SAMPLE CONTRACT SPECIFICATIONS FOR MOSQUITO AND RODENT SURVEILLANCE AND CONTROL AT CONSTRUCTION SITES

Technical Specifications

1 GENERAL

The Contract Specifications shall be read in conjunction with the Conditions of Contract and all other documents included in this Contract. The Contractor shall be bound by all Contract Documents referred to in the Tender and shall be deemed to have made himself acquainted with all such documents before tendering for the Contract, as no claim of lack of knowledge in this aspect will be entertained.

2 DEFINITIONS

For the purpose of this Contract,

"Mosquito" in the Contract means the adult mosquito, including its egg, larva and pupa capable of carrying or causing any disease to human beings.

"Rodent" refers to but not limited to the common rat and mouse species and their young found in Singapore such as sewer rat, roof rat and house mouse.

"Permanently destroy" refers to treatment, removal and eradication of mosquito and rodent.

"Superintending Officer" (or the initial S.O.) means construction site management or authorised representative and also such person or persons as may be deputed by him in writing to act on his behalf for the purpose of this Contract.

3 SCOPE OF SERVICE

The contract is for the provision of mosquito and rodent surveillance and control services prior to and throughout the entire construction duration/project/contract for the following:

- To detect and permanently destroy the mosquito breeding and harbouring sites
- To provide rodent control services to eradicate rodents and harbouring sites
- To provide advice on interim or permanent measures for the destruction of potential breeding and harbouring sites of mosquitoes and rodents

This contract service shall include all areas within the construction site, and not limited to the following:

- a) Construction area
- b) Apron of buildings
- c) Building structure (includes all levels of built-up areas)
- d) Storage Yard/Machinery parking area
- e) Carpark
- f) Bin centre
- g) Vehicle wash bay
- h) Office
- i) Workers' Quarters/Canteen

The contractor shall provide all manpower, materials, equipment and everything else necessary to carry out the services in accordance with the Contract Specifications and the Conditions of Contract.

4 MOSQUITO CONTROL SERVICES

4.1 Service Requirement

The contractor shall conduct baseline survey at different phases of construction to identify the state of the breeding and environment irregularities/lapses that contributed to the breeding. All mosquito breeding found during the inspection shall be destroyed and removed. All potential breeding habitats should be treated with insecticide if habitat cannot be removed. All breeding detected and potential breeding habitats observed should be reported to the construction site management so that appropriate interim or permanent measures can be taken to eliminate these potential breeding grounds.

Fogging is to be carried out only when there is adult mosquito nuisance or a disease outbreak.

4.2 Work and Service Standards

The Contractor shall ensure that his staff are in standard uniform and equipped with proper, working and usable tools, including but not limited to:

- a) dippers;
- b) sample bottles;
- c) torches;
- d) pipettes;
- e) devices for lifting up drain covers and inspection chamber covers;

for the detection and destruction of mosquito.

Where fogging is to be carried out, the Contractor shall cover all overflow outlet pipes leading to water tanks of all buildings within the fogging area, to prevent contamination of water. The covers shall be removed after fogging is completed.

The Contractor shall carry out the frequency of surveillance to all areas within the construction as mentioned in **Annex A1** as a minimum guide, but contractor may

increase its frequency or conduct surveillance to other areas when deemed necessary or as instructed by S.O.

In the event of an emergency situation/disease outbreak, intensified surveillances are to be carried out as instructed by S.O. The Contractor shall be paid in accordance to the rates in the Schedule of Rates shown in **Annex B**.

4.3 Work Report

The Contractor shall furnish a full <u>baseline report</u> for all potential breeding habitats and environmental irregularities detected in the format as shown in **Annex C1 (Sample Baseline Report)** to the S.O. by the second week after the commencement of the contract or each construction stage.

The Contractor shall furnish a service report for all mosquito control services performed at the end of each service in the format as shown in **Annex D1 (Sample Service Report)** to the S.O. It shall also recommend specific solutions to prevent mosquito breeding such as building design details, structural modifications, repairs, housekeeping programmes, user habits and any other factors that have direct bearing on mosquito breeding. Photos of each breeding or structural defect and the respective treatment taken from different perspectives/angles are required to be included in the reports. The S.O. reserves the right to withhold any payment to the Contractor if he does not receive any service report from the Contractor or if the report is late or the Contractor does not comply with the specified work scope.

5 RODENT CONTROL SERVICES

5.1 Service Requirement

The Contractor shall be responsible to:

- a) Carry out a baseline survey to identify the state of rodent infestation, signs of rodent infestation e.g. droppings, rub marks, gnaw marks, live rodents etc. and environmental irregularities/lapses that contributed to the infestation. The following should be carried out:
 - I. Inspect all areas within the construction site e.g. bin centre, workers' quarters, storage yard, building structure, etc.
 - II. Identify rodent burrows/nests in the immediate surroundings e.g. landscape areas, grass verge/gardens/parks
 - III. Gather information on signs of rodent activity from stakeholders
 - IV. Identify irregularities detected in housekeeping, storage and waste disposal that are contributing to rodent infestation and make recommendations for rectification/follow-up action by S.O.
 - V. Identify potential rodent entry/exit points and make recommendations for rectification/follow-up actions by S.O.
 - VI. Highlight signs of rodent infestation (e.g. rub marks, rodent droppings, burrows, etc.)

- VII. Use of special equipment e.g. night vision infrared camera and borescope to verify status of rodent infestation, if necessary
- VIII. Carry out any other forms of rodent surveillance, where necessary or as instructed by S.O.
- b) Carry out treatment to destroy rodents in all stages of their life-cycle:
 - I. Carry out indoor treatment by using trapping devices e.g. glue and cage traps at strategic locations where rodent activities have been detected.
 - II. Carry out outdoor treatment by deploying tamper-resistant bait stations (with rodenticide baits, provided safety is not compromised) at high risk location(s)
 - III. Remove carcasses of dead rodents, disinfect and deodorise area accordingly
 - IV. Seal all inactive rodent burrows in the outdoors one (1) month after completion of treatment
 - V. Carry out night inspections and treatment as and when necessary
- c) In the event of heavy rodent infestation (e.g. repeated rat sightings in a specific area as defined by S.O.), the contractor shall carry out intensified containment measures.
- d) Investigate and carry out rodent treatment after receiving feedbacks and/or notifications on rodents by the public or S.O. Activations for such services should be attended to no later than _____ (service buyer to determine the response time) after receiving the feedback and/or notifications. A thorough investigation is also to be carried out to determine the cause(s) of infestation. Such activities are to be reported to the S.O. upon completion as well as reported in the service report.
- 5.2 Work and Service Standards

The contractor shall ensure that his staff are equipped with proper tools, pesticides and any other materials/equipment that is necessary for all services specified in the Contract.

All pesticides, regardless of packaging, shall be placed either in locations not accessible to children, pets, wildlife and domestic animals, or in tamper-resistant bait stations.

If bait stations are used, the Contractor shall ensure:

- a) All bait stations are placed out of the general view, and in locations where they will not be interfered or be disturbed during routine operations
- b) The lids of all bait stations are securely locked or fastened and only authorised personnel will be able to open them
- c) All bait stations are securely attached or anchored to floor, ground, wall or other immovable surface, so that they cannot be easily removed
- d) Baits are secured in the feeding chamber of the stations and not placed at the exit hole of the stations or along the rat runway

e) All bait stations are properly labelled with the Contractor's business name and telephone number with the words "Rodent Bait Station, Do Not Remove" printed on it

The Contractor shall submit a proposal for rodent control programme for the area within the construction site and should include the following:

- a) Define the location and extent of the service areas defined in **Annex A2** and to include other areas, if any, based on the layout plan provided by S.O.
- b) Service Report (including photographs of affected areas) on pest situation (no. of rodent, species caught etc.) and advice on housekeeping and rat-proofing measures
- c) Night surveillance and control recommended
- d) Option for 'Intensive Treatment' depending on rodent situation
- e) Sketch plans showing all rodent monitoring stations, including traps and outdoor tamper resistant baiting stations, etc., if applicable

The Contractor shall carry out the frequency of surveillance to all areas within the construction site as mentioned in **Annex A2** as a minimum guide, but contractor may increase its frequency or conduct surveillance to other areas when deemed necessary or as instructed by S.O.

In the event of heavy rodent infestation, intensified rodent treatment and containment measures are to be carried out as instructed by S.O. The Contractor shall be paid in accordance to the rates in the Schedule of Rates shown in **Annex B**.

5.3 Work Report

The Contractor shall furnish a full <u>baseline report</u> for all rodent burrows, activity and environmental irregularities detected in the format as shown in **Annex C2 (Sample Baseline Report)** to the S.O. by the second week after the <u>commencement</u> of the contract or at the beginning of each construction stage.

The Contractor shall furnish a service report for all rodent control services performed at the end of each service in the format as shown in **Annex D2-1 (Sample Service Report)** to the S.O. It shall also recommend specific solutions to prevent rodent infestation such as building design details, structural modifications, repairs, housekeeping programmes, user habits and any other factors that have direct bearing on rodent infestation. Photos of each rodent burrow or structural defect and the respective treatment to eradicate rodents taken from different perspectives/ angles are required to be included in the reports. At the end of each month, the Contractor shall furnish a monthly service report in the format as shown in **Annex D2-2 (Sample Monthly Service Report)**. The report shall consolidate the findings and the outcomes of the action taken for the month. The S.O. reserves the right to withhold any payment to the Contractor

6 EMPLOYMENT OF QUALIFIED AND LICENSED PERSONNEL

The Contractor shall ensure that no unlicensed vector control technicians or uncertified vector control workers are to be employed by him or any sub-contractor, in the execution of any part of the works. The Contractor shall note that the employment of any unlicensed/uncertified vector control technicians/workers to carry out vector control work is a breach of the Control of Vectors and Pesticides Act, Chapter 59 (CVPA).

The Contractor shall engage supervisors and technicians to ensure the efficient execution of the works to the satisfaction of the S.O. They shall also carry out all instructions/ directions issued by the S.O. and such instructions/ directions shall be deemed to be instructions/directions given to the Contractor.

The Contractor shall submit a list of names and NRIC/FIN of all the technicians and workers to be deployed by him under the Contract according to the format in **Annex E** (Vector Control Technicians/Workers Employed by Contractor) before the commencement of the contract and shall ensure that only such licensed technicians or certified workers are to be deployed for all Works carried out under the Contract. The Contractor shall provide an updated manpower list to the S.O. as and when there are changes in deployment arrangements or when the S.O. requires.

7 PESTICIDES & SAFETY DATA SHEETS

Upon taking over the service site(s), the Contractor shall select and decide on the appropriate type of pesticides to be used for all treatment/maintenance. The Contractor shall provide updated Safety Data Sheets (SDS) for all pesticides proposed to be used during vector control services at the construction sites, for inspection by the authority or S.O. upon demand. Should there be a change of pesticides used during the contract period, the Contractor shall submit new updated SDS and inform S.O. on the new selection.

The contractor shall also take the initiative to update the S.O. with new and updated SDS should the existing SDS become invalid.

The pesticides used shall comply with the regulations under Section 7 of the Control of Vectors and Pesticides Act (Chapter 59), and applied according to the label instructions.

8 SAFETY PRECAUTIONS

The Contractor shall provide all personnel working at the service areas designated under the Contract, distinctive and proper attire and appropriate footwear etc., and ensure that they are worn. Any additional personal protective equipment required for the safe performance of work must be determined and provided by the Contractor in accordance with recommendations on the SDS for each pesticide. The Contractor shall be responsible to take every safety precaution to eliminate dangers to his vector control technicians/ workers, the general public and property of others or any other guidelines specified by the Ministry of Manpower. The Contractor must not compromise on the safety measures taken on site and shall ensure that there shall be no incidents of safety issues or breaches.

Annex A1 - Mosquito

Mosquito Control Service Schedule

Phase I: Site Work

| Area | Specific Areas | Work | Frequency |
|---------------------------|-------------------------------------|---|-------------------------|
| | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Ground puddles | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Bottom of barriers | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| Construction | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| Area | Trenches | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Sump pits/ Silt | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | traps | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Drains/ temporary channels | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| | Building materials | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| Otomo no Mond | Water storage containers/ drums | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| Storage Yard | | Ensure water storage containers/drums are covered. | At least weekly |
| | Lids of paint cans | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Demolished debris | Search and destroy stagnant water and/ or mosquito breeding | At least fortnightly |
| | | Remove and dispose of any discarded receptacles properly into a bin. | At least fortnightly |
| Bin Centre | Bulky waste | Search and destroy stagnant water and/ or mosquito breeding | At least fortnightly |
| | containers/ bins/ skip tanks | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least fortnightly |
| Mashinan | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| Machinery Parking Area | Equipment/ machinery parts | Apply anti-mosquito oil to parts that may collect water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| Vehicle Wash Bays | Perimeter drains/ scupper drains | Apply anti-mosquito oil to parts that may collect water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| Office | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |

| | Roof of freight containers/ ground below containers | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | At least weekly |
|----------|---|--|-----------------|
| | Air con drip tray | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Roof of containers/ ground below containers | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | |
| Workers' | Air con drip tray | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| Quarters | Ground puddles | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Toilet cisterns | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Gully/ Floor Traps | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |

Phase II: Foundations / Sub-structure

| Area | Specific Areas | Work | Frequency |
|----------------------|-----------------------------|---|-------------------------|
| | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Ground puddles | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito breeding | At least weekly |
| | Bottom of barriers | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Construction Area | Trenches | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Sump pits/ Silt traps | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Drains/ temporary channels | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin. | At least weekly |
| | Concrete Test Cube Tanks | Apply BTI briquettes | At least monthly |
| | Building materials | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Storago Vard | Water storage | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Storage Yard | containers/ drums | Ensure water storage containers/drums are covered. | At least weekly |
| | Lids of paint cans | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Bin Centre | Demolished debris | Search and destroy stagnant water and/ or mosquito | At least fortnightly |

| | | Remove and dispose of any discarded receptacles | At least fortnightly |
|---------------------------|---|---|-------------------------|
| | Bulky waste | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| | containers/ bins/ skip tanks | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| Machinany | Equipment/ | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Machinery Parking Area | machinery parts | Apply anti-mosquito oil to parts that may collect water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| Vahiala | Perimeter drains/ | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Vehicle Wash Bays | scupper drains | Apply anti-mosquito oil to parts that may collect water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Roof of freight containers/ ground below containers | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Office | | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | At least weekly |
| | Air con drip tray | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Roof of containers/ ground below containers | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | At least weekly |
| Workers' | Air con drip tray | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Quarters | Ground puddles | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Toilet cisterns | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Gully/ Floor Traps | Search and destroy stagnant water and/ or mosquito | At least weekly |

Phase III: Superstructure

| Area | Specific Areas | Work | Frequency |
|-----------------------------------|-----------------------|---|-----------------|
| | Ground puddles | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Bottom of barriers | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Apron of Building Structure | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Trenches | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Sump pits/ Silt traps | Search and destroy stagnant water and/ or mosquito | At least weekly |

| | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
|--|--------------------------------------|---|-------------------------|
| | Drains/ temporary channels | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Discarded receptacles | | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| | Concrete Test Cube | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Tanks | Apply BTI briquettes | At least monthly |
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Lift pits | Apply anti-mosquito oil to stagnant water (which cannot be removed) and reapply after heavy rain | At least weekly |
| Building Structure | Dorticilly completed | Search and destroy stagnant water and/ or mosquito | At least weekly |
| (includes all levels of built-up | Partially completed planter boxes | Apply anti-mosquito oil to stagnant water (which cannot be removed) and reapply after heavy rain | At least weekly |
| areas) | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| | Ground depression/ | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | ponding | Apply anti-mosquito oil to stagnant water (which cannot be removed) and reapply | At least weekly |
| | Building materials | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Storage Yard | Water storage containers/ drums | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Storage Taru | | Ensure water storage containers/drums are covered. | At least weekly |
| | Lids of paint cans | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Demolished debris | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| | | Remove and dispose of any discarded receptacles | At least fortnightly |
| Bin Centre | Bulky waste | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| | containers/ bins/ skip tanks | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least fortnightly |
| Maahinan | Fauinment/ | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Machinery Parking Area | Equipment/ machinery parts | Apply anti-mosquito oil to parts that may collect water and re-apply after heavy rain | At least weekly |
| Vahiela | Perimeter drains/ | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Vehicle Wash Bays | Perimeter drains/ scupper drains | Apply anti-mosquito oil to parts that may collect water and re-apply after heavy rain | At least weekly |
| Office | Roof of freight containers/ ground | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Office | below containers | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | At least weekly |

| | Air con drip tray | Search and destroy stagnant water and/ or mosquito | At least weekly |
|----------|----------------------------|--|-----------------|
| | Roof of containers/ | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | ground below containers | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | At least weekly |
| Workers' | Air con drip tray | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Quarters | Ground puddles | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Toilet cisterns | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Gully/ Floor Traps | Search and destroy stagnant water and/ or mosquito | At least weekly |

Phase IV: Façade

| Area | Specific Areas | Work | Frequency |
|---|--|---|-------------------------|
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Ground puddles | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Apron of Building Structure | Bottom of barriers | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Sump pits/ Silt traps | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| | Lift pits | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Building | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and reapply after heavy rain | At least weekly |
| Structure (includes all levels of | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| built-up) | Partially completed planter boxes | Apply anti-mosquito oil to stagnant water (which cannot be removed) and reapply after heavy rain | At least weekly |
| | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| | Building materials | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Storogo Vord | Water storage | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Storage Yard | containers/ drums | Ensure water storage containers/drums are covered. | At least weekly |
| | Lids of paint cans | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Bin Centre | Bulk waste containers/ bins/ skip tanks | Search and destroy stagnant water and/ or mosquito | At least fortnightly |

| | | Apply anti-mosquito oil to stagnant | |
|----------------|---|--|-----------------|
| | | water (which cannot be removed) and | At least |
| | | re-apply after heavy rain | fortnightly |
| | | Search and destroy stagnant water | At loost woold |
| Machinery | Equipment/ machinery | and/ or mosquito | At least weekly |
| Parking Area | parts | Apply anti-mosquito oil to parts that | |
| r anning / rea | parts | may collect water and re-apply after | At least weekly |
| | | heavy rain | |
| | | Search and destroy stagnant water | At least weekly |
| Vehicle | Perimeter drains/ | and/ or mosquito | , |
| Wash Bays | scupper drains | Apply anti-mosquito oil to parts that | At least weekly |
| | | may collect water and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water | |
| | Roof of freight containers/ ground below containers | and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to ground below | |
| Office | | containers and re-apply after heavy | At least weekly |
| | | rain | , |
| | Air con drip tray | Search and destroy stagnant water | At least weekly |
| | | and/ or mosquito | |
| | Roof of containers/ ground below containers | Search and destroy stagnant water | At least weekly |
| | | and/ or mosquito | |
| | | Apply anti-mosquito oil to ground below | At least weekly |
| | | containers and re-apply after heavy rain | , |
| | | Search and destroy stagnant water | |
| Workers' | Air con drip tray | and/ or mosquito | At least weekly |
| Quarters | | Search and destroy stagnant water | |
| | Ground puddles | and/ or mosquito | At least weekly |
| | Toilot oistorne | Search and destroy stagnant water | At loost wookly |
| | Toilet cisterns | and/ or mosquito | At least weekly |
| | Gully/ Floor Traps | Search and destroy stagnant water | At least weekly |
| | Guily/ Floor Traps | and/ or mosquito | At least weekly |

Phase V: Interior Construction

| Area | Specific Areas | Work | Frequency |
|---|--------------------------|---|-----------------|
| | Ground puddles | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Apron of Building Structure | Bottom of barriers | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Sump pits/ Silt traps | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| Building Structure (includes all levels of built-up areas) | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |

| | Bulky waste | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
|------------|---|---|-------------------------|
| Bin Centre | containers/ bins/ skip tanks | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least fortnightly |
| | Roof of freight | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Office | containers/ ground below containers | Apply anti-mosquito oil to ground below containers and re-apply after heavy rain | At least weekly |
| | Air con drip tray | Search and destroy stagnant water and/ or mosquito | At least weekly |

Phase VI: Commissioning

| Area | Specific Areas | Work | Frequency |
|---|---|--|-------------------------|
| | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Bottom of barriers | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |
| Apron of Building Structure | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| | Key holes or gaps on the covers of subterranean | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | pits and chambers | Apply slow-release larvicide | At least fortnightly |
| | Open and closed perimeter drains | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Building Structure (includes all levels of built- up areas) | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| Car Park | Hollows in aeration slabs/ car park drains | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| | Perimeter drains/ scupper drains | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| | Gully traps | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| Bin Centre | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least fortnightly |
| | Roof gutters/ roof tops | Search and destroy stagnant water and/ or mosquito | At least fortnightly |

Phase VII: Grading, Improvements and Landscaping

| Area | Specific Areas | Work | Frequency |
|-----------------------------------|--------------------|--|-----------------|
| Annon of | | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Apron of Building Structure | Bottom of barriers | Apply anti-mosquito oil to stagnant water (which cannot be removed) and re-apply after heavy rain | At least weekly |

| | | Remove and dispose of any | |
|---|---|---|-------------------------|
| | Discarded receptacles | discarded receptacles properly into a bin | At least weekly |
| | Key holes or gaps on the covers of subterranean | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | pits and chambers | Apply slow-release larvicide | At least fortnightly |
| | Open and closed perimeter drains | Search and destroy stagnant water and/ or mosquito | At least weekly |
| Building Structure (includes all levels of built- up areas) | Discarded receptacles | Remove and dispose of any discarded receptacles properly into a bin | At least weekly |
| Landscaped | Tree holes and bifurcations between branches and thick leave axils | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| Areas | Ground puddles | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| | Bushes/ flower beds | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| Car Park | Hollows in aeration slabs/ car park drains | Search and destroy stagnant water and/ or mosquito | At least weekly |
| | Perimeter drains/ scupper drains | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| Dia Contac | Gully traps | Search and destroy stagnant water and/ or mosquito | At least fortnightly |
| Bin Centre | Discarded receptacles | Remove and dispose of any discarded receptacles | At least fortnightly |
| | Roof gutters/ roof tops | Search and destroy stagnant water and/ or mosquito | At least fortnightly |

Annex A2 – Rodents

Rodent Control Service Schedule

Phase I: Site Work

| Area | Specific Areas | Work | Frequency Carry out treatment immediately if active infestation is detected. To follow-up weekly until infestation is eliminated |
|---------------------------|-----------------------------------|---|---|
| | Open Area | Check for active burrows Check for rodent activity Check for fresh rodent droppings | |
| Construction Area | Sump pits/ Silt traps | Check for rodent activity Check for fresh rodent droppings | |
| | Drains/ temporary channels | Check for rodent activity Check for fresh rodent droppings | |
| | Building materials | Check for rodent activity Check for grease marks or rub marks Check for gnaw marks Check for fresh rodent droppings | |
| Storage Yard | Roofs/ False Ceiling | Check for rodent nest Check for rodent activity Check for fresh rodent droppings Check for gaps/ cracks for rodent entry point | |
| | Meter/ Switch box | Check for grease marks or rub marks Check for gnaw marks Check for fresh rodent droppings | At least monthly |
| | Walls/ door gaps/ beam/ floors | Check for grease marks or rub marks Check for gnaw marks Check for fresh rodent droppings | |
| | Demolished debris | Check for rodent activity Check for grease marks or rub marks Check for gnaw marks Check for fresh rodent droppings | |
| Bin Centre | Bulky waste containers/ bins | Check for rodent activity Check for grease marks or rub marks Check for gnaw marks Check for fresh rodent droppings | |
| Machinery Parking Area | Equipment/ machinery parts | Check for grease marks or rub marks Check for gnaw marks | |

| | | Check for fresh rodent | |
|---------------|--|--|------------------|
| | Landagana araga/ | droppings Check for active burrows | |
| | Landscape areas/ flower beds/ planted | Check for active burlows | |
| | areas | Check for runways | |
| | | Check for rodent nest | |
| | | Check for rodent activity | |
| | Roofs/ false ceilings | Check for fresh rodent | |
| | | droppings | |
| | | Check for gaps/ cracks | |
| | | for rodent entry point | |
| | | Check for grease marks | |
| | Walls/ door gaps/ | or rub marks | |
| Office | beam/ floors | Check for gnaw marks Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | | or rub marks | |
| | Meter/ Switch box | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | Dinas and other | or rub marks | |
| | Pipes and other fixtures | Check for gnaw marks | |
| | lixiules | Check for fresh rodent | |
| | | droppings | |
| | Landscape areas/ | Check for active burrows | |
| | flower beds/ planted areas | Check for runways | |
| | | Check for rodent nest | |
| | | Check for rodent activity | |
| | Roofs/ false ceilings | Check for fresh rodent | At least monthly |
| Workers' | Rouis/ laise ceilings | droppings | |
| Quarters – | | Check for gaps/ cracks | |
| Service/ | | for rodent entry point | |
| dining areas | | Check for grease marks | |
| (including | Walls/ door gaps/ | or rub marks | |
| outdoor area) | beam/ floors | Check for gnaw marks | |
| , | | Check for fresh rodent | |
| | | droppings Check for grease marks | |
| | | or rub marks | |
| | Meter/ Switch box | Check for gnaw marks | |
| | Motor Ownon box | Check for fresh rodent | |
| | | droppings | |
| | | Check for gaps/ cracks | |
| | | for rodent entry point | |
| | Roofs/ false ceilings/ | Check for rodent nest | |
| | runways | Check for fresh rodent | |
| Workers' | | droppings | |
| Quarters – | | Check for grease marks | |
| Kitchen/ Food | Pipes and other | or rub marks | |
| preparation & | fixtures | Check for gnaw marks | |
| Storage Area | | Check for fresh rodent | |
| | | droppings | |
| | Walls/ door gaps/ | Check for grease marks | |
| | beam/ floors | or rub marks | |
| | | Check for gnaw marks | |

| | Check for fresh rodent |
|-------------------|------------------------|
| | droppings |
| | Check for grease marks |
| | or rub marks |
| Meter/ Switch box | Check for gnaw marks |
| | Check for fresh rodent |
| | droppings |

Phase II: Foundations / Sub-structure

| Area | Specific Areas | Work | Frequency Carry out treatment immediately if active infestation is detected. To follow-up weekly until infestation is eliminated |
|--------------|-----------------------|--|--|
| | | Check for active burrows | |
| | Open Area | Check for rodent activity | |
| | Open Alea | Check for fresh rodent | |
| | | droppings | |
| Construction | | Check for rodent activity | - |
| Area | Sump pits/ Silt traps | Check for fresh rodent | |
| | | droppings | - |
| | Drains/ temporary | Check for rodent activity | - |
| | channels | Check for fresh rodent | |
| | | droppings | |
| | | Check for rodent activity | |
| | | Check for grease marks | |
| | Building materials | or rub marks | |
| | | Check for gnaw marks Check for fresh rodent | |
| | | | |
| | | droppings Check for rodent nest | |
| | | Check for rodent activity | |
| | | Check for fresh rodent | |
| | Roofs/ False Ceiling | droppings | |
| | | Check for gaps/ cracks | - |
| Storage Yard | | for rodent entry point | At least monthly |
| | | Check for grease marks | • |
| | | or rub marks | |
| | Meter/ Switch box | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | Walls/ door gaps/ | or rub marks | |
| | beam/ floors | Check for gnaw marks | |
| | beam, noors | Check for fresh rodent | |
| | | droppings | |
| | | Check for rodent activity | |
| | | Check for grease marks | |
| | Demolished debris | or rub marks | |
| | | Check for gnaw marks | 4 |
| Bin Centre | | Check for fresh rodent | |
| | | droppings | 4 |
| | Dullaumente | Check for rodent activity | 4 |
| | Bulky waste | Check for grease marks | |
| | containers/ bins | or rub marks | 4 |
| | | Check for gnaw marks | |

| | | Chook for freet and and | 1 |
|---------------|---------------------------------------|--------------------------------------|------------------|
| | | Check for fresh rodent | |
| | | droppings | - |
| | | Check for grease marks | |
| Machinery | Equipment/ | or rub marks | - |
| Parking Area | machinery parts | Check for gnaw marks | - |
| J | , , , , , , , , , , , , , , , , , , , | Check for fresh rodent | |
| | | droppings | _ |
| | Landscape areas/ | Check for active burrows | |
| | flower beds/ planted areas | Check for runways | |
| | | Check for rodent nest |] |
| | | Check for rodent activity | |
| | | Check for fresh rodent | |
| | Roofs/ false ceilings | droppings | |
| | | Check for gaps/ cracks | |
| | | for rodent entry point | |
| | | Check for grease marks | - |
| | | or rub marks | |
| | Walls/ door gaps/ | Check for gnaw marks | - |
| Office | beam/ floors | Check for fresh rodent | - |
| | | | |
| | | droppings | 4 |
| | | Check for grease marks | |
| | Motor/ Owitch how | or rub marks | - |
| | Meter/ Switch box | Check for gnaw marks | 4 |
| | | Check for fresh rodent | |
| | | droppings | - |
| | Pipes and other | Check for grease marks | |
| | | or rub marks | _ |
| | fixtures | Check for gnaw marks | |
| | Instarco | Check for fresh rodent | |
| | | droppings | |
| | Landscape areas/ | Check for active burrows | |
| | flower beds/ planted areas | Check for runways | |
| | | Check for rodent nest | |
| | | Check for rodent activity | |
| | Deefe/felee eeilinge | Check for fresh rodent | At least monthly |
| | Roofs/ false ceilings | droppings | |
| Workers' | | Check for gaps/ cracks | |
| Quarters – | | for rodent entry point | |
| Service/ | | Check for grease marks | 1 |
| dining areas | | or rub marks | |
| (including | Walls/ door gaps/ | Check for gnaw marks | |
| outdoor area) | beam/ floors | Check for fresh rodent | 1 |
| | | droppings | |
| | | Check for grease marks | 4 |
| | | or rub marks | |
| | Meter/ Switch box | Check for gnaw marks | - |
| | Meter/ Switch box | | - |
| | | Check for fresh rodent | |
| | | droppings | 4 |
| | | Check for gaps/ cracks | |
| Workers' | Roofs/ false ceilings/ | for rodent entry point | 4 |
| Quarters – | runways | Check for rodent nest | 4 |
| Kitchen/ Food | | Check for fresh rodent | |
| preparation & | | droppings | 1 |
| | Dines and other | Check for grease marks | |
| 2001206 8163 | | | |
| Storage Area | Pipes and other fixtures | or rub marks Check for gnaw marks | |

| | Check for fresh rodent |
|-----------------------------------|------------------------|
| | droppings |
| | Check for grease marks |
| Walle/ dear gene/ | or rub marks |
| Walls/ door gaps/ beam/ floors | Check for gnaw marks |
| beam/ noors | Check for fresh rodent |
| | droppings |
| | Check for grease marks |
| | or rub marks |
| Meter/ Switch box | Check for gnaw marks |
| | Check for fresh rodent |
| | droppings |

Phase III: Superstructure

| Area | Specific Areas | Work | Frequency Carry out treatment immediately if active infestation is detected. To follow-up weekly until infestation is eliminated |
|---------------|-------------------------------------|---------------------------|--|
| | | Check for active | |
| | | burrows | |
| | Open Area | Check for rodent activity | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for rodent activity | |
| Apron of | Sump pits/ Silt traps | Check for fresh rodent | |
| Building | | droppings | |
| Structure | Drains/ temporary | Check for rodent activity | |
| Olidolaio | channels | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | Walls/ gaps/ beams/ floors | or rub marks | |
| | | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | Walls/ gaps/ beams/ | Check for fresh rodent | |
| Building | floors | | At least monthly |
| Structure | nooro | | |
| (includes all | | droppings | |
| levels of | | Check for rodent nest | |
| built-up | | Check for rodent activity | |
| areas) | Roofs/ false ceiling | Check for fresh rodent | |
| , | 1 to 0 to , 1 to 0 to 0 to 1 to 1 g | droppings | |
| | | Check for gaps/ checks | |
| | | for rodent entry point | |
| | | Check for rodent activity | |
| | | Check for grease marks | |
| | Building materials | or rub marks | |
| | | Check for gnaw marks | |
| Storage Yard | | Check for fresh rodent | |
| | | droppings | |
| | | Check for rodent nest | |
| | Roofs/ False Ceiling | Check for rodent activity | |
| | | Check for fresh rodent | |
| | | droppings | |

| | | | 1 |
|----------------------------|-----------------------------------|--|------------------|
| | | Check for gaps/ cracks | |
| | | for rodent entry point | - |
| | | Check for grease marks | |
| | | or rub marks | - |
| | Meter/ Switch box | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | Walls/ door goos/ | or rub marks | |
| | Walls/ door gaps/ beam/ floors | Check for gnaw marks | |
| | beam/ noors | Check for fresh rodent | |
| | | droppings | |
| | | Check for rodent activity | |
| | | Check for grease marks | |
| | | or rub marks | |
| | Demolished debris | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| Bin Centre | | Check for rodent activity | 1 |
| | | Check for grease marks | |
| | Bulky waste | or rub marks | |
| | containers/ bins | Check for gnaw marks | - |
| | containers/ bins | Check for fresh rodent | - |
| | | | |
| | | droppings | |
| | | Check for grease marks | |
| Machinery | Equipment/ | or rub marks | 4 |
| Parking Area | machinery parts | Check for gnaw marks | |
| 5 | 51 | Check for fresh rodent | |
| | | droppings | - |
| | Landscape areas/ | Check for active | |
| | flower beds/ planted | burrows | - |
| | areas | Check for runways | - |
| | | Check for rodent nest | |
| | | Check for rodent activity | |
| | Roofs/ false ceilings | Check for fresh rodent | |
| | | droppings | |
| | | Check for gaps/ cracks | |
| | | for rodent entry point | |
| | | Check for grease marks | At least monthly |
| | Walls/ door gaps/ | or rub marks | - |
| Office | beam/ floors | Check for gnaw marks | - |
| Office | beam/ noors | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | | or rub marks | |
| | Meter/ Switch box | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | | or rub marks | |
| | Pipes and other | Check for gnaw marks | |
| | fixtures | Check for fresh rodent | 1 |
| | | droppings | |
| Workers' | Landscape areas/ | Check for active | 1 |
| Quarters – | flower beds/ planted | burrows | |
| Service/ | areas | Check for runways | 1 |
| | | | |
| | | | |
| dining areas (including | Roofs/ false ceilings | Check for rodent nest Check for rodent activity | |

| outdoor | | Check for fresh rodent | |
|-------------|------------------------|------------------------|------------------|
| area) | | droppings | |
| u. e u) | | Check for gaps/ cracks | |
| | | for rodent entry point | |
| | | Check for grease marks | • |
| | | or rub marks | |
| | Walls/ door gaps/ | Check for gnaw marks | |
| | beam/ floors | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| | | or rub marks | |
| | Meter/ Switch box | Check for gnaw marks | |
| | | Check for fresh rodent | |
| | | droppings | |
| | | Check for gaps/ cracks | |
| | Roofs/ false ceilings/ | for rodent entry point | |
| | | Check for rodent nest | |
| | runways | Check for fresh rodent | |
| | | droppings | |
| | | Check for grease marks | |
| Workers' | Pipes and other | or rub marks | |
| Quarters – | fixtures | Check for gnaw marks | |
| Kitchen/ | lixtures | Check for fresh rodent | |
| Food | | droppings | |
| preparation | | Check for grease marks | |
| & Storage | Walls/ door gaps/ | or rub marks | |
| Area | beam/ floors | Check for gnaw marks | |
| / "00 | | Check for fresh rodent | |
| | | droppings | At least monthly |
| | | Check for grease marks | |
| | | or rub marks | 4 |
| | Meter/ Switch box | Check for gnaw marks | 4 |
| | | Check for fresh rodent | |
| | | droppings | |

Schedule of Rates

The rates to provide any ad-hoc works as a variation to the Contract for mosquito/ rodent control works:

- 1. The description given for each item listed below shall, unless otherwise stated, be held to include the use of tools/ equipment, transportation, materials/ pesticides and labour, etc. required for the proper execution of works.
- 2. The under mentioned rates also take into account works that may have to be carried out after normal office working hours or during Sunday and Public Holidays.
- 3. The unit "Per Job" shall, unless otherwise stated, mean all works to be carried out within a spherical radius of **xx metres (service buyer to determine)** in communal areas of the construction site. The unit 'Visit' shall, unless otherwise stated, mean "Per Visit".

| S/N | Description | Unit | Rate |
|-----|---|----------------|------|
| 1 | Example for reference only: | Per Visit | |
| | Inspection and detection of mosquito's breeding and | | |
| | harbouring sites. To apply insecticide to areas where | | |
| | stagnant water cannot be removed. | | |
| 2 | Example for reference only: | Per Job | |
| | a. Fogging; or | | |
| | b. Residual spraying in workers' quarters | | |
| 3 | Example for reference only: | Per Visit | |
| | Inspection and extermination of rodents by setting up | | |
| | baiting stations/ traps, followed up by checking and | | |
| | replenishing of baits. To remove dead rodents and to | | |
| | disinfect and deodorise the affected areas. (to be | | |
| | carried out at night) | | |
| 4 | Example for reference only: | Per Job | |
| | Inspecting, locating and identifying possible exit and | | |
| | entry points of rodents. To seal up any crevices, gaps | | |
| - | or burrows after treatment. | Der | |
| 5 | Additional manpower required commencing between | Per Person/ | |
| | timings | Hour | |
| | Vector Control Technician Vector Control Worker | HOUI | |
| 6 | | Derlier | |
| 6 | Additional equipment to be used | Per Item | |
| | Thermal fogger | | |
| | Motorised mist blower | | |
| | Compression sprayer etc. | | |
| 7 | Additional pesticides to be used | Per Job | |

Format for Work Reports for Mosquito Control Services

Sample Baseline Survey Report

There should be a pre-construction site assessment report to identify potential challenges and assist in formulating effective vector control programme.

Findings: (for reference only)

| S/N | Stage of Work | Location/Blocks [#] | Mosquito breeding/ Potential breeding grounds | Recommendation |
|-----|---------------|----------------------------------|---|--|
| 1 | Preliminary | Existing abandoned manhole | Collect rain water | To demolish and backfill [Insert Photo] |
| 2 | General | Worksite ground level | Area too large for PCO to cover within two hours | Propose zonings and 2 or 3 visits per week. [Insert Photo] |
| | | Bus-stop outside the worksite | Receptacles littered by public | To conduct regular housekeeping along perimeter fence (especially at the bus-stop). |

| S/N | Stage of Work | Location/Blocks | Mosquito breeding/ Potential breeding grounds | Recommendation | | |
|-----|--|--|--|---|--|--|
| 3 | 3 Substructure Open cut excavation with CBP & strutting | | Stagnant water on strutting & wailers | Provide openings in struts/wailers to prevent water collection. Design shoring system without struts. | | |
| | | Basements Ejector pit / lift pits / IC(s) | Stagnant water, dark area. | Temporarily seal the area if possible | | |
| 4 | Superstructure | Roof of all blocks | Housing for portable gondola brackets. Collect stagnant water if choked. | Ensure all housings are not choked and all openings properly sealed. | | |
| | | Precast staircase / air-con ledge | Stagnant water collected at lifting point | Immediately seal after the precast member is installed. | | |
| | | MSCP | Stagnant water in planter boxes at roof garden area | Apply larvicide and to remove stagnant water regularly. | | |

[#]To insert photos of the location if available

2. Comments, if any

| Report Prepared and Submitted by VCO: | Acknowledged by S.O.: | Accepted by (PM): |
|---------------------------------------|-----------------------|-------------------|
| Name: | Name: | Name: |
| Designation: | Designation: | Designation: |
| Signature: | Signature: | Signature: |
| Date: | Date: | Date: |

Format for Work Reports for Rodent Control Services

Sample Baseline Report

1. Findings:

| S/N | Location [#] | | Findings | | Probable cause of rodent burrow/ | Action taken and | |
|------|---|-------------------------|---------------------|-------------------|--|---|--|
| 0/11 | Location | Signs of infestation | No. of burrow(s) | No. of nest(s) | infestation | recommendation | |
| 1 | Turf area opposite Living Quarters [Insert Photo] | Examples: Burrows | | | Examples: Littering | Examples: Seal up burrows [Insert Photo] | |
| 2 | Office [Insert Photo] | Rodent droppings | | | Unkempt premises | Seal up crevices [Insert Photo] | |
| 3 | | Live rodents | | | Bin chute area | | |
| 4 | | Rub marks | | | Renovation site | | |
| 5 | | | | | Defects in Bin centre | | |
| 6 | | | | | Poor housekeeping | | |
| 7 | | | | | Indiscriminate disposal of food waste | | |
| 8 | | | | | | | |
| 9 | | | | | | | |

*To insert photos of the affected areas and the follow up treatment made.

2. Comments, if any

Annex C2

| Report Prepared and Submitted by VCO: | Acknowledged by (S.O.): | Accepted by (PM): |
|---------------------------------------|-------------------------|-------------------|
| Name: | Name: | Name: |
| Designation: | Designation: | Designation: |
| Signature: | Signature: | Signature: |
| Date: | Date: | Date: |

Annex D1

Format for Work Reports for Mosquito Control Services

Sample Service Report

Date: _____

| Location of Findings at or around the Worksite (Zone / Block / Level / Unit) | Actions Taken and Comments | | |
|--|-------------------------------|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | around the Worksite | | |

| Types of Sanitation/ Hygiene Lapses Identified | Location of Sanitation/ Hygiene Lapses at or around the Worksite (Zone / Block / Level / Unit) | Actions Taken and Comments |
|--|---|-------------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

a) Comments, if any

| Report Prepared and Submitted by VCO: | Acknowledged by S.O.: | Accepted by (PM): | |
|---------------------------------------|-----------------------|-------------------|--|
| Name: | Name: | Name: | |
| Designation: | Designation: | Designation: | |
| Signature: | Signature: | Signature: | |
| Date: | Date: | Date: | |

Annex D2-1

Format for Work Reports for Rodent Control Services

Sample Service Report

Date: _____

a) Rodent activity/ burrows identified

| | Time | | Findings | | | Probable cause of | Action taken and | |
|----------|-------|---|----------------------|---------------------|-------------------|-------------------------------|---|----------------|
| Date | (Hrs) | Location [#] | Signs of infestation | No. of burrow(s) | No. of nest(s) | rodent burrow/ infestation | recommendation | Recommendation |
| 1 Jan 19 | 2200 | Turf area opposite Workers' Quarters [Insert Photo] | Examples: Burrows | | | Examples: Littering | Examples: Seal up burrows [Insert Photo] | |
| | | | | | | | | |

[#] To insert photos of the affected areas and the follow up treatment made.

b) Preventive measures taken

| Location [#] | No. of trapping devices deployed [#] | | No. of baiting stations [#] | No. | Total no. of rodents removed | | | |
|--|--|----------------|--------------------------------------|------|---------------------------------|------|--|--|
| | Glue Board | Cage |] [| Date | Trapped | Dead | | |
| Example: Storage area [Insert photo] | [Insert photo] | [Insert photo] | [Insert photo] | | | | | |
| | | | | | | | | |

[#] To insert photos of the affected areas and the follow up treatment made.

c) Comments, if any

| Report Prepared and Submitted by VCO: | Acknowledged by S.O.: | Accepted by (PM): |
|---------------------------------------|-----------------------|-------------------|
| Name: | Name: | Name: |
| Designation: | Designation: | Designation: |
| Signature: | Signature: | Signature: |
| Date: | Date: | Date: |

Annex D2-2

Formats for Work Reports for Rodent Control Services

Sample Monthly Service Report

Consolidated findings for (Month)

| Date | No. of Rodent burrows | | No. of Rodent | No. of trapping devices deployed | | No. of baiting | No. of rodents removed | | Total no. of rodents | |
|-------|-----------------------|---------|---------------|-------------------------------------|------------|----------------|------------------------|---------|-------------------------|---------|
| | Found | Treated | Sealed | nests detected | Glue Board | Cage | stations | Trapped | Dead | removed |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Total | | | | | | | | | | |

a) Comments, if any

| Report Prepared and Submitted by VCO: | Acknowledged by S.O.: | Accepted by (PM): |
|---------------------------------------|-----------------------|-------------------|
| Name: | Name: | Name: |
| Designation: | Designation: | Designation: |
| Signature: | Signature: | Signature: |
| Date: | Date: | Date: |

For reference only

Annex E

VECTOR CONTROL TECHNICIANS/ WORKERS EMPLOYED BY CONTRACTOR

| Number of Vector Control Technician deployed for this Contract: | |
|---|--|
| Number of Vector Control Worker deployed for this Contract: | |
| Name of Supervisor-in-charge for this Contract: | |
| Date of update: | |

Vector Control Technician

| S/N | Name of Technician | NRIC/ FIN | NEA License Number | Full /Provisional Licence | Date of Licence Expiry |
|-----|-----------------------|--------------|-----------------------|------------------------------|---------------------------|
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Vector Control Worker

| S/N | Name of Worker | NRIC/ FIN | NEA Certificate Number | Full /Provisional Certificate | Date of Certificate Expiry |
|-----|-------------------|--------------|---------------------------|----------------------------------|-------------------------------|
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