



Ref: NCB/W-191314/2019-2020 (N)

October 22, 2019

Enquiry No.NCB/W-191314/2019-2020 (N) Dt.22/10/2019

Dear Sirs,

Sub: Contract for Pest Control Services

Kindly send your lowest quote valid 2 years from the date of Work Order for Pest Control Services at NCBS on or before the due date i.e., 11/11/2019.

The total area of NCBS is approximately 8,72,000 sft. out of which the buildings occupy 5,05,000 sft. The total area of CB Site is 2,18,000 sft out of which the building is 4,36,000 sft. The scope of work also includes Buildings (Jaji, Kepala, Sugandhi, Gulabi) surroundings newly constructed at Mandara Campus, general fumigation weekly once and fogging on requirement. The approx. Area is around 8000 Sq.m. The total area of New Laboratory Ccomplex is 250000 sft.

1. Pest control services should be provided at the National Centre for Biological Sciences, GKVK Campus, GKVK, Bellary Road, Bangalore -65 & CB Site, Chikkabommasandra. The contract shall cover the following:
 - a. Flying Insects (Mosquitoes and flies)
 - b. Pests (cockroaches, spiders, ants and crawling insects)
 - c. Rodents (rats, mice)
 - d. Snakes control
 - e. Any other pests required to be eliminated
2. The contractor shall receive instructions from Shri. Shaju Varghese, Administrative Officer (Services), who will be the Officer-in-Charge of this Contract.
3. The following shall be the scope of work;
 - (a) Branded Pyrethroid pesticides should be used for treatment of mosquitoes and other crawling insects/pets.
 - (b) The pesticides should be kept in our custody and will be issued by us during the treatments.
 - (c) All the walls, ceilings, drains, external walls and manholes should be treated with the same pesticides for adulticide treatment. Minimum once a month treatment to be adhered.
 - (d) All foliage, plants and trees should be treated below their leaves and on their trunk for mosquitoes, which rest there.
 - (e) All water areas especially stagnated water areas should be treated (inside and outside) with approved pesticides for larvicide's treatment. Due to this, the aquatic life in the pond should not be affected.
 - (f) Fogging to be carried out minimum once a week and additionally more number of time if problem persists or as per our requirement.
 - (g) No area must be left out during the treatments and prior permission as per the convenience of each lab, office, canteen and other sections must be ascertained for the treatment.
 - (h) Additional repeat treatments to already treated areas and treatments on Sundays and holidays cannot be billed extra.

(i) **Rodent Control:** Branded WHO approved rodenticides to be used only to places where the rodents will not die in ducts or any inconvenient places. Bait stations to be marked for easy identification. Mainly glue traps must be used for the major portion of rodent control. The glue traps should be aesthetic to look and should never give an ugly appearance. Simple aesthetic looking mechanical rodent traps should be used wherever we want them to be placed and the traps should be clearly noted for early identification. Every day the mechanical traps and glue traps should be checked and all rats trapped to be removed without delay.

(j) **Snake Control:** Carbolic acid and other chemicals shall be used for controlling of snakes inside the campus. Aluminum phosphate can be used for killing the snakes where the snakes are inhabited in the ant hills. Areas where the people walk should be treated by spraying chemicals in liquid or powder form. However, no vegetation shall be destroyed in the process. And at the same time the treatment should be effective. Treatment period shall be minimum once a week.

(k) Bee-hive treatments should be carried out at the moment the bees start building the hives and also much precaution shall be taken in vulnerable areas.

(l) The quoted rates shall be for the entire requirement as mentioned above and no option of treatment will be possible.

(m) All equipment shall be provided by the agencies for the treatment.

(n) A copy of the license and income tax paid certificate/receipts shall accompany the quote.

Scope of Work includes the following:

1. Application of insecticides for general insect pest control around the buildings/Labs/Canteen which is drastically reduced. The application is not based on fixed schedule but need based and only in the required spots.
2. Inside the canteen, only herbal paste to be applied to ward off the cockroaches. Chemical application is confined only to the drains, wash basins, toilets, that too in reduced frequency. Even for fly control, a herbal product pynodor to be applied.
3. The practice of applying A1. Phosphide tablets to the termite mounds at regular intervals for controlling snakes and rats to be stopped. For preventing the possible entry of snakes into the buildings, plants which are known for their snake repellent property have been planted in some vulnerable areas. The Plant Ruta Graveolens F: Rutaceae (Kannada name – Nagadali) to be used. However, only for children play area, apply A1. Phosphide whenever any burrows are seen in its vicinity. The Chemical to be placed deep into the burrows and burrows are closed.
4. For rodent control, in addition to the usual measures an electric device “Electric Rat Repellent” to be installed in one location (indoors). In case of thermal fogging for mosquito control the dosage of chemical to be reduced from 5ml/litre of diesel. Further, for every four applications of thermal fogging (chemical control measure) one herbal misting is followed (non chemical method).
5. No chemical to be applied for control of mosquito larva in water bodies, instead Gambusia sp. Of fish) predaceous on mosquito larva) to have been released.
6. For the corridors/lobby of NCBS, use only neem based botanical insecticide for control of general insect pests (such as silverfish, cockroaches, spiders etc.). The chemical usage to be stopped for the corridors.

Future Plans:

1. The Fish Population in the water body to be augmented further by releasing few more fish into that.
2. In STP Area the chemical used to control mosquito larvae to be replaced by a Bt entotoxin (Bacillus Thuringensis; a bio product)
3. To include more and more herbal products to the extent possible and to reduce the chemical control measures. By taking regular updates in respect of pest control measured from different sources, incorporate / change the strategies in managing the pest problem at NCBS Campus.
4. A detailed Report on the Pest Control measures adopted by you to be submitted every 6 months and a survey once in a month to be conducted with NCBS members.

OTHER TERMS AND CONDITIONS

1. During the contract period, NCBS can communicate to the contractor about *"addition / alteration in the Scope of work: At the time of awarding the contract, the quantity to be procured must be re-judged based on the current data, since the ground situation may have very well changed. The tendered quantity can be increased or decreased by 25 (Twenty – Five) percent for ordering, if so warranted. In case of reduction in quantity, the reduced quantity at the same rate and at the same terms and conditions as tendered and any alteration or addition to the scope of work will be communicated to the Contractor and the Contractor shall carry them out"*.
2. The contract shall be initially awarded for a period of one year and is extendable for another year based on the performance of the contractor during the first year.
3. Care should be taken towards human safety while carrying out the treatments.
4. The rates indicated shall be inclusive of all taxes and duties and shall remain valid for the period of agreement. Any increase in the rates will be only in respect of statutory duties/levies for which adequate documentary proof shall be submitted to NCBS. Any decrease in the duties/levies during the period of agreement shall entail corresponding reduction in the contract amount.
5. The contract can be terminated by either side by giving one month's notice in writing. If the notice period is not given or if a shorter notice is given by the contractor, the entire security deposit would be forfeited. Any other costs incurred by the Centre to maintain the services contracted to the contractor, on account of such short notice will be deducted from the dues payable to the contractor, or shall be paid by the contractor on demand if such dues fall short of such costs.
6. The following shall be the terms in the event of the contract being awarded to your firm.
 - i) Payment shall normally be made within 15 days of submission subject to the claim being found proper in all respects and in accordance with the terms and conditions of the contract. All payments will be made after deduction of taxes and duties at source as applicable from time to time.
 - ii) The bills have to be certified by the Officer-in-charge (Authorised Officer of NCBS), prior to submission to Accounts Officer.
 - iii) Security deposit: A security deposit @ 10% of the contract value shall be provided by the contractor within 15 days of awarding of contract, failing which the entire amount will be recovered in the first 3 months' running bill. Alternatively, a Bank Guarantee from a Nationalized Bank for the equivalent value may be furnished for the period of agreement with 3 months grace period. The security deposit is refundable after expiry of the agreement subject however, to any claims on the contractor. The Centre reserves the right to deduct from the security deposit any amount for damages/deficiencies in service by the contractor. The security deposit does not carry any interest. The Centre shall have the absolute right to deduct from the security deposit and /or any amount payable to the contractor, such amounts which have remained unpaid to the contract employees by the contractor and any damages as may be determined by the Centre Director, whose decision shall be final on account of any act or omission in the part of the contract, by the contractor.
 - iv) The Officer-in-charge/Accounts Officer, NCBS shall be authorised to deduct any amounts as determined by the Centre Director, NCBS from the amounts due to the contractor, for any deficiency in services provided by the contractor.



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7. During or after the contract period, no claims shall be entertained in respect of any discrepancy for short claims if such demands are not made within 90 days from the date of payment of the final bill.
8. During or after the contract period, any dispute or differences that may arise between the contractor and NCBS shall be referred to the sole arbitration of the Centre Director or his nominees and the contractor shall have no right to object to the appointment of the Director or his nominee as the sole arbitrator. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore and no other place. The provisions of the Arbitration and Conciliation Act 1996 as/amended from time to time shall apply. The courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

We request you to send your quote in a sealed cover valid for two years addressed to the Head - Purchase, NCBS, Bangalore - 560 065 on or before **November 11, 2019**. You may visit the site to ascertain the area, etc., before quoting for the work. **Please ensure that the Enquiry number and the date is superscribed on the envelope failing which your quotation is liable to be rejected.**

Thanking you,

Yours faithfully,
For and on behalf of
National Centre for Biological Sciences

A handwritten signature in black ink, appearing to read 'Nirmala K.S.', with the date '22/10/19' written below it.
Nirmala K.S.