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भाकृअनुप - केन्द्रीय रोपण फसल अनुसंधान संस्थान  
कासरगोड़, केरल - 671 124 भारत  
ICAR - Central Plantation Crops Research Institute  
Kasaragod - 671 124, Kerala, India  
(An ICAR Unit 2008 Cloned Institute)



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F.No.40(2)36-2018-Estate (Crop-Prot)

Dated: 02.07.2018

M/s Vishal

Manpower & Security Consultants

#6, Kamala Towers, Near Urva market

Ashok Nagar P.O, Mangalore - 575 006

Sub: Job Contract Work in Farm & Lab - Crop-Protection Division at CPCRI, Kasaragod - reg.

Ref: Your bid 40(2)/36/2018-Estate (Crop-Prot) dated 14.05.2018

Sir,

With reference to your quotation cited above, duly accepting the terms & condition appended in the tender document, order is hereby placed for executing the Job Contract Work in Farm & Lab - Crop Protection Division of this Institute on contract basis for the period from **01.07.2018 to 30.06.2019**, as detailed below.

Sl. No.	Description of work	Qualification	Approx Qty.	Rate (Rs.)	Amount (Rs.)
1.	<p><b>Item.No.1</b> <b>Production of <i>Trichoderma</i> formulations (Pathology)</b></p> <ul style="list-style-type: none"> <li>Assistance in carrying out molecular techniques like PCR, purification of DNA, amplified product, preparation of buffers etc.(weekly 50 samples)</li> <li>Maintenance of <i>Trichoderma</i> nucleus cultures in the lab and sub-culturing regularly (once in 15 days).</li> <li>Mass culturing of <i>Trichoderma</i> spp. for preparation of <i>Trichoderma</i> formulations viz. <i>Trichoderma</i> talc and <i>Trichoderma</i> coir pith cake.(100 litres of <i>Trichoderma</i> liquid culture per week)</li> <li>Packing the talc powder in 2 kg capacity heat resistant polythene bags and sealing the bags.</li> <li>Sterilization of the talc powder in autoclave.</li> <li>Mixing the <i>Trichoderma</i> culture with talc powder.</li> <li>Shade drying the formulation for 3-5 days.</li> <li>Packing in polythene bags of required quantity and sealing the bags. (on an average 50 to 100 kg formulation per week based on the requirement)</li> <li>Packing good quality coir pith in heat resistant polythene bags and sealing the bags.</li> <li>Sterilization of coir pith</li> <li>Mixing the <i>Trichoderma</i> culture with coir pith.</li> <li>Preparing the <i>Trichoderma</i> cake.</li> <li>Drying the cake in hot air oven, packing and sealing.</li> <li>Powdering and sterilization of Neem Cake.</li> <li>Mass production <i>Trichoderma</i> using sterilized neem cake substrate.</li> </ul>	BSc or MSc	(Entire Work)	1,56,051.00 (One Year)	1,56,051.00 (One Year)
2.	<p><b>Item.No.2</b> <b>Maintenance &amp; Multiplication of insect cultures including parasitoids (<i>Barcon brevicornis</i> and</b></p>	BSc or Msc	(Entire	1,96,780.00	1,96,780.00

	<p><b><i>Goneozus nephantidis</i> (Entomology)</b></p> <ul style="list-style-type: none"> <li>Rearing of <i>Corcyra</i> larvae on broken wheat grains and transferring the larvae in to small test tubes for inoculation - 200 larvae/ day @30 paise/larvae</li> <li>Transferring emerged parasitoids in to bigger test tubes in aseptic condition and monitor the growth stage of the parasitoids includes; preparation of cotton plug and wax paper strips and fed the insects with honey - 1000-1200 parasitoids daily @ 30 paise per parasitoids .</li> <li>Autoclaving used culture tubes, cleaning with soap solution drying and sterilizing in the oven - 200 small tubes 20 big tubes (weekly twice)</li> <li>Field collection of leaf eating caterpillar as and when incidence is reported and laboratory maintenance</li> <li>Field collection and maintenance of white grub cultures in the lab, cleaning and sterilizing of containers and filling with sterilized soil.</li> <li>Field collection of red palm weevil and rhinoceros beetles. Laboratory rearing of beetles by frequently providing coconut petioles.</li> <li>Collection of rhinoceros grubs and maintenance in laboratory</li> <li>Sterilization of laboratory equipments, preparation of fungal/ bacterial culture media for the multiplication of microbial biocontrol agents.</li> </ul>		Work)	(One Year)	(One Year)
3.	<p><b>Item.No.3</b>  <b>Mass rearing of Greater wax moth, <i>Galleria mellonella</i> and mass production of entomopathogenic nematodes (Nematology)</b></p> <ul style="list-style-type: none"> <li>Collection of honey combs and separation of <i>Galleria</i> larvae from bee hives maintaining by farmers at different places of Kasaragod.</li> <li>Preparation of ingredients (maize, wheat, bran etc..) requirement of artificial diet its cleaning, drying and grinding process of desirable required standard and proper ratio for the multiplication of <i>Galleria</i> larvae.</li> <li>Preparation of artificial diet of 6 kg regularly at 20 days interval of 20 boxes for rearing different instar <i>Galleria</i> larvae for large scale production of EPN. This process will continue for throughout year.</li> <li>Collection of pupa and separation of adult moth of <i>Galleria</i> and placing in separate cages regularly at 15 days interval for hatching of eggs it is regular work to maintain required number larvae.</li> <li>Collection of eggs and keeping for larval hatching it is continuous process to avoid loss of culture.</li> <li>Assisting in selection and counting of fully grown <i>Galleria</i> larvae for EPN inoculation , collection EPN infested <i>Galleria</i> cadavers and its drying for 2 days, preparation of white trap chamber for placing cadavers to harvest the infective juveniles at 24 hours interval for regularly.</li> <li>Assisting in maintenance of hygiene in proper washing of all the devises using in multiplication of EPN at regular interval to avoid contamination</li> <li>Preparation of EPN storage process and assisting in packing, storing and transportation of stored EPN vials/pouches to experiments filed on root grub</li> </ul>	BSc or Msc	(Entire Work)	1,96,780.00 (One Year)	1,96,780.00 (One Year)

management in YLD affected and non YLD plots at Karnataka and Kerala.				
<ul style="list-style-type: none"> <li>Assisting in routine work of collection of soil samples and EPNs infected insect cadavers from trial plots and during survey work in different agro-climatic conditions of India for geomapping of EPN diversity.</li> </ul>				
<b>Total(Rs.)</b>				<b>5,49,611.00</b>

**(Rupees five lakh forty nine thousand six hundred and eleven only)**

**Terms & Conditions**

1. The works should be carried out under the supervision of Scientists/Technical Officers <sup>(Crop Prot.)</sup> (PB & PHT), CPCRI, Kasaragod.
2. The Institute will not be responsible for the loss or damage/casualty, if any, while executing the work.
3. The rate quoted shall be valid for a minimum period of one year.
4. Any loss or damage etc. caused to the Institute properties while carrying out the works should be made good or else necessary action will be initiated to recover the same.
5. The Contractor should obtain certificate of registration under contract labour (Regulation & Abolition) Act 1970, from the Regional Labour Commission (Central) Kochi and comply with all the provision of Act.
6. The contractor/Agency shall be at the responsibility to comply with the requirements under the Labour Act/EPF Act/ESI Act/minimum wages Act etc. towards the personnel engaged for executing the contract work of this Institute.
7. **Payment for service contract will be made quarterly** on satisfactory completion of work and submission of pre-receipted bill along with GST payment receipt if applicable. (If Nil return the receipt for the same from the concerned authority should enclose).
8. The Director of the Institute will be at liberty to forfeit the Bid Security/Performance security amount in full or part thereof in the event of unsuccessful completion of the awarded work.
9. The Director of the Institute reserves the right to terminate the contract at any time in case of violation of agreement.
10. The person so provided by the contractor under this contract will not be the employee of the CPCRI and there will be no Employer-employee relationship between the CPCRI and the person so engaged by the contractor in the aforesaid services.
11. Income Tax will be deducted from the payments due for the work done as per rules.
12. Any misconduct/misbehavior on the part of the person provided by the contractor will not be tolerated and he will have to be replaced immediately.
13. The person provided should maintain discipline in the premises of the Institute.
14. **Performance security** equivalent to the amount of **10%** of the contract value i.e. **Rs.54,960/- (Rupees fifty four thousand nine hundred and sixty only)** may be furnished in the form of an A/C payee DD/FD or Bank Guarantee from the commercial bank in an acceptable form. Performance security should remain valid for a period of 60 days beyond date of completion of all statutory and contractual obligations of the contractor. Bid security will be refunded immediately on receipt of performance security.
15. An agreement in a stamp paper value of **Rs.100/-** should be executed based on which the first payment will be made. GST or any other Tax applicable or made applicable as per the latest notification of Govt. of India after awarding the contract in respect of this contract shall be payable by the contractor and this Institute will not entertain any claim whatsoever in this respect. However the Service taxes or any other tax which is as per the rules of the Govt. shall be deducted at source from bills, as per rules / instructions made applicable from time-to-time by Govt.

16. The Invoice should contain, invoice number, address of the firm / contractor, details of all taxes including GST, GSTIN, UID etc (both firm and ICAR-CPCRI, Kasaragod), PAN and Bank details, service description, service charge etc should be indicated separately.

17. Remittance of the final bill based on the full settlement of all the dues if any to Government / Institute.

Note: In addition to these, all Terms & Condition mentioned in Tender Schedule are relevant for this work.

Please acknowledge receipt of the work order and commence the work immediately.

Yours faithfully,



Asst. Administrative Officer (Estate)

Copy to:

1. The HD, Crop Protection Division, CPCRI, Kasaragod
- ✓ 2. The Chairman Contractual Service Committee, CPCRI, Kasaragod.
3. The Scientist / Technical Officer, Crop Protection Division, CPCRI, Kasaragod.
4. The Sr. Fin. & Accounts Officer CPCRI, Kasaragod.
5. The DDO, CPCRI, Kasaragod.
6. The Asst. Labour Commissioner (Central). Office of the Regional Labour Commissioner, Kendriya Shram Sadan, Olimugal, By Pass Road, Kakkanad, Kochi-682 03
- ✓ 7. Website.
8. Guard file.