



Republic of the Philippines  
Province of Pampanga  
Bids and Awards Committee  
Provincial Capitol, City of San Fernando, (P) / (045) 435-5122

P.R. No./Date/End User: 22-4128 / II-4-2022 /GO  
Purpose: Termite Interception & Baiting Services for PDRRMC Command  
and Control Center and Warehouse

RFQ No. 220893  
NOV 21 2022

REQUEST FOR QUOTATION

Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Tel. No. : \_\_\_\_\_

Please quote your lowest price for the requirements listed hereunder subject to the Terms and Conditions stated below and submit to this Office duly signed by you or your representative not later than ~~9:00 a.m.~~ NOV 25 2022

APPROVED BUDGET FOR  
THE CONTRACT (ABC):  
PhP 139,125.00

FRANCIS V. MASLOG  
Vice Chairperson *mas*  
Bids and Awards Committee

TERMS AND CONDITIONS:

- All quotations may be typewritten or handwritten, placed in a sealed envelope.
- All quotations shall be valid for one hundred twenty (120) calendar days from the deadline of the submission of the same.
- Any erasures or overwriting shall be valid only if they are signed or initialed by the supplier or its authorized representative.
- Interested suppliers are required to submit their valid current Mayor's Permit; PhilGEPS Registration Number, and Income/BIR Tax Return (for ABCs above P500,000.00) upon submission of quotation. In lieu of the Mayor's Permit and PhilGEPS Registration Number, the PhilGEPS Certificate of Platinum Membership may be submitted. For new businesses, submit the BIR Certificate of Registration in lieu of the ITR.
- The applicable rate for late deliveries is one tenth (1/10) of one percent (1%) of the cost of the unperformed portion for everyday of delay.
- The Provincial Government of Pampanga reserves the right to accept or reject any quotation, and to annul the procurement process and reject all quotations at any time prior to contract award, without thereby incurring any liability to the affected supplier/s.
- The PGP also reserves the right to waive any required formality in the proposals received, and select the proposal which it determine to be the most advantageous to the government.

Item No.	Quantity	Unit	Item Description	Unit Price	Total Price
	<b>1</b>	<b>lot</b>	<b>Termite Interception and Baiting Services</b>		
			Coverage:		
			-PDRRMC Warehouse-218 linear meter		
			-Command Center – 105.4 linear meter		
			<b>After Sales Service:</b>		
			-With one (1) year coverage monthly inspection		
			(Refer to attached Technical Specifications & Schedule of Requirements)		
			The documents for the following requirements must be attached/submitted together with the quotation.		
			-Must have an accredited service provider in the locality to assure delivery of services and after sales service		
			-Must have valid inventory of equipment, supplies, paraphernalia & chemicals sufficient for the project.		
			<b>Continue next page ... page 1 of 2</b>		

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## TERMS OF REFERENCE

### TERMITE INTERCEPTION

#### SERVICE DELIVERY & PESTICIDES SPECIFICATIONS:

ITEM	SPECIFICATIONS	COMPLIANCE									
1	The pest control work must target subterranean termites										
2	Frequency of treatment: <ul style="list-style-type: none"> <li>• Installation/ General Treatment: One (1) day per building;</li> <li>• Monitoring/ Service Visits: Once or twice a month when and where needed.</li> </ul>										
3	<b>Minimum manpower and hours required for the project to ensure quality of work:</b> <ul style="list-style-type: none"> <li>• Installation of the system; 1<sup>st</sup> visit: four (4) service technicians at four (4) hours work.</li> <li>• Service visits: Three (3) service technicians, two (2) hours of work, at once a month visit within the duration of the service period.</li> </ul>										
4	<p><b>Service Guarantee:</b></p> <p>Colony elimination of discovered subterranean termite colony/ies, all four (4) species known to be destructive in the Philippines, within the duration of the service agreement.</p> <p><b>Termiticide profile:</b> An odorless and non-repellant termiticide will be used to ensure successful colony elimination of termite colonies harboring in and out of the structure. Please refer to the specifications of accepted non-repellant termiticide below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>Active ingredient:</b></td> <td style="width: 35%;">Imidacloprid</td> <td style="width: 35%;">Fipronil</td> </tr> <tr> <td><b>Dilution rate:</b></td> <td>1:700</td> <td>1:83</td> </tr> <tr> <td><b>Application rate:</b></td> <td colspan="2">5 li. per linear meter</td> </tr> </table> <p>Use of an <u>Organic Adjuvant with 80% concentration</u> to be mixed together with the termiticide solution to ensure the efficient dispersal of the prepared solution thus achieving better binding, longer residual and efficacy.</p> <p>All pesticides to be used on site are registered with the FDA (Food and Drug Administration) and/or FPA (Fertilizer and Pesticide Authority) whichever is applicable.</p> <p><u>PREPARATION &amp; MIXING</u> of pesticides will be done on-site and in front of the client to <u>ensure fairness, freshness, and quality of components</u> being used otherwise <b>BEWARE!</b></p> <p>Only trained service technicians will conduct the treatment on-site.</p> <p>On-call service, with twenty-four (24) hour response time, for emergency situations related to pest problem, when and where needed.</p> <p>Compliance to scope of work indicated below.</p>	<b>Active ingredient:</b>	Imidacloprid	Fipronil	<b>Dilution rate:</b>	1:700	1:83	<b>Application rate:</b>	5 li. per linear meter		
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5	<p><b>Pesticide/s &amp; Termite Interception &amp; Baiting System Components specifications:</b> The pest control operator must only use pesticides and termite interception &amp; baiting system components which meets the following specifications below; <i>client approval is needed.</i></p> <p>Termiticide Concentrate (TC):</p> <ul style="list-style-type: none"> <li>• Active Ingredient: Fipronil or Imidacloprid</li> <li>• Dilution Rate:           <ul style="list-style-type: none"> <li>○ Fipronil at 1li. (TC) : 83 li. (water)</li> <li>○ Imidacloprid at 1 li. (TC) : 700 li. (Water)</li> </ul> </li> <li>• Application Rate: 5 li. per linear meter</li> <li>• Registered for use as soil termiticide and chemical for above-ground spot-treatment.</li> </ul> <p>Pesticide Adjuvant:</p> <ul style="list-style-type: none"> <li>• 80% Concentration; biodegradable</li> <li>• Dilution Rate: 1li. (concentrate) : 1600 li. (water)</li> <li>• Application Rate: mixed with pesticides; 3ml : 5 li. (ready-to-use pesticide solution)</li> </ul> <p>Termite Interception and Baiting System Components, Definition, Process, and Use:</p> <ul style="list-style-type: none"> <li>• <b>In-Ground Stations</b> <ol style="list-style-type: none"> <li>a) Made of highly durable plastic with patented design for optimum rate of termite interception and baiting with the least possible disturbance to termites while in progress.</li> <li>b) 8½ inches high, min.</li> <li>c) 4½ inches inside diameter, min.</li> <li>d) 6 slots for insertion of 6 pieces of timber interceptors, min.</li> <li>e) Station design should allow for timber interceptors to be in direct soil contact to enable termites to locate the timber within as termites will not cross a gap, if such exists, between the soil and the interceptor</li> <li>f) Station design allows for timber interceptors to be exposed within the top 5cm of the soil since some termite species forage exclusively in this thin surface layer</li> <li>g) Timber food source must line the inner walls of the station leaving a vacant centre cavity for later addition of termite bait without disturbing the termites, since termites, especially the Coptotermes and Macrotermes are well known to be easily disturbed.</li> <li>h) With a 3¾-inch diameter of central cavity to enable station inspection without lifting the timber interceptors and allow placement and refilling of bait without the need for bait tubes/containers.</li> <li>i) 6 sets of see-through horizontal slats lining the wall of the In-Ground station, min.</li> <li>j) Top lid should have a lock and key mechanism to prevent unauthorized persons from opening and closing the station and to ensure least disturbance and maximum effectiveness of system.</li> <li>k) Closed/opened only with an In-Ground Station Cover Removal Tool.</li> </ol> </li> </ul>										

- l) Allows placement of at least 1 kg. of bait mixture to ensure termites have a large food source and are less likely to abandon the station.
  - m) Provision of marker hole on station's lid for easy location and alert maintenance personnel to prevent inadvertent damage.
  - n) With at least 1-inch upper lip for proper flushing to soil surface and prevent excess burial depth.
  - o) Designed for vertical placement of timber interceptors.
- **Above-Ground Stations**
    - a) Made of highly durable plastic.
    - b) Size 3¼" x 7¾" x 3½" (H x L x W) with inward tapering at the bottom.
    - c) With slats at the bottom parallel to the length of the station.
    - d) With top cover having six (6) holes to accommodate square slotted screws designed for square tipped screwdrivers to prevent unauthorized access to the station and to ensure maximum effectiveness of the system.
    - e) Designed for placement of at least 500 grams of bait mixture to provide a substantial food source that will make termites less likely to abandon the station.
    - f) Stackable design to allow placement of more bait mixture creating a larger food source to encourage feeding of termites.
    - g) Designed for mounting on surfaces either by wood screws or duct tape, whichever is applicable.
    - h) With rubber O-ring seal to prevent bait leakage and help retain moisture.
    - i) Provision of 25mm rubber plug to enable bait refills without opening the station.
- **Bait Bags**
    - a) Made of nylon with mesh design.
    - b) At least 3 meters total length x 5¾" width.
    - c) Designed for cutting to specific lengths for placement of required amount of bait mixture.
- **Timber Interceptors**
    - a) Size 7½" x 1½" x 3/16" (LxWxT)
    - b) Non-toxic wood of hardwood timber species known to be favoured by termites, preferably *Eucalyptus regnans* or *Eucalyptus delegatensis*.
    - c) Kiln dried
- **Termite Bait**
    - a) Insect Growth Regulator (IGR) type with Chitin Synthesis Inhibitor (CSI).
    - b) Composed of 99.9% high-grade alpha cellulose and .1% Chlorfluazuron as the active ingredient.
    - c) Technical active ingredient should be level II compound with LC50 level of not more than 3ppm.
    - d) Technical active ingredient should have an LD50 level of at least 8,500 mg. per kg. of body weight.
    - e) Bait should have an LD50 level of at least 85,000,000 mg. per kg of body weight.
    - f) In powder form designed for mixing with distilled water.
    - g) Capable of absorbing water thrice its weight.
    - h) Classified by the Fertilizer and Pesticide Authority as Category 4 (green band) for least toxicity.
    - i) Heat stable.
    - j) Environment friendly and safe for people and pets.
    - k) Proven and certified effective in eliminating termite colonies of the following termite species: *Macrotermes gilvus*, *Coptotermes vastator*, *Nasutitermes losbañosensis* and *Microcerotermes luzonicus*. Certification issued by a local competent agency based on actual bio-efficacy trial conducted in the Philippines.
    - l) Slow-acting effect on termites.
    - m) Ability to soften termite mandibles when ingested to prevent further wood damage.
    - n) Formulated to commence feeding by termites without the need to aggregate a certain number of termites in In-Ground/In-Concrete stations.
    - o) Formulated for termites to voluntarily shift from feeding on the interceptors to feeding on the termite bait.
- **Termite Bait Registration & Efficacy:**
    - a) The Termite Bait is registered with the Food and Drug Administration (FDA) of the Philippines. The Authorized Operator must present a Certificate of Product Registration (CPR) from the FDA of their system's termite bait.
    - b) Proven and certified to be effective in eliminating termite colonies of Philippine termite species such as *Coptotermes vastator*, *Macrotermes gilvus*, *Microcerotermes losbañosensis* and *Nasutitermes luzonicus*, which are all known to attack properties. Certification issued by a competent authority based on actual bio-efficacy trial conducted in the Philippines.
- **Termite Attractant**
    - a) Natural, non-toxic food based additive.
    - b) For use on all In-Ground and In-Concrete stations.
    - c) Formulated to slowly release a small, precisely determined, naturally engineered concentration of carbon dioxide (CO2) into the soil.
    - d) Designed to create a unique Termite Interception Zone around the property to naturally attract termites into the In-Ground and/or In-Concrete stations for termites to feed on the timber interceptors inside these stations to keep the property safe.
- **SYSTEM Definition, Process, and Use:**
    - a) The Termite Interception & Baiting System is designed to intercept foraging termites and to concentrate termite feeding in Termite Monitoring Stations. In-ground Stations containing timber interceptors are embedded in the soil around the perimeter of your building. These are inspected on a regular basis until termites are intercepted.

- b) At this point Termite Bait, a non-toxic bait is added to the installed Stations. The Termite Bait is a Chitin Synthesis Inhibitor. A key component of a termite's exoskeleton is the substance chitin. Without chitin termites cannot complete their natural moulting process. If they do not moult they die. This results in the elimination of the colony whilst avoiding the use of toxic chemicals in the environment.
- c) When the colony has been eliminated, the Termite Bait is removed and fresh timber interceptors are placed in the stations. These stations will continue to be monitored on a regular basis.
- d) Where termites are located within your building(s), Above-ground Stations containing the Termite Bait are installed. This may require inserting small screws and the creation of small access holes to enable termites to enter installed station(s). These stations are removed once the colony has been eliminated, or when feeding ceases.
- e) User also understands and agrees that all of the components of the Termite Interception & Baiting System are patented and remain to be the property of the winning Authorized Operator of the system. Missing stations must be replaced immediately to prevent *compromising the integrity of the system. The cost of replacement will be charged on the user's account accordingly.* On expiration or termination of this Agreement, user authorizes the Authorize Operator to retrieve all components, except for the In-Concrete Stations which shall remain to be user's property.
- f) Limitations to the Termite Interception and Baiting System: The Termite Interception and Baiting System System is a multi-step process that involves station installation, termite interception and baiting. The Termite Bait is applied in stations where termites are feeding. The Termite Interception and Baiting System does not keep termites out of your property. Termite Interception and Baiting System manages your termite problem by eliminating termite colonies over time.
- g) Time to Interception and feeding Variations exist in the amount of termite activity and number of termite colonies around different structures. For this reason, there is no defined period of time after the date of installation within which it can be guaranteed that termite feeding will commence in the stations. Establishment of feeding in stations can occur in as little as one week, but may take considerably longer. Only then that the termite bait is added.
- h) Time for Colony Elimination Termite colonies may be eliminated within two to six months from commencement of feeding on the Termite Bait. However, it may take longer. For this reason, there is no defined period of time within which it is guaranteed that the colony will be eliminated. Multiple termite colonies may be present in the vicinity of a structure. In order to protect your property against termite attack, the stations must remain in place.
  - i. Factors that affect the period of time to achieve colony elimination include:
    1. The presence of toxic chemicals from previous treatments.
    2. The size of the termite colony. Larger colonies may take longer to eliminate.
    3. The species of termites involved.
    4. The time of year.
    5. The distance between your property and the termite colony.
    6. The availability of alternative feeding sources.
    7. Disturbance of the termites.
  - ii. Definition of Colony Elimination : Colony elimination is confirmed when the following have been observed:
    1. Termite feeding on the Termite Bait has been recorded and 100g or more has been consumed.
    2. A visible change in the colour or behavioural pattern of the termites has been observed indicating the effects of the Termite Bait.
    3. Significant reduction in worker termites. More soldier termites are observed. This also indicates the effect of the Termite Bait.
    4. Cessation of feeding. No more live termites observed.
- i) *Future Termite Damage During the time leading up to colony elimination, termites may continue to attack your property and cause further damage. Once termite feeding on the Termite Bait commences, it is usually observed that termites from that colony cease feeding on the timbers in your property.*
- j) *Timber Damage: No warranty is implied, for any timber damage before, during and after the installation of this Agreement. User expressly waives any claim for and discharges and releases the Authorized Operator from responsibility for any termite damage.*
- k) *Damage Caused by Other Pests: The Termite Interception and Baiting System only applies to subterranean termites. It does not provide for management, control or protection against any other pest(s). In particular it will not work against drywood termites, Family: KALOTERMITIDAE or dampwood termites Family: TERMOPSISIDAE.*
- l) *Tampering: User is advised not to tamper or interfere with the Termite Interception and Baiting System System or its components by opening or relocating the stations installed. Tampering may render the system ineffective and significantly delay the time to colony elimination.*
- m) *Drilling: The Authorized Operator will exercise due care while performing any work to try to avoid damaging any part of your property. However it is User's responsibility under this Agreement to accurately indicate the position of all water pipes, drainage pipes, electrical cables, conduits, gas lines, telephone cables and the like. The Authorized Operator will not be responsible for any repairs that might arise due to our inadvertent penetration of such items.*
- n) *Client/ User's Participation to Assist the Process Minimise conditions attractive to termites by:*
  - i. Removing any loose timber, trash and areas of direct wood to soil contact around your property.
  - ii. Fixing faulty plumbing, leaks, or dampness caused by poor drainage.
  - iii. Removing any dead trees and stumps since they are nesting sites for subterranean termites.
  - iv. Raking garden beds away from structures to expose weep holes and the edge of concrete slabs.

	<p>v. Replacing untreated timber in the garden or retaining walls with termite resistant materials.</p> <p>o) Access: The Authorized Operator shall be given reasonable access to the grounds of your property on a periodic basis. The Authorized Operator shall exercise due diligence in acquiring from the client a reasonably agreeable convenient date and time, for any purpose contemplated by or made necessary by this Agreement to ensure product effectiveness, including but not limited to inspecting and monitoring stations. However, if the client fails to allow treatment by the Authorized Operator for any of the regular scheduled visits as provided for in the agreement, Client deems the treatment obligation sufficiently delivered; and thereby allows the Authorized Operator to collect payment as scheduled without further need to demand for payment of such. Furthermore, failure to allow access will result to cessation of service guarantees or warranties, if any.</p>	
	Chemical odor: preferably odorless to less odorous pesticide where odor may be gone after two (2) hours of aeration (maximum).	

**SCOPE OF WORK FOR TERMITE BAITING SYSTEM WITH INTEGRATED PEST MANAGEMENT:**

ITEM	SCOPE OF WORK	COMPLIANCE
1	<b>PERIMETER Portion of the Structure with Soil and/or Landscape:</b>	
	1.1 Placement of Termite Baiting Stations with timber interceptors along the perimeter of the structures to be protected spaced approximately 5 meters apart. <i>Note/s: TIBS stations will not be placed along the perimeter with zero clearance (firewall to firewall). Not unless the client approves the installation of TIBS stations inside the structure along the perimeter with zero clearance condition.</i>	
	1.2 Placement of Termite Attractant onto the ground prior to installation of TIBS stations to increase rate of termite interception.	
2	<b>PERIMETER Portion of the Structure with Concrete Slab:</b>	
	2.1 <b>CONCRETE Perimeter:</b> Boring of holes along the covered structure's concrete perimeter using rotary hammer with drill bit size of 16mm, 33 cm apart to ensure a gap-free barrier around the structure. Bored holes on concrete areas will be covered using colored cement (similar to the color of the floor) after treatment. 2.2 Application of the termiticide solution, using the following equipment such as soil injector, power sprayer and manual sprinklers whatever is applicable. Please refer to termiticide profile above for the active ingredient, application and dilution rates.	
3	<b>INTERIOR Portion of the Structure and Active Termite Sites within the Structure.</b>	
	3.1 A thorough inspection of the entire structure will be conducted to locate any termite activity 3.2 Upon discovery of termite activity, treatment will be conducted immediately via spot-treatment using a non-repellant termiticide via injection, and/ or the use of termite baiting system, when and where needed. Visits for treatment, on the active termite site/s, will be conducted until colony is eliminated.	

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Supplier's Authorized Representative Signature Over Printed Name.

Designation: \_\_\_\_\_