabrication Report	One per fabrication
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strand	Test for Chemical Composition and Mechanical Properties	For every 20000kg or fraction thereof

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
4 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
5 Fine Aggregates	Same Test as for SC (B)	Same frequency as SC (B)
B Steel Pipe Piles	Fabrication Report, Mill Certificate and Quality Test for Chemical and Mechanical properties	One per fabrication
1 Steel	Chemical Composition (refer below) <ul style="list-style-type: none"> Under 14" (355 60mm) Outside Diameter 14" to 36" (355 6 to 914mm) Outside Dia Over 36" (914mm) Outside Diameter Mechanical/Tensile	2 from 200 pipe or fraction thereof 2 from 100 pipe or fraction thereof 2 from 3000ft (914m) or fraction thereof One (1) tension test shall be made on one length or fraction thereof of each size, or one piece of skelp representing each lot of 200 lengths or fraction thereof of each size
2 Polyurethane Coating	Mill Certificate and Quality Test	One per fabrication
3 Concrete	Same test as for SC (F)	Same frequency as SC (F)
4 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
6 Steel Bars	Same Test as SC (E)	Same frequency as SC (E)
7 Water	Same Test as SC (D)	Same frequency as SC (D)
Rubber Dock Fenders (RDF)	Physical Test Performance Test for Energy Absorption and Reaction Force	All units All units
Accessories Washer and Flange Bolt, Anchor Bolt	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All units One per fabrication

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Mooring Bollard (MB) and Accessories (Hexagon Nuts, Plain Washer, Anchor Ring and Anchor Bolt)	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All Units One per fabrication
II. Construction of Back-Up Area, Causeway and Pavement Sheet Piling (SP)		
A Concrete Sheet Piles		
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strands	Same test as for P (A 3)	Same frequency as P (A 3)
4 Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
B Steel Pipe Piles		
1 Steel	Same test as for P (B1)	Same frequency as P (B1)
2 Concrete	Same test as for SC (F)	Same frequency as SC (F)
3 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
4 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Rocks	Test for Apparent Specific Gravity and Abrasion	For every 1,500 cubic meter or fraction thereof
Geotextile Filter	Physical and Mechanical Test Mill Certificate	One per batch One per batch
Sand and Gravel Fill	Quality Test for Organic Impurities and Grading	For every 1,500 cubic meter or fraction thereof
Selected Fill	Quality Test for Grading, Plasticity and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 1,500 cubic meter or fraction thereof For every 2,500 cubic meter or fraction thereof For every layer of 150mm of compacted depth at least one group of three in-situ density test for every 500 sq m or fraction thereof
Aggregate Base Course	Quality Test for Grading and Plasticity Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 300 cubic meter or fraction thereof For every 1,500 cubic meter or fraction thereof Same frequency as Selected Fill Same frequency as Selected Fill
Portland Cement Concrete Pavement (PCCP)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars (Dowels)	Same test as for SC (E)	Same frequency as SC (E)
F Joint Filler	Quality Test	One (1) per shipment

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
G Admixture and Concrete Curing Material	Same test as for SC (G)	Same frequency as SC (G)
H Concrete	Same test as for SC (F) Flexural Test	Same frequency as SC (F) 3 beam samples for every 330 sq m or fraction thereof
I Completed Pavement	Core Test	1 set (3 specimen) for every 2,500 sq m and fraction thereof
Interlocking Concrete Blocks		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Admixture & Concrete Curing Materials	Same test as for SC (G)	Same frequency as SC (G)
F Completed Blocks	Physical Test and Compressive Strength	6 blocks per day of fabrication
Cement Treated Base Course (CTB)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine & Coarse Aggregates	Quality Test for Grading, Abrasion and Soundness	For every 1,500 cubic meter or fraction thereof
C Water	Same test as for SC (D)	Same frequency as SC (D)
D Completed CTB	Field Density Test	For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof
Retaining Wall/Coping Wall/RC Curb/RC Ditch/Shear Key/Concrete Blocks/Lean Concrete		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
F Admixture and Concrete Curing	Same test as for SC (G)	Same frequency as SC (G)
G Concrete	Same test as for SC (F)	Same frequency as SC (F)
Tie Rod		
A Steel	Same test as for SC (E)	One per batch
B Assembly	Performance Test (Tension)	One per batch
Tie Bars and Dowels	Same test as for SC (E)	For every 10,000 kg or fraction thereof per Tie bars and Dowels
Pipe Culverts and Storm Drains		
A Pipes	Test for Strength, Absorption and Physical	For every 50 pieces
B Mortar or Joint	Same Test as for SC (A, B and D) Alternative Test Same test as for SC (F) and Inspection Report	For every 25 pieces
Concrete Hollow Blocks		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Water	Same test as for SC (D)	Same frequency as SC (C)
D Concrete	Same test as for SC (F)	Same frequency as SC (F)
E Completed CHB	Quality Test	One for every 500 pieces or fraction thereof
Construction Joints (CJ)		
A Angle Bars	Test for Physical and Mechanical Properties	One per batch
B Steel Bars	Same test as for SC (E)	One per batch
C Zinc (Hot Dip Galvanizing) Coatings	Physical Test for Appearance, Stripping, Weighing, Adherence and Adhesion Coating Thickness Magnetic Thickness Measurement	All units 1 set (3 specimen) for every 100,000 sq mm or fraction thereof

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Sacked Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Sack (jute)	Physical Test	One for every 50 pieces
Rubble Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Rocks	Same test as for ROCKS	Same frequency as ROCKS
Earthworks		
A Sub-grade preparation	Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test Density Test	For every 1,500 cubic meter or fraction thereof For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof
B Structure Excavation	If excavated materials shall be used as Backfill Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test Density Test	For every 1,500 cubic meter or fraction thereof For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof

MAC

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
III Port Operations Building/Passenger Terminal Building/Transit Shed/Warehouse		
STRUCTURAL WORKS		
Refer to Structural Concrete (SC) and Piling Works (P)		
ARCHITECTURAL WORKS		
Ceramic – Filled Liquid Membrane / Water Proofing, Hydrophobic Poreblocking Ingredients with Superplasticizer	Physical Property, Mechanical and Chemical Property, Leak Test / Flood Test	One per shipment
Paint	Quality Test	One 4-L can for every 100 cans or fraction thereof
Ceramic Tile	Inspection and Evaluation Report from the Engineer	One per shipment
Stainless Steel	Inspection and Evaluation Report from the Engineer	One per shipment
Roofing Materials	Inspection and Evaluation Report from the Engineer	One per shipment
Ceiling Materials	Inspection and Evaluation Report from the Engineer	One per shipment
ELECTRICAL AND MECHANICAL WORKS		
Wires / Cables	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Electrical Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Fire Alarm System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Wiring Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Protective Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Telephone System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CCTV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CATV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Background Music and Paging System	Inspection and Evaluation Report from the Engineer, Testing and Commissioning	One per item
Air Conditioning Units & Ventilation	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Conduit Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Lighting Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
PLUMBING WORKS		
Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item

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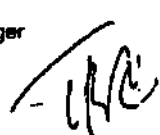
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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Pipe Culverts	Compression Strength Inspection and Evaluation Report from the Engineer	For every size not more than 25 pipes cast in the field
IV Miscellaneous Materials Fencing A Barbed Wire, Cyclone Wire Mesh, Chain Link B Concrete Post	Physical Test (Dimensions and Coatings) Refer to Superstructure (SC)	One per Batch Refer to Superstructure (SC)
Lamp Post A Structural Steel B Zinc (Hot Dip Galvanizing) Coatings	Physical Test (Dimensions) Same test as for SC (E) Same test as for CJ (C)	All units One per batch
Drainage Steel Grating	Same test as for SC (E) Inspection Report	One (1) batch
Metal Pipe (Cast Iron Galvanized, etc)	Physical Test (Dimensions and Coatings)	1 per delivery
Welding Works	Destructive and Non Destructive Test	One (1) per lot

- NOTES**
1. Testing of RDF shall be performed only by an independent Testing Laboratory duly accredited by BRS, DOST and PPA
 2. Testing of other materials shall be performed only by an independent Testing Laboratory duly accredited by BRS and PPA.
 3. All other issuances which are otherwise inconsistent herewith are hereby revoked or otherwise amended.

Approved


RAUL T. SANTOS
Officer-In-Charge,
Office of the General Manager



SECTION IX

CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures; **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; **or**
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
 - ☐ a. Organizational chart for the contract to be bid;
 - ☐ b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
 - ☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (j) Original of duly signed and accomplished Financial Bid Form; and

Other documentary requirements under RA No. 9184

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; and
☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and
☐ (m) Cash Flow by Quarter.

SECTION X
BIDDING FORM

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____
Project Identification No. : _____

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers _____, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Rehabilitation of Rubber Dock Fender (RDF) and Mooring System, Pier 3, Port of Zamboanga, Zamboanga City;**
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: _____;
- d. The discounts offered and the methodology for their application are: _____;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included

¹ currently based on GPPB Resolution No. 09-2020

in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Rehabilitation of Rubber Dock Fender (RDF) and Mooring System, Pier 3, Port of Zamboanga, Zamboanga City of the Philippine Ports Authority.**
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

STATEMENT OF THE BIDDER'S ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

I hereby declare that all ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid are listed below:

Name of outstanding Contracts 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Amount or Value 4]	Date of Contract and NOA 5]	Value of Outstanding Works 6]	Accomplishment (in percentage, %) 7]		Contract Duration 8]	
							Planned	Actual	Start of Project	Estimated Completion Date
A) Government Contracts I. On-going II. Awarded but not yet started B) Private Contracts I. On-going II. Awarded but not yet started										

NOTE:

- 1] As appearing in the contract executed by the parties.
- 2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
- 3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
- 4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso.
- 5] As appearing in the Contract and Notice of Award (NOA).
- 6] Amount or value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.
- 7] Percentage of Accomplishment as of the preceding month which should not be earlier than two (2) months from the date of bid submission.
- 8] As appearing in the Notice to Proceed and Contract.

This Statement shall be supported by:

- a) Notice of Award
- b) Notice to Proceed and Contract

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

Revised: September 2021

STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID

Name of the completed Contract 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Value At 4]			Date of Award 5]	Contract Duration 6]	
				Award	Completion	Escalated Value to Present Prices		Start	Completed

NOTE :

- 1] As appearing in the contract executed by the parties.
- 2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
- 3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
- 4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.
- 5] As appearing in the Notice of Award.
- 6] As appearing in the Notice to proceed and Certificate of Completion.

- A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).
- B. This Statement shall be supported by:
 - a. Notice of Award, Notice to Proceed and Contract.
 - b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
 - c. Recapitulation or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

Revised: September 2021

**STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS
SIMILAR TO THE CONTRACT TO BE BID**

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]	Other completed contracts similar to the contract to be bid 2]			Unit of Measure 2]	Quantity 2]
				Name of the contract	Name of the contract	Name of the contract		
1. Reinforced Concrete works	cu.m.	32.93						
2. Supply and Installation of Rubber Dock Fenders (RDF)	set	30.00						
3. Supply and Installation of 50-Ton Mooring Bollard (Tee-Head)	set	4.00						

NOTE:

1] As stated in the Bid Data Sheet.

2] As appearing in the Recapitulation and/ or Final Bill of Quantities.

This statement shall be supported by:

a. Notice of Award, Notice to Proceed and Contract.

b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, of at least satisfactory.

The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/Constructor, 3) Name of Contract, and 4) Contract Duration.

c. Recapitulation and/ or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

Revised: September 2021

FINANCIAL DATA

- A. The prospective bidder's audited Financial Statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "RECEIVED" by the Bureau of Internal Revenue (BIR), or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.

	FY 2022
1. Total Assets	
2. Current Assets	
3. Total Liabilities	
4. Current Liabilities	
5. Net worth (1-3)	
6. Net Working Capital (2-4)	

- B. The computation of the bidders Net Financial Contracting Capacity (NFCC) must be at least equal to the ABC to be bid, as follows:

NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.

NFCC = _____

Attached herewith are certified true copies of the audited financial statements stamped received by the BIR or BIR authorized collecting agent for the latest/immediately preceding calendar year.

Name of Firm/Applicant

Authorized Signing Official

Date: _____

NOTES:

If Partnership or Joint Venture, each Partner or Member Firm of Joint venture shall submit separate financial statements.

STATEMENT OF THE BIDDER'S KEY PERSONNEL PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following key personnel are qualified and available for the duration of the contract to be bid:

Position of Key Personnel 1]	Name	No. of Key Personnel	Similar Experience in the Position (Years) 2]	Total Experience in the Position (Years)	Attachment(s)	Annex(es)
Project Manager					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex " " _
Project Engineer					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex " " _
Materials Engineer I					PRC License (CE Preferred) Submit Valid and Renewed DPWH Certificate of Accreditation Submit Accreditation Identification Card as Materials Engineer Complete Qualification and Experience Data Certificate of Commitment	Annex " " _
Construction Safety and Health Officer					Certificate of Safety and Health Construction Related Course issued by DOLE Accredited Trainings Complete Qualification and Experience Data Certificate of Commitment	Annex " " _
Foreman					Complete Qualification and Experience Data Certificate of Commitment	Annex " " _
Other Position(s)					Complete Qualification and Experience Data Certificate of Commitment	Annex " " _

NOTE: 1] As stated in the Bid Data Sheet

2] The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

Minimum qualification requirements: The key personnel must have a work experience that is similar in nature and complexity to the contract to be bid.
 Project Manager - Five (5) years
 Project Engineer - Three (3) years
 Foreman - Five (5) years
 Construction Safety and Health Officer - One (1) year
 Materials Engineer - One (1) year
 Materials Engineer I - for projects costing up to 100M
 Materials Engineer II - for projects costing more than 100M

Name of Firm

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

Revised: September 2021

STATEMENT OF THE BIDDER'S EQUIPMENT PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following equipment are in good operating condition and available for the duration of the contract to be bid:

DESCRIPTION (Type, Model, Make)	No. of Unit(s)	Capacity/ Output 1]	Owned, Leased, and/or under purchased agreement 2]	Proof of Ownership/ Leased/ Under Purchase Agreement (Mark as Annex "A.....Z") 3]	OTHER INFORMATION (As Applicable)				
					Manufacturer	Engine Serial No.	Chassis No./ Name of Vessel	Location	Status

NOTE:

- 1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.
 - 2] Indicate if the pledged equipment are owned, leased or under purchase agreement.
 - 3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.
- If the pledged equipment is leased/under purchased agreement, submit certification of availability of equipment from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement.

If the pledged barge/tugboat is leased/under purchase agreement, submit certification of availability of barge/tugboat from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement together with a copy of the Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

The Minimum Major Equipment Requirements are listed in Section 8, Annex 3.

Name of Firm

Revised: September 2021

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Date

Omnibus Sworn Statement for Sole Proprietorship
[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of _____ with office address at _____;
2. As the owner and sole proprietor, or authorized representative of _____, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Rehabilitation of Rubber Dock Fender (RDF) and Mooring System, Pier 3, Port of Zamboanga, Zamboanga City of the Philippine Ports Authority**, as shown in the attached duly notarized Special Power of Attorney;
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. The owner or sole proprietor is not related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20___ at _____, Philippines.

Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement for Partnership or Cooperative
[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Rehabilitation of Rubber Dock Fender (RDF) and Mooring System, Pier 3, Port of Zamboanga, Zamboanga City of the Philippine Ports Authority**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of __, 20__ at _____, Philippines.

Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]
[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement for Corporation or Joint Venture
[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____,
after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Rehabilitation of Rubber Dock Fender (RDF) and Mooring System, Pier 3, Port of Zamboanga, Zamboanga City**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of __, 20__ at _____, Philippines.

Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION **Project Identification No.: _____**

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

CONSTRUCTION METHODOLOGY

Name of Project : _____
Project Description : _____
Location : _____

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

- **Removal of Damaged Rubber Dock Fender (RDF)**
- **Demolition and Chipping Works.**
- **Supply and Installation of Reinforcement Steel Bars**
- **Supply and Placement of Concrete**
- **Supply & Deliver Rubber Dock Fenders (RDF)**
- **Installation of Rubber Dock Fenders (RDF)**
- **Supply and Deliver of 50-Tons Mooring Bollard (Tee-Head)**
- **Installation of Set-in Place 50 – Tons Mooring Bollard (Tee-Head)**

NOTES:

The narrative construction method will guide and familiarize the contractor and the PPA on how the project shall be carried out in accordance with the highest standard of workmanship.

The construction method shall be consistent with the Bar Chart / S-Curve Schedule, Equipment Schedule and Manpower Schedule.

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

MANPOWER (Minimum)	CONTRACT DURATION (__ Calendar Days)																							
	M O N T H L Y																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Project Manager																								
Project Engineer																								
Materials Engineer I																								
Construction Safety and Health Officer																								
Foreman																								
Specify other applicable positions, ie.:																								
- Carpenter																								
- Steelman																								
- Mason																								
- Others																								

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

[illegible]

**Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)**

Revised: September 2021

CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: : _____

Project Description : _____

Location : _____

Project Duration (Days or Months)	Payment Schedule (Monthly, in Pesos)	Cash flow (Quarterly, in Pesos)
150 calendar days		
TOTAL		

NOTES

- The cash flow by quarter and payment schedule should be consistent with the Bar Chart and S-curve.
- Payment schedule shall not be more than once a month.

Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

**Contract Agreement Form for the
Procurement of Infrastructure Projects (Revised)**

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this _____ day of _____, _____ between **Philippine Ports Authority** with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila (hereinafter called the "Entity") and **[name and address of Contractor]** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute **[name and identification number of contract]** (hereinafter called "the Works") and the Entity has accepted the Bid for **[contract price in words and figures in specified currency]** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:
 - a. Philippine Bidding Documents (PBDs);
 - i. Drawings/Plans;
 - ii. Specifications;
 - iii. Bill of Quantities;
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
 - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and

- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.
3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.
4. The **Philippine Ports Authority** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

JAY DANIEL R. SANTIAGO
General Manager

for:

Philippine Ports Authority

**Name of Bidder/ Authorized
Representative
(Signatory's Legal Capacity)**

for:

Contractor

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]