



Republic of the Philippines
Department of Environment and Natural Resources
BIODIVERSITY MANAGEMENT BUREAU
Ninoy Aquino Parks and Wildlife Center
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BID BULLETIN

No. 2020-004

T O : All Participating Bidders for the procurement of :

**“Rehabilitation/Improvement of Wildlife Rescue Center
Including Water and Sewage System (Partial)”
(ABC: P3,300,000.00)**

F R O M : The Chairperson, Bids and Awards Committee

S U B J E C T : Amendments/Clarifications on the Bidding Documents

Per agreement during the Pre-bid Conference held on October 26, 2020 and after conducting a review on the bidding documents on the above-mentioned project, attached herewith are copies of the Revised Bill of Quantities (BOQ) and Scope of Work (SOW) for the project.

Your are hereby informed that the Deadline for the Receipt and Submission of Bids is on **November 16, 2020, 1:00pm** at the BAC Secretariat Office, Procurement Management Unit, Administrative and Finance, Ninoy Aquino Parks and Wildlife Center, Quezon Avenue, Diliman, Quezon City.

Opening of bids shall be done immediately after the closing time of the submission of bids at the BMB Training Centers of the same address.

All other description/specifications stated in the bidding documents other than information posted in this bulletin shall remain effective.

For your information and guidance.


AMELITA D.J. ORTIZ

REVISED SCOPE OF WORKS AND SPECIFICATIONS FOR THE REHABILITATION/IMPROVEMENT OF WILDLIFE RESCUE CENTER INCLUDING WATER AND SEWAGE SYSTEM (PARTIAL) LOCATED AT NAPWC/BMB, QUEZON AVENUE, DILIMAN, QUEZON CITY

Item No. I. Clearing and grubbing within the 1,200 square meters area – The open natural ground or base soil of the project site within 1,200 square meters area as shown in the attached plan (Annex B) shall be cleared completely and properly as directed. Likewise, all existing weeds and other unsightly/troublesome plants in the said area/ground shall be totally and properly grubbed/removed as directed to prevent the said weeds and other unsightly or troublesome plants to grow again, to include removal of all decaying leaves/branches/roots of trees, loose top soil and other objectionable matters prior to compaction. The objectionable matters shall be disposed of properly as directed. Clearing and grubbing shall be done carefully using appropriate materials, tools/equipment and labor to prevent disturbing/harming the animals and good trees in the Wildlife Rescue Center (WRC).

Item No. II. Grading and compacting the open natural ground – Right after the completion of the said clearing and grubbing works, the open natural ground or base soil of the project site shall be graded to a sloping grade (super elevation) that when it rains the area is not flooded, and thoroughly compacted immediately using appropriate materials, tools/equipment and labor as directed. Moreover, grading and compaction shall be done properly/carefully within the 1,200 square meters area only to prevent disturbing or harming the wildlife in the WRC.


Item No. III Covering the open natural ground using gravels – Upon completing said grading and compaction works, the open natural ground or base soil of the project site shall be covered with $\frac{3}{4}$ -inch diameter crushed gravels. Aforesaid gravels shall be ordinary, however these shall be standard, clean, hard and durable (whitish) to improve the existing open natural ground of the project site within the 1,200 square meters area. The minimum thickness of the gravel bed or covering shall be two (2) inches to be placed carefully and properly as directed.

Item No. IV. Improvement of the viewing floor area and walkways/trails – All existing viewing floor area and walkways/trails within the 1,200 square meters area shall be rehabilitated/improved using appropriate materials like red cement, Portland cement, white washed sand, clean water, epoxy primer and epoxy paint for handrails, and other relevant materials of good quality as directed. The minimum thickness of red cement finishes for the viewing floor area and walkways/trails surfaces shall be one (1) inch or 2.54 cm, corduroy lined as directed. The red cement to be applied on the said surfaces shall last for a reasonable period of time without moss ("lumot").


Item No. V. Partial improvement of existing water and sewage system - The existing water and sewage system of WRC within the 1,200 square meters area shall be rehabilitated/improved partially using appropriate, materials, labor and tools/equipment as directed. The existing sewage canals shall be improved, to be provided with concrete covers as directed. The existing septic vault or septic tank shall be improved, also as directed, using 3 chambers septic vault as shown in the septic vault design (Annex C) with a minimum total height of 1.80 meters. The exposed height of the said septic vault is 0.30 meter maximum above the existing ground level. The buried height of the same shall be 1.50 meters minimum, below the existing ground level. Sub-standard materials shall not be used. Laborers shall be skilled and careful. The quality of work completed by the contractor shall be satisfactory and acceptable.

For other details of the project, please refer to the project engineer.


Prepared by:


MELCHOR Q. BANGAOIL
BMB Project Engineer

Recommended by:


MELODY ANN L. MALANO
Sr. EMS/In-Charge, NAPWC

Approved by:


RICARDO L. CALDERON, CESO III
Assistant Secretary for Climate Change and
Director, In concurrent capacity

BILL OF QUANTITIES

Project Name: REHABILITATION/IMPROVEMENT OF WILDLIFE RESCUE CENTER INCLUDING WATER AND SEWAGE SYSTEM (PARTIAL)

Location: NAPWC/BMB, QUEZON AVENUE, DILIMAN, QUEZON CITY

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | UNIT COST | AMOUNT |
|----------|---|---------|-----------|-----------|--------|
| I. | Clearing and Grubbing within the 1,200 sqm. Area | | | | |
| 1.0 | Face Mask | box | 14.00 | | |
| 2.0 | Safety Gloves | pair | 44.00 | | |
| 3.0 | Shovel | pcs | 4.00 | | |
| 4.0 | Wheel Borrow | pcs | 4.00 | | |
| 5.0 | Disposable Garbage Bag XXL | set | 5.00 | | |
| 6.0 | Mini Dump Truck | unit | 1.00 | | |
| | Total Cost for Clearing and Grubbing | sqm. | 1,200.00 | | |
| II. | Grading and Compacting the Open Natural Ground | | | | |
| 1.0 | Plate Compactor | unit | 4 | | |
| 2.0 | Mini Dump Truck | unit | 1 | | |
| | Total Cost for Grading and Compacting | cu.m. | 600.00 | | |
| III. | Covering the Open Natural Ground using Gravels | | | | |
| 1.0 | Plate Compactor | unit | 4 | | |
| 2.0 | Mini Dump Truck | unit | 1 | | |
| | Total Cost for Grading and Compacting | cu.m. | 60.00 | | |
| IV. | Improvement of the Viewing Floor Area and Walkways/Trails | | | | |
| a.) | Walkways | | | | |
| 1.0 | Pick Axe Mattock | pcs | 4 | | |
| 2.0 | 10mm dia. Rebars | pcs | 15.00 | | |
| 3.0 | Phenolic Board 1.2x2.4x1/2" | pcs | 8.00 | | |
| 4.0 | Gravel, G1 | cu.m. | 48.01 | | |
| 5.0 | Concrete Ready Mix 3000 psi | cu.m. | 63.00 | | |
| 6.0 | 2"x3"x1/2" Coco Lumber | bd. Ft. | 244.00 | | |
| 7.0 | CWN 2" | kg | 6.00 | | |
| 8.0 | CWN 3" | kg | 6.00 | | |
| 9.0 | Claw Hammer | pcs | 5.00 | | |
| 10.0 | Hand Saw | pcs | 5.00 | | |
| 11.0 | Hacksaw | pcs | 3.00 | | |
| 12.0 | Steel Spatula | pcs | 4.00 | | |
| 13.0 | Red Cement | kg | 11,360.00 | | |
| 14.0 | White sand | cu.m. | 15.75 | | |
| 15.0 | Small GI Pails | pcs | 5.00 | | |
| 16.0 | Jack Hammer | unit | 2.00 | | |
| 17.0 | Mini Dump Truck | unit | 1 | | |
| | Total Cost for Walkways/ Trails Concreting and Plastering | sqm. | 630.00 | | |
| b.) | Hand Rails | | | | |
| 1.0 | Epoxy Primer | gal. | 3.00 | | |
| 2.0 | Acqua Epoxy Topcoat | gal. | 5.00 | | |
| 3.0 | Epoxy Reducer #55 | gal. | 1.00 | | |
| 4.0 | Paint Brush #2 | pcs | 8.00 | | |
| 5.0 | Sandpaper #120 | pcs | 150.00 | | |
| 6.0 | Sandpaper #320 | pcs | 150.00 | | |
| 7.0 | Mini Dump Truck | unit | 1 | | |
| | Total Cost for Handrail Repainting | sqm. | 50.00 | | |

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|------|---|---------|----------|--|
| V. | Partial Improvement of Existing Water and Sewage System | | | |
| a.) | Septic Vault | | | |
| 1.0 | Gravel, G1 (for gravel bedding) | cu.m. | 2.85 | |
| 2.0 | Portland Cement | bags | 208.00 | |
| 3.0 | White Sand | cu.m. | 11.39 | |
| 4.0 | Gravel 3/4" | cu.m. | 7.48 | |
| 5.0 | 4" CHB | pcs | 1,332.00 | |
| 6.0 | 10mm dia. Rebars | pcs | 210.00 | |
| 7.0 | #16 GI Tie Wire | kg | 19.55 | |
| 8.0 | Phenolic Board 1.2x2.4mx1/2" | pcs | 7.00 | |
| 9.0 | 2"x3"x1/2" Coco Lumber | bd. Ft. | 196.00 | |
| 10.0 | PVC 100mm dia.x3m | pcs | 5.00 | |
| 11.0 | Tee 100mm | pcs | 20.00 | |
| 12.0 | C.O. Adaptor w/ Plug 100mm | pcs | 20.00 | |
| 13.0 | CWN 2" | kg | 2.00 | |
| 14.0 | CWN 3" | kg | 2.00 | |
| 15.0 | Mini Dump Truck | unit | 1 | |
| | Total Cost for Septic Vault | set | 5.00 | |
| b.) | Drainage System | | | |
| 1.0 | Gravel, G1 (for gravel bedding) | cu.m. | 21.34 | |
| 2.0 | Portland Cement | bags | 519.00 | |
| 3.0 | White Sand | cu.m. | 28.50 | |
| 4.0 | Gravel 3/4" | cu.m. | 16.30 | |
| 5.0 | 4"CHB | pcs | 3,500.00 | |
| 6.0 | Phenolic Board 1.2x2.4mx1/2" | pcs | 4.00 | |
| 7.0 | 2"x3"x1/2" Coco Lumber | bd. Ft | 112.00 | |
| 8.0 | Mini Dump Truck | unit | 1 | |
| | Total Cost for Drainage System | sqm | 153.00 | |
| c.) | Water System | | | |
| 1.0 | 1 1/2"x3m PVC water pipe | pcs | 10.00 | |
| 2.0 | 1"x3m PVC water pipe | pcs | 15.00 | |
| 3.0 | 3/4"x3m PVC water pipe | pcs | 30.00 | |
| 4.0 | 1/2"x3m PVC water pipe | pcs | 25.00 | |
| 5.0 | PVC Elbow, 1 1/2" one end w/ thread | pcs | 10.00 | |
| 6.0 | PVC Elbow, 1 1/2" plain | pcs | 20.00 | |
| 7.0 | PVC Tee, 1 1/2" one end w/ thread | pcs | 10.00 | |
| 8.0 | PVC Tee, 1 1/2" plain | pcs | 20.00 | |
| 9.0 | PVC Elbo, 1" one end w/ thread | pcs | 20.00 | |
| 10.0 | PVC Elbow, 1" plain | pcs | 20.00 | |
| 11.0 | PVC Tee, 1" one end w/ thread | pcs | 20.00 | |
| 12.0 | PVC Tee, 1" plain | pcs | 20.00 | |
| 13.0 | PVC Elbow, 3/4" one w/ thread | pcs | 25.00 | |
| 14.0 | PVC Elbow, 3/4" plain | pcs | 25.00 | |
| 15.0 | PVC Tee, 3/4" one w/ thread | pcs | 25.00 | |
| 16.0 | PVC Tee, 3/4" plain | pcs | 25.00 | |
| 17.0 | PVC Elbow, 1/2" one w/ thread | pcs | 15.00 | |
| 18.0 | PVC Elbow, 1/2" plain | pcs | 25.00 | |
| 19.0 | PVC Tee, 1/2" one end w/ thread | pcs | 15.00 | |
| 20.0 | PVC Tee, 1/2" plain | pcs | 25.00 | |
| 21.0 | PVC Tee 1 1/2"x1" | pcs | 10.00 | |
| 22.0 | PVC Tee 1"x3/4" | pcs | 10.00 | |
| 23.0 | PVC Tee 3/4"x1/2" | pcs | 10.00 | |
| 24.0 | PVC male adaptor 1/2" | pcs | 7.00 | |
| 25.0 | PVC female adaptor 1/2" | pcs | 7.00 | |
| 26.0 | PVC reducer 3/4"x1/2" | pcs | 20.00 | |
| 27.0 | PVC reducer 1"x3/4" | pcs | 10.00 | |

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|-----------------------------|----------------------------|-------|--------|--|--|
| 28.0 | PVC reducer 1 1/2"x1" | pcs | 7.00 | | |
| 29.0 | PVC socket coupling 1 1/2" | pcs | 7.00 | | |
| 30.0 | PVC socket coupling 1" | pcs | 13.00 | | |
| 31.0 | PVC socket coupling 3/4" | pcs | 13.00 | | |
| 32.0 | PVC socket coupling 1/2" | pcs | 13.00 | | |
| 33.0 | Nipple 1 1/2"x1" | pcs | 12.00 | | |
| 34.0 | Nipple 1"x3/4" | pcs | 12.00 | | |
| 35.0 | Nipple 3/4"x1/2" | pcs | 12.00 | | |
| 36.0 | Ball Valve 3/4" | pcs | 7.00 | | |
| 37.0 | Ball Valve 1/2" | pcs | 7.00 | | |
| 38.0 | Gate Valve 1 1/2" | pcs | 3.00 | | |
| 39.0 | Gate Valve 1" | pcs | 5.00 | | |
| 40.0 | Gate Valve 3/4" | pcs | 5.00 | | |
| 41.0 | Angle Valve 1/2"x1/2" | pcs | 5.00 | | |
| 42.0 | Faucet | pcs | 25.00 | | |
| 43.0 | Teflon Tape | rolls | 5.00 | | |
| 44.0 | PVC Cement | 400cc | 4.00 | | |
| 45.0 | Metal Cutting Disk | pcs | 10.00 | | |
| 46.0 | Ridgid Pipe Wrench | pcs | 6.00 | | |
| 47.0 | Angle Grinder | unit | 1 | | |
| 48.0 | Mini Dump Truck | unit | 1 | | |
| Total Cost for Water System | | Lm. | 240.00 | | |