



Development Bank of the Philippines

PROJECT : RENOVATION / REHABILITATION OF SEPTIC TANK AT DBP LEGAZPI
LOCATION : DBP BUILDING, QUEZON AVE, BARANGAY DINAGAAN, LEGAZPI
CITY, ALBAY
SUBJECT : SCOPE OF WORKS AND TECHNICAL SPECIFICATIONS

I. APPROVED BUDGET FOR THE CONTRACT (ABC): Three Hundred Twenty-Eight Thousand Three Hundred Nineteen Pesos and 22/100 (P328,319.22) Inclusive of Vat/Applicable Taxes.

II. SCOPE OF WORKS/TECHNICAL SPECIFICATIONS

The Contractor shall hold all the obligations, duties, and responsibilities necessary for the successful completion of the contract. This includes all labor, materials, equipment, services, and other incidentals and furnishings in accordance with the drawings, specifications and all addenda prepared by DBP.

1. GENERAL REQUIREMENTS

1.1 Mobilization/Demobilization

1.2 Temporary Facilities and Utilities

1.3 Health & Safety

- Wearing of ANSI standard PPEs, provision of safety signages and compliance to DOH, DOLE and LGU protocols shall be observed on the project site.

2. SITE WORKS

2.1. Chipping, Dismantling and Demolition Works

- 2.1.1 Chipping of concrete pavement on parking for the septic tank

2.2. Earthworks

2.2.1 Excavation works

- Excavate to the required dimensions and depth for the septic tank, with proper disposal of excavated soil as directed.

2.2.2 Gravel bedding (100mm)

- Place and compact a 100mm thick layer of clean gravel bedding at the base of the septic tank to provide a stable foundation.

2.2.3 Backfilling / Embankment

- Backfill around the septic tank using approved materials, placed in layers and well compacted to ensure stability and prevent settlement.

2.3. General Cleaning and Hauling of Debris

2.3.1 General cleaning

- Daily site cleaning shall be required.
- Final and thorough cleaning shall be done prior to turn-over of site to DBP.

2.3.2 Hauling of construction debris

- All old materials, trash, and debris shall be removed from the immediate work area as the work progresses.

2.3.3 Decommissioning / siphoning of existing septic tank

- Include pumping out sludge, cleaning, and safe disposal in accordance with local environmental regulations.

3. CONCRETE WORKS

3.1. Form Works and Scaffolds

3.2. Concrete Members

3.2.1 Septic Tank

- Dimensions: 5000mm(L) x 2300mm(W) x 2400mm(H)
- Location : Beside Cash Center
- Concrete works for septic tank shall use Class A (1:2:4) mix, 3000 psi @ 28 days, with ¾" max coarse aggregate, proper reinforcement cover (min. 50mm), watertight formwork, and cured for at least 7 days to ensure strength and watertightness.

4. METAL WORKS

4.1. Reinforcing Bars

4.1.1 Septic Tank

- Dimensions: 5000mm(L) x 2300mm(W) x 2400mm(H)
- Location : Beside Cash Center
- Reinforcing bars shall be 10mm Ø deformed bars spaced at 150mm on center, conforming to ASTM A615 Grade 40.

4.1.2 Manhole cover with 12mm round bar handle

- Dimensions: 600mm(L) x 600mm(W)
- Reinforcing bars shall be 10mm Ø deformed bars spaced at 150mm on center, conforming to ASTM A615 Grade 40.

5. PLUMBING

5.1. Septic Tank System

5.1.1 4" Ø PVC sanitary pipe (3m/lgt)

- Pipes shall be standard heavy-duty, Series 1000, conforming to ASTM D1785, installed true to line and grade.

5.1.2 Fittings and accessories (sanitary tee, cleanout, etc.)

- Shall be PVC, same series and class as pipes, leak-proof and solvent-welded.

5.1.3 Tapping of existing sanitary system to the new septic tank

- Shall be done with proper transition fittings, ensuring watertight and secure connection.

5.1.4 Connecting to the local sewer line

- Shall use approved PVC fittings and sealing methods, conforming to local plumbing code and standards.

5.1.5 Waterstop for concrete joints

- Waterstop for septic tank shall be PVC type, minimum 150 mm wide, chemical- and sewage-resistant, installed continuously at all construction joints to ensure watertightness of the tank.

5.1.6 Cementitious waterproofing

- Cementitious waterproofing shall be applied in two coats on all internal surfaces of the septic tank, ensuring watertightness and protection against seepage.

Note:

For clarification or further details on working drawings and Scope of Work/Technical Specifications, the Contractor shall coordinate, verify and confirm first with DBP before proceeding with the works by submitting a Request for Information (RFI) memo addressed to the Construction and Facilities Management Department (CFMD).

III. OTHER WORKS AND REQUIREMENTS/CONDITIONS:

1. The Contractor shall ensure that the items delivered are in accordance with the specifications required by DBP. DBP reserves the right to reject delivery if the item/s are found to be defective or do not meet the required specifications.
2. The Contractor shall submit Construction Schedule reflecting all activities needed to complete the project, including their sequence and duration.
3. The Contractor shall submit samples of materials and color swatches for DBP's approval prior to fabrication, installation, or application.
4. DBP may terminate/cancel the Purchase Order (PO) / Notice to Proceed (NTP) when the Contractor fails to deliver, perform and comply with its obligation.
5. Project Period: The Contractor shall complete the project within **thirty (30) calendar days** after receipt of Purchase Order (PO) / Notice to Proceed (NTP).
6. Performance Security: To guarantee the faithful performance of obligations, the winning contractor is required to post within ten (10) calendar days from receipt of Notice of Award, a performance security in any of the following forms and percentages:

Forms of Performance Security	Minimum % of Contract Price
Cash, cashier's/manager's check issued by a Universal or Commercial Bank.	Ten Percent (10%)
Bank draft/guarantee or Irrevocable letter of credit issued by a Universal or Commercial Bank; provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	
Surety Bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Thirty Percent (30%)

IV. WARRANTY

One (1) year warranty for workmanship and materials used in the project.

V. RETENTION

The obligation for the one (1) year warranty (reckoned from the date of acceptance) shall be covered by either retention money or a special bank-guarantee equivalent to ten percent (10%) of the total contract amount. The remaining warranty shall be covered by paper warranty.

VI. PAYMENT:

ONE-TIME, FULL PAYMENT shall be processed be after completion of the project subject to submission of following complete documents:

- Project Pictures
- Invoice/Billing Statement
- Certificate of Completion/Acceptance (as applicable)

VII. LIQUIDATED DAMAGES:

Once the contractor fails to satisfactorily complete the works under the contract within the specified contract duration, inclusive of duly granted time extensions, if any, the contractor shall be liable for liquidated damages in an amount equal to at least one-tenth (1/10) of one percent (1%) of the cost of the unperformed portion of the works for every day of delay.

In computing liquidated damages, the DBP shall determine the usability of the project. A project or a portion thereof may be deemed usable when it starts to provide the desired benefits as certified by the targeted End-User or Implementing Units and the DBP.

To be entitled to liquidated damages, the DBP does not have to prove that it has incurred actual damages. Such amount shall be deducted from any money due, or which may become due the contractor under the contract, collected from the retention money or other securities posted by the contractor, or a combination thereof, whichever is convenient to the DBP.

In case the total sum of liquidated damages reaches ten percent (10%) of the total contract price, the DBP may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances. This does not, however, preclude the DBP in resorting to Termination of Contract under Section 71.4 of the IRR of R.A. 12009.

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Recommended by:

SM ERICK M. VALIDO

OIC, PCMU

(per Office Order No. 325 dated 14 July 2025)

Approved by:

SAVP ALBERTO SANTILAGO A. BERMEJO

OIC, CFMD

(per Sector Order No. 513 dated 20 August 2025)

RENOVATION / REHABILITATION OF SEPTIC TANK AT DBP LEGAZPI
Project Name
DBP Building, Quezon Ave, Barangay Dinagaan, Legazpi City, Albay
Project Location

ITEM / SCOPE OF WORKS	Qty	Unit	Estimated Direct Cost	Mark up		Total Mark up %	Total Mark up Value	VAT	Total Indirect Cost	Total Cost	Unit Cost
				OCH	Profit						
1.0 GENERAL REQUIREMENTS											
1.1 Mobilization/Demobilization (inclusive of freight cost)	1.00	lot	2,339.00	-	-	0%	-	116.95	116.95	2,455.95	2,455.95
1.2 Temporary Facilities and Utilities	1.00	lot	10,000.00	1,500.00	1,000.00	25%	2,500.00	625.00	3,125.00	13,125.00	13,125.00
1.3 Health and Safety	1.00	lot	5,000.00	-	500.00	10%	500.00	275.00	775.00	5,775.00	5,775.00
									sub-total =	21,355.95	
2.0 SITE WORKS											
2.1 Chipping, Dismantling and Demolition Works											
2.1.1 Chipping of concrete pavement on parking for the septic tank	1.00	lot	5,000.00	750.00	500.00	25%	1,250.00	312.50	1,562.50	6,562.50	6,562.50
2.2 Earthworks											
2.2.1 Excavation works	1.00	lot	16,836.00	2,525.40	1,683.60	25%	4,209.00	1,052.25	5,261.25	22,097.25	22,097.25
2.2.2 Gravel bedding (100mm) - septic tank	1.15	cu.m	2,070.00	310.50	207.00	25%	517.50	129.38	646.88	2,716.88	2,362.50
2.2.3 Backfilling / Embankment	1.00	lot	25,649.28	3,847.39	2,564.93	25%	6,412.32	1,603.08	8,015.40	33,664.68	33,664.68
2.3 General Cleaning and Hauling of Debris											
2.3.1 General cleaning	1.00	lot	5,000.00	750.00	500.00	25%	1,250.00	312.50	1,562.50	6,562.50	6,562.50
2.3.2 Hauling of construction debris	1.00	lot	10,000.00	1,500.00	1,000.00	25%	2,500.00	625.00	3,125.00	13,125.00	13,125.00
2.3.3 Decommissioning / siphoning of existing septic tank	1.00	lot	7,776.00	1,166.40	777.60	25%	1,944.00	486.00	2,430.00	10,206.00	10,206.00
									sub-total =	94,934.83	
3.0 CONCRETE WORKS											
3.1 Form Works and Scaffolds	1.00	lot	16,468.00	2,470.20	1,646.80	25%	4,117.00	1,029.25	5,146.25	21,614.25	21,614.25
3.2 Concrete Members											
3.2.1 Septic tank	10.37	cu.m	51,856.00	7,777.50	5,185.00	25%	12,962.50	3,240.63	16,203.13	68,059.13	6,562.50
Dimensions:											
5000mm (L) x 2300mm (W) x 2400mm (H)											
Location: Beside Cash Center											
									sub-total =	89,667.38	
4.0 METAL WORKS											
4.1 Reinforcing Bars											
4.1.1 Septic tank	727.69	kg/s	36,384.49	5,457.67	3,638.45	25%	9,096.12	2,274.03	11,370.15	47,754.64	65.62
Dimensions:											
5000mm (L) x 2300mm (W) x 2400mm (H)											
4.1.2 Manhole cover with 12mm roundbar handle	16.43	kg/s	822.00	123.30	82.20	25%	205.50	51.38	256.88	1,078.88	65.65
									sub-total =	48,833.52	

