



REPUBLIC OF THE PHILIPPINES

Department Of Health

National Center for Mental Health



TERMS OF REFERENCE	
PROJECT TITLE	PEST CONTROL SERVICES FOR CY 2024
Approved Budget for the Contract	The National center for Mental Health (NCMH) has an approved budget for the Contract (ABC) amounting to Two Million Pesos (PHP 2,000,000.00).
Period of Performance	The period of performance for this scope work is <u>January 01 to December 2024.</u>
SCOPE OF WORK	National Center for Mental Health (NCMH) shall set the regular schedules for pest control services to be carried out by the Contractor.

RESIDUAL SPRAYING	This shall be treatment of residual pesticides to critical areas and breeding harborages of cockroaches, carpet beetles, bedbugs, ants and other crawling insect pest.
THERMAL FOGGING	This shall be the application of vaporized formulated insecticidal thermal fog that stay in the air for some tome. This treatment shall be done on the immediate surroundings areas of the hospital buildings which includes are garden, garbage areas, stagnant water, pest breeding area within the premises and the drainage systems.
MISTING	This shall be treatment of broad-spectrum insecticides with the use of an electro-mist aerosol machine which transform spray into microns (Ultra-fine chemical droplets) for an effective control of mosquitoes, flies and other flying insects pests. This will be done inside the premises of the hospital buildings, whenever necessary.

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RODENT CONTROL	This shall be the application of rat track and rat baits (anti-coagulant rodenticides) to all breeding areas and avenues of rat and mice. When this method shall be effective, rat adhesive glue and mechanical traps shall be applied by attracting rats and mice to step into it caught alive.
TERMITE CONTROL	This shall be a quarterly inspection throughout the premises National Center for Mental Health, and if necessary, application of chlorinated hydro-carbon dust (anti-termite powder) thru dusting to infested area or simply called spot treatment against termite infestation. Should be quarterly treatment.
TERMITE MOUND EXTERMINATION	All termite mounds within the compound of NCMH shall be excavated and exterminated and must attain 2 meters height since these are the origin of termite workers infesting the wooden structures of the hospital building.
CAT AND DOG CONTROL	This shall be placing of mechanical cat and dog traps to areas frequented by cats and dog with food bait inside these traps to attract them and caught alive. Proper sealing on the point of entries of these pesky cats and dogs should be made at least avoid and / or minimize their entry to the inside premises of the hospital buildings at your account.

Termite Colony Elimination (Above Ground Baiting)

- Install termite baiting at affected areas.
- Conduct twice a month monitoring of baits and replenish for a period of three (3) months
- Upon elimination of termites through baits, conduct spot spraying in all areas Affected
- Areas to be installed Above Ground Bait:
 1. Pavilion 11
 2. Pavilion 18
 3. Pavilion 25

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4. Pavilion 27
5. Pavilion 28
6. Pavilion 34
7. Laundry Building
8. Administration Building

PEST MANAGEMENT STRATEGIES

CHEMICALS/ PESTICIDES AND INSECTICIDES APPLICATION

TERMITE CONTROL

- Application of repellent insecticide solution into affected areas where active termites have been located and identified such as the outside perimeter of the structures, garden trees and all flooring outside the pavilion that made of soil.
- Application of insecticide will be done using power sprayer and will inject chemical Underneath of the cemented/soil to control active infestation and surface spraying of other affected areas for added protection.
- Other susceptible areas and entry points will also be treated through spot spraying to prevent manifestations of a secondary termite colony in the future.
- Chemical barrier and spot spraying treatment will be done twice a month at the following areas:

1. Pavilion 1-15
2. Pavilion 18-28
3. Pavilion 30, 34-35
4. Chapel
5. Staff cottages
6. Women's and Men's Dormitory
7. Bagong Silang Special School
8. Activity Therapy Section (Compound)
9. Medical Records and Social Service Area
10. Sanitation Section
11. Planning and Development Section and Quality Management Office
12. Engineering Compound
13. Laundry Area
14. NCMH Activity Center
15. Administration building

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- A-2. Use pyrethroid chemical to flush cockroaches and determine their exact Locations or harborages.
- Surface/Spot Treatment Application of pesticide to identified small areas infestation. Insecticide is applied on surfaces so that crawling insects (e.g. cockroaches, ants, beetles, etc.) will walk across the surface and pick up an effective insecticide dose.

Insecticidal Bait Application

The technique is designed to apply cockroach bait and other crawling insects bait near harborages and aggregation areas, such as electrical wiring, telephone apparatus, and the like, using an adequate system of instruments.

II. RODENT CONTROL

A. Inspection

Conduct regular inspection of all potential harborages and food sources rodents such as pipe chase, basement areas, behind appliances and point of entries, as well as regular inspection of all bait traps and bait stations.

Regularly check the outside perimeter of the building for possible rat harborages such as sewage drains, refused food storage, construction materials and the like.

Twice a month treatment, spraying application of rat baits and disposal of dead rats at all vicinity, offices and clinical areas of the hospital as needed.

B. Baiting

Install bait stations in hidden places and strategic locations where rodents usually search for food, roam around and congregate.

Set up pipe bait station along the outside perimeter of the building to anticipate rodent problems.

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C. Trapping

Twice a month treatment as needed, place a mechanical cat and dog traps and disposal/endorsement of caught stray cats and dogs at the hospital premises.

Install cage traps, glue board, snap and other mechanical devices to augment the baiting technique.

III. FLYING INSECT CONTROL

INSPECTION

Thoroughly inspect the entire premises to determine the degree of infestation, entry points and unforeseen breeding sites of mosquitoes and other flying insects.

A. Misting

Use misting machines inside the offices as said machines disperse minute droplets of insecticide solution in an aerosol range to attain minimum penetration of hard-to-reach or inaccessible area to control mosquitoes and other flying insects.

B. Larviciding

Apply larvicide upon stagnant water, e.g., rain drains and other possible water reservoir, which pose as a breeding source of mosquitoes.

C. Thermal Fogging

Application of vaporized formulated insecticidal thermal fog that stay in the air for some time. This treatment shall be done on the immediate surroundings areas of the hospital buildings which includes the garden, garbage areas, stagnant water, pest breeding area within the premises and the drainage systems.

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DURATION:

The contract shall be effective for a period of one (1) year and shall commence immediately upon signing of the contract.

OTHER TERMS AND CONDITIONS:

1. The contractor shall warrant the services to be rendered will effectively exterminate any and all pest, insects and rodents without the visible presence and disturbing odor of smoke and fumes. Should NCMH find the services to be ineffective as evidenced by the continuous presence of termites, cockroaches, mice and other common house pests and insects, NCMH reserves the right to terminate the contract. In such case, NCMH shall not be obliged to pay the contractor for services rendered.
2. The contractor shall warrant that only chemicals duly approved by the FDA and/or other government agencies regulating the use and licensing of chemicals will be used.
3. The contractor shall warrant that all preparations and formulations, including the use thereof, will be in accordance with the specifications of its toxicologist, pyrethroid insecticides that are biodegradable in nature and only chemicals certified by the proper government authorities are safe shall be used.
4. The contractor shall agree that only honed, skilled and well-trained service technicians will be assigned to the NCMH premises to ensure correct treatment of pests and proper application of chemicals. (To submit Certificate of Training of employees)
5. The contractor shall warrant within 30 days from the date of scheduled service is rendered, extra service call, when situation so warrants, will be done free of charge.
6. The contractor shall agree that the required services shall be conducted as per scheduled by NCMH as may be determined by NCMH officials, in order not to disturbed or disrupt personnel and patients' activities. The contractor

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shall exercise extraordinary diligence in the performance of its services to ensure that no illness, accident and/or any of its employees, patients or guests.

7. The contractor shall assume full responsibility for any claim of liability that may arise by reason of illness, accident and/or damage due to any or all acts of omission, negligence or fault of the contractor and its agents, thereby rendering NCMH free and exempt from any such claim or liability.
8. The contractor shall agree and obey to all NCMH policies especially for our patient's safety and confidentiality.
9. The contractor shall provide on-call service in between schedule without additional cost to NCMH, including performing immediate special or additional service should there be a sudden outbreak of infestation at the NCMH premises, also at no cost to NCMH.
10. The contractor shall assign a work force at least five (5) personnel sufficient to carry out or implement the service specifications.
11. The contractor shall visit the NCMH premises once a month or wherever necessary to undertake the following: a.) coordinate with NCMH's authorized representatives in evaluating the effectiveness of the contractor's pest control services, b) provide on-the-job technical training on pest control and management, handling and application of chemicals and other related matters to concerned NCMH personnel.
12. The contractor shall submit a certified true copy of MOA with the legitimate Animal Shelter.

Prepared by:

FREDERICK FELIX B. VILLAFLOR, MPA
Administrative Officer V

Recommending Approval:

JERRY C. RODRIGUEZ, MGM-ESP
Chief, Hospital Operations and Patient Support

Approved by:

NOEL V. REYES, MD, FPPA, MMHoA
Medical Center Chief II

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