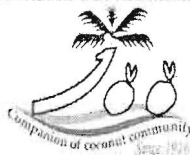




भाकृअनुप - केन्द्रीय रोपण फसल अनुसंधान संस्थान
कासरगोड़, केरल - 671 124 भारत
ICAR - Central Plantation Crops Research Institute
Kasaragod - 671 124, Kerala, India
(An ISO 9001:2008 Certified Institution)



Phone (Off) : 04994 - 232333
Fax : 04994 - 232322
EPABX : 04994 - 232893 - 95
04994 - 232090
04994 - 232996



E-mail : director.cpcr@icar.gov.in
director.cpcr@gmail.com
chowdappa.p@icar.gov.in
Website : http://www.cpcr.gov.in

No.40(2)36-2016-Estate XV II(Part II)

Dated: 6.1.2017

Shri Manoharan B
Ashok Nivas
Ballier, Post Kudlu
Kasaragod 6761 124.

Sub: Contractual work at CPCRI, Kasaragod – regarding.
Ref: This office work order of even number dated 23.9.2016, 10.11.2016 & 26.12.2016

Sir,

In continuation of this office work order cited above, approval of the Competent Authority is hereby conveyed to extend the following farm/lab. works for a **period one month i.e. January, 2017 only**, on the same rate terms and conditions. Further extension of work can be undertaken only after receipt of work order from this end.

Item No	Description of work	Approximate Quantity	Rate (Rs.)	Amount (Rs.)
7	Maintenance of Dwarf palms in pachakkad plot which includes the following works	3.5 acre and approximately 244 palms Entire Work	1,68,000/- for entire work (rate quoted for nine months)	18,667.00
	Timely machine weeding at least three or four rounds as directed.			
	Uprooting sataria grass with clump and disposing away from the plot as directed			
	Incorporation of organic manure/ chemical fertilizer etc., during August/September (Manures and fertilizers will be provided departmentally)			
	Weeding in the trench/half moon bund and strengthening of the bund with pineapple gap filling, including fertilizer application for pineapple suckers.			
	Herbicide spraying during August and October If required & as directed.			
	Collection of shed nuts if any & Scrapping weeds in basin and mulching of basins with the fallen leaves/husk/leaf shreds			
	Maintenance of Drip irrigation system in Pachakkad, laying of lateral pipes and putting micro pipes 30cm depth and 1M away from the bole, laterals should be buried 20cm depth. Regular checking the motor, flushing the filter/pumps/micro tubes. Providing fertilizer through drip system once in a month. Removing and tying drip irrigation pipes during onset of monsoon.(Drip irrigation from November 2016 to May 2017).			
	Removal of dead seedlings/palms as and when required and replanting/gap filling including shading.			
	Hose irrigation to Pineapple suckers as and when required and directed.			
	Crown cleaning and Prophylactic treatment with leaf axil filling of insecticide/fungicide(two or three rounds as directed) and required need based protection measures (spraying/axil filling) as directed.			
16	Washing glass wares including removal of media from the tubes, soaking in soap solution overnight and washing	10,000 test tubes 1000 conical flasks 2000 petri dishes	tire work 1,16,800/-	16,686.00

		200 measuring cylinders 700 reagent bottles 100 small vials		
	Cotton plug preparation	6000 plugs		
	Autoclaving	600 L of media, 200 L of buffer solution, 10 Kg potting mixture, 5500 eppendoff tubes, PCR tips 750 L of sterile water		
17	Culture media preparation for coconut and arecanut tissue culture	2000 litre	98,000/- for entire work	14,000.00
	Stock preparation for media for coconut and arecanut tissue culture	100 litre		
	Hormone stock preparation for coconut and arecanut tissue culture	10 litre		
	Preparation of samples for sterile culture initiation	10,000		
	Inoculation of sample to initial media for coconut and arecanut tissue culture	10,000 samples		
	Sub-culturing of sample to another media for coconut and arecanut tissue culture	20,000 samples		
	Pouring media into tubes /conical flasks	20,000		
	Sealing and storage of media in appropriate places.	20,000		
	Culture media preparation for coconut and arecanut tissue culture	2000 litre		
	Stock preparation for media for coconut and arecanut tissue culture	100 litre		
18	Preparation of buffers/reagent	100 liters	98,000/- for entire work	14,000.00
	Grinding of samples and extraction of DNA/RNA	1000		
	Preparing agarose gels for checking DNA/RNA quality	100		
	Preparation of PCR reaction mix and running PCR in thermocycler	5000		
	Operating AUTOMATED ELECTROPHORESIS UNIT and REAL TIME PCR THERMOCYCLER	100		
	Documentation of results and scoring of bands	5000		
	Preparation of buffers/reagent	100 liters		
	Grinding of samples and extraction of DNA/RNA	1000		
24	Maintenance of garden in the CPCRI premises (Main campus, Sagar. Kalpaka and Chandragiri guest house premises which includes	CPCRI premises	Rate quoted for entire work 2,66,250/-	38,036.00
	Day to day maintenance and keep up of the garden at including lawn in the campus (removing the weeds, watering and applying the fertilizers, pesticides etc. to the plants)			
	Periodical mowing the lawn with lawn mower	2550 sqm area		
	Flower pots cleaning watering and applying the fertilizer /pesticide etc	750 nos,		
	Re potting of flower pots and planting of flower plants as per the instructions	500 nos		
	Arranging and display of ornamental plants at office premises/ conference hall as and when required.			
	Trimming of border plants periodically, cutting, levelling, watering, applying fertilizers/ pesticides etc	500 nos		
	Trimming of hedge plants like <i>phyllanthus</i> , <i>Duranta</i> , <i>Acalypha</i>	600 nos		
	Maintenance of garden in type VI quarter (Director of CPCRI), including weeding, cleaning, watering etc.			
	NB: The work should be undertaken by gardener possessing at least two year's experience in the field of garden works) Putting shredded husks in the bases of seedlings.			

26	Providing man power for different type of farm operation work like digging pits, opening trenches, cleaning the plot by removing fallen leaves, spathes, debris, transporting and powdering using Bioshredder machines, mulching the shredder materials on the coconut basins, collecting shed nuts, counting and transporting to godown, Taking preparatory measures for ploughing plots, shifting tables/ almirah from offices whenever required and other works as per the directions of Farm in charge/Technical staffs .	25 x 3 man days 25 working days/ month	576/- per day	43,200.00
27	Providing man power for operating weed cutting machine, power sprayer, fodder grass cutter etc in the farm (fuel and weed cutting machine will b provided by the department)	25 man days/ year	770/- per man day	19,250.00
28	Cleaning of all office which includes cleaning all the bath rooms and toilets of office building, sweeping, moping rooms and verandas, cleaning of guest houses hostel (as and when required), cleaning cob webs, sweeping cleaning office premises and any other works assigned by the farm in charge. The cleaning of the office rooms should be completed before 9.30 am every working days. Note: Before quoting the rates the contractor may contract the farm officials.	7000sqm For entire works (25 working days/ month)	Rate quoted for entire work per month 40,990/-	40,990.00
31	Plumbing work: <ul style="list-style-type: none"> Repairs to the drinking water supply lines of all residential/ non residential quarters(Internal and external) Repairs/replacement to the irrigation water supply lines inside field and within the campus, accessories in connection with water pumps Repair/ replacement/ renewal and reinstating of pipes/accessories in connection with bore well repair and submersible pumps, removing refitting and repairing accessories like water taps, Angle cock, stop cock, shower, gate valve, health faucets, connector pipes, jail, waste coupling etc. Replacement of damaged closet, (Indian western type), Wash basin in coordination with institute mason, modification to pipe lines(water supply and drain pipes/cast iron pipes) Repairs to the overhead water tank gauges, float valve, bibcock, PVC tanks, changing of washers, tightening gland rope of water pump, checking/testing water supply lines Removing and rectifying the blockage of kitchen/ lab sinks wash basins, up to gully trap/ nearest inspection chamber Any other works as instructed by SIC/TO (FARM), T.O.(Maiant.) in connection with water supply/plumbing The material required for attending the complaints shall be arranged by the Institute. One log book has to be maintained on day to basis, which shall be verified by TO/CTO/ACTO on daily basis as proof of attending the complaints. <p>1. The complaints of repair/non-----has to be attended immediately. 2. The contractor has to take full responsibility of operation, repair and maintenance of the water supply/irrigation.</p>	129 residential quarters, all non residential buildings and irrigation area within 77.9 hectares. Working days for attending the daily complaints = 24 Days/Job in a month (The work is to be undertaken between 8.30 am to 5.00 pm) but may extend to any time in emergency situations. ----- -----	Rate quoted for entire work per month 16,300/-	16,300.00
32	<u>Tender nut experiment</u>			
	Inflorescence tagging and harvesting of tender nut/mature nut	124 palms per month in a staggered manner	87,500/- (rate quoted for nine months)	9,722.00
	Basin opening, mulching	Twice in a year		
	Laying of drip lines and checking the lines for drip irrigation (*exact	Tentatively		

	date of laying and maintenance is based on onset and cessation of monsoon) and fertigation	* Dec- May 2017		
	Harvested tender nut collection, counting, loading and transportation to farm	Every month		
37	Hill block- organic faming Maintenance of plot, Planting of component crops which includes, bed preparation/pit opening and planting, input/fertilizer application, irrigation by drip, Tender nut harvesting for quality study (3 times X 35 palms), nut study	1.4 ha	Rate quoted for nine months 1,56,000/-	17,333.00
49	Trichoderma mass production. (Pathology) <ul style="list-style-type: none"> Preparation of liquid cultures of Trichoderma using coconut water medium. Powdering of Neem Cake. Moistening the neem cake substrate. Packing the powdered neem cake in 500g capacity polythene bags. Sterilization of substrate in polythene bags in autoclave. Inoculation with <i>Trichoderma</i> liquid culture @ 10 ML/500 g. using the disposable syringe. Incubating of substrate for 2-3 weeks. Preparation of liquid media (coconut water). Sterilization of the culture in flat bottles @ 100 ml. Inoculation of the media with Trichoderma. Incubation of the culture 	Entire work	Rate quoted for entire work 62,000/-	8,857.00
50	Maintenance & Multiplication of Parasitoids, biocontrol agents, etc. (Entomology) <ul style="list-style-type: none"> 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 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. Autoclaving used culture tubes, cleaning with soap solution drying and sterilizing in the oven - 200 small tubes 20 big tubes (weekly twice) Field collection and maintenance of white grub cultures in the lab, cleaning and and sterilizing of containers and filling with sterilized soil. Production & maintenance of <i>Metarhizium</i> culture in the lab. Cleaning and sterilizing of lab equipments. Field collection and rearing of difference life stages of rhinoceros beetles 	Entire work	Rate quoted for entire work 92,000/-	13,143.00
51	Mass rearing of Greater wax moth, <i>Galleria mellonella</i> and mass production of entomopathogenic nematodes (Nematology) <ul style="list-style-type: none"> Collection of honey combs and separation of <i>Galleria</i> larvae from bee hives maintaining by farmers at different places of Kasaragod. 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. 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. 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 culture healthy and fresh. Collection of eggs and keeping for larval hatching it is continuous process to avoid loss of culture. Assisting in selection and counting of fully grown <i>Galleria</i> larvae 	Entire work	Rate quoted for entire work 92,000/-	13,143.00

	<p>for EPN inoculation , collection EPN infested Galleria 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.</p> <ul style="list-style-type: none"> Assisting in maintenance of hygiene in proper washing of all the devises using in multiplication of EPN at regular interval to avoid contamination Preparation of EPN storage process and assisting in packing, storing and transportation of stored EPN vials/pouches to experiments filed on root grub management in YLD affected and non YLD plots at Karnataka and Kerala. 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. 			
52	<ol style="list-style-type: none"> Autoclaving disease samples and disposing them Autoclaving used culture tubes (with micro-organism culture), cleaning with soap solution, drying and sterilizing in oven. Autoclaving used Petri dishes (with micro-organism culture), cleaning with soap solution, drying and sterilizing in oven. Autoclaving used culture flasks (with micro-organism culture), cleaning with soap solution, drying and sterilizing in oven and regular/general cleaning work of lab. 	Entire work for Pathology, Entomology and Nematology	Rate quoted for entire work 59,600/-	8,514.00
55	Assisting in de-husking, de-shelling, testa removing, pulverizing, milk extraction, milk cooking, fermentation, oil filtration, packaging, coconut sugar and jaggery production, VCO and chips production.	100 coconuts for VCO & 20 coconuts for chips per week	Rate quoted for entire work 97,600/-	13,943.00
59	<p>AKMU</p> <ol style="list-style-type: none"> Maintenance of Cyberoam Cr200i and ZyXEL-ZyWALL 35 UTM's, CISCO Router, Keymile Modem, DIGISOL Ethernet Switches, OFC Converter, Server etc. in the AKMU. Cross-over crimping and Straight-through crimping of Cat05/Cat06 UTP cable as per requirement. Operating System and Application programmes reinstallation. Memory problem, which requires cleaning or replacement of memory. Motherboard problem, which normally requires resetting /replacement of the board and CMOS Cell replacement. SMPS replacement. Antivirus installation. Network connectivity problem which requires connectivity checking, crimping or LAN card replacement. Printer driver installation and cartridge cleaning. Multimedia operation. 	<p>All the computers and networking in the Institute</p> <p>(160 computers and 100 Printers)</p>	Rate quoted for entire work 2,36,000/-	33,714.00
60	<p>Electronics and Instrumentation</p> <ul style="list-style-type: none"> Repair and maintenance of offline and online UPSs. (about 130 Nos.), repair and maintenance of battery banks attached to the above UPSs and shifting and reinstallation of UPSs with battery banks. Repair and maintenance of all instruments in the institute. Repair and maintenance of 5 all equipments like ovens, incubators, shakers etc. Repair and maintenance of analog telephones. (about 180 Nos.) Repair and maintenance of public announcement system and speaker connectivity. General Maintenance of Lift. Operation of Public Address Systems in PJ Hall and DJ Halls. 	All the UPSs, telephone units and laboratory instruments	Rate quoted for entire work 1,17,250/-	16,750.00


63	Maintenance of Vermicompost pit behind the ATIC building, Cleaning the surrounding of the building-approx. 0.5 ha, Cleaning of coconut museum (Dusting and cleaning inside the museum twice in a week and cleaning outside also. Irrigating and maintaining the coconut palms(14 palms), Cocoa trees & areca nut palms(24 palms in the surroundings of the ATIC building and maintenance of lawn in the middle of the ATIC Building	Vermicompost pit – 1 no. 0.5 ha area Coconut – 14 palms Areca nut – 24 palms	Rate quoted for entire work 96,500/-	13,786.00
	TOTAL			3,70,034.00

(Rupees three lakhs seventy thousand and thirty four only)

You have to remit **Rs.18,502/- (Rupees eighteen thousand five hundred and two only)** being 5% of total charges as Performance Security deposit in FD or DD in favour of ICAR Unit, CPCRI, Kasaragod immediately.

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

Yours faithfully,


Asst. Administrative Officer (Estate)

Copy to:

1. The HD, Crop Production, CPCRI, Kasaragod.
2. The Scientists/Technical Officer (Physiology/Genetics/Crop improvement/Farm/Agronomy/Maint./Pathology/Entomology/ Nematology/AKMU/Library/Social Science), CPCRI, Kasaragod.
3. The Fin. & Accounts Officer CPCRI, Kasaragod.
4. The DDO, CPCRI, Kasaragod
5. The Asst. Labour Commissioner (Central). Office of the Regional Labour Commissioner, Kendriya Shram Sadan, Olimugal, By Pass Road, Kakkanad, Kochi-682 030
6. Guard file.
7. Website.



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Phone (Off) : 04994 - 232333
Fax : 04994 - 232322
EPABX : 04994 - 232893 - 95
04994 - 232090
04994 - 232096



E-mail : director.cperi@icar.gov.in
director.cperi@gmail.com
chowdappa.p@icar.gov.in
Website : http://www.cperi.gov.in

F..No.40(2)36-2016-Estate XV II(Part II)

Dated: 9.1.2017

Shri Ramesha Shetty
Gowrikodi, Salethur Village
Bantwal Taluk
D.K. - 574 323.

Sub: Contractual work at CPCRI, Kasaragod – regarding.
Ref: This office work order of even number dated 10.11.2016 & 26.12.2016

Sir,

In continuation of this office work order cited above, approval of the competent Authority is hereby conveyed to extend the following farm/lab. works for a **period one month i.e. January, 2017 only**, on the same rate terms and conditions. Further extension of work can be undertaken only after receipt of work order from this end.

Item No	Description of work	Approximate Quantity	Rate (Rs.)	Amount (Rs.)
33	HDMSCS			
	Planting of component crops which includes, bed preparation/pit opening and planting: planting of banana suckers as and when required	6000 m ²	Rate quoted for entire work	
	Irrigation of the field with sprinkler	1.2 ha		
	Input/Fertilizer application as per the treatment requirement for each crop	2 rounds for coconut and others and 6 rounds for banana	2,96,175/- (rate quoted for nine months)	32,908.00
	Harvesting of cinnamon, nutmeg, banana and other annuals			
	Pepper harvesting (150 vines), Pepper sampling	Sampling One round, 42 palms		
	Nut studies	1250 nuts in 6 rounds (42 palms)		
	Removing of fallen leaves, cutting of old banana leaves, vermicomposting and other related works	1.5 ton each 4 times		
	Machine weeding	0.7 ha with 4 rounds		
	Manual weeding in the component crops grown area	0.5 ha with 6 rounds		
	Recording observation viz., Plant height, girth, no. of leaves and leaf sample collection	42 palms once in a year		
	Tender nut harvesting for quality study	42 palms 3 rounds		
65	Maintenance of demonstration units. Attending different cultural operations like, planting, sowing seeds, irrigation, weeding, manuring and plant protection and harvesting in demonstration units on inter cropping in coconut garden with banana, fodder grass, pineapple, tuber crops, vegetables, jasmine plot, fruit crops and pepper nursery.	1.8 Acre	Rate quoted for entire work 56,775/-	8,111.00

67	Production of planting materials- Preparing potting mixture, filling bags/pro trays, arranging in nursery, sowing seeds/planting cuttings, plant protection, irrigation and weeding. (seedlings of papaya, drumstick, vegetables, arecanut, flowering plants, garden plants and fodder grass slips. Preparation of pepper cuttings by IISR method of filling columns 8 feet height with coir pith(100 columns with 1 feet diameter) and erecting, planting pepper vines, irrigation, manuring, planting rooted cuttings in bags, application of bio agents and manure, weeding and irrigation.	1.5 Lakh nos.	Rate quoted for entire work 36,700/-	5,243.00
68	Miscellaneous work in KVK which includes			
	Production of vegetable seeds- Land preparation, sowing seeds/planting seedlings, mannuring, earthing up, providing pandal/support, plant protection, collecting seed, extracting, drying and packing.	50 kg	Rate quoted for entire work 87,215/-	12,459.00
	Production of vermicompost and coir pith compost	6 ton		
	Maintenance of fish pond and azolla unit	400 sqm.		
	Production of bio formulations and organic products	500 ltrs		
	Management of bee colonies (Indian bee colonies and stingless bee colonies)	35 colonies.		
	Preparation of input materials, cleaning washing , chopping, preparation of food products and bottling, washing utensils and assisting in Home Sc. Training programmes	50 programmes		
	Operation of farm machinery like power tiller, weed cutter, thresher cum winnower, banana fiber extractor and its maintenance for farm work and training programmes.	50 programmes		
69	House Keeping. Cleaning of KVK building- office rooms, verandah, laboratory, toilets, seminar hall, MAP building and office premises by sweeping, moping and cleaning properly on daily basis during working days.	547 sqmt office area and 800 sqmt surrounding area.	Rate quoted for entire work 25,960/-	3,709.00
	TOTAL			62,430.00

((Rupees sixty two thousand four hundred and thirty only))

You have to remit **Rs.3,121/- (Rupees three thousand one hundred and twenty one only)** being 5% of total charges as Performance Security deposit in FD or DD in favour of ICAR Unit, CPCRI, Kasaragod immediately.

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

Yours faithfully,


Asst. Administrative Officer (Estate)

Copy to:

1. The HD, Crop Production/Crop Improvement, CPCRI, Kasaragod.
2. The Technical Officer ((Farm/ / Genetics/), CPCRI, Kasaragod.
3. The Fin. & Accounts Officer CPCRI, Kasaragod.
4. The DDO, CPCRI, Kasaragod
5. The Asst. Labour Commissioner (Central). Office of the Regional Labour Commissioner, Kendriya Shram Sadan, Olimugal, By Pass Road, Kakknad, Kochi-682 030
6. Guard file.
7. Website

1766



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04994 - 232090
04994 - 232996



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director.cpcrri@gmail.com
chowdappa.p@icar.gov.in
Website : http://www.cpcrri.gov.in

No.40(2)36-2016-Estate **XV II (Part II)**

Date: 9.1.2017

Shri KA Balakrishnan

S/o B.K. Appu

Kallangai Ballur

P.O. Mogral Puttur

Kasaragod Dist.

Sub: Contractual work at CPCRI, Kasaragod – regarding.

Ref: This office work order of even number dated 01.09.2016, 10.11.2016 & 26.12.2016.

Sir,

or

In continuation of this office work order cited above, approval of the competent Authority is hereby conveyed to extend the following farm/lab. works for a **period one month i.e. January, 2017 only**, on the same rate terms and conditions. Further extension of work can be undertaken only after receipt of work order from this end.

Item No	Description of work	Approximate Quantity	Rate (Rs.)	Amount (Rs.)
2	Weeding and Irrigation for poly bag Nursery seedlings and maintenance of the area.	10000 seedlings Entire Work	Rate quoted per entire work 61,950/-	8,850.00
34	<u>Fruit plot, cocoa plot and tuber crops</u>			
	Maintenance of the plot fertilizer application twice in a year as per the POP, basin opening, mulching, irrigation with drip system (laying of drip line and maintenance), pruning, and harvesting of the component crops	2.2 ha (Approx. 800 trees)	1,90,200/- Entire work (for nine months)	21,133.00
38	<u>Mixed farming</u>			
	Maintenance of dairy unit (disposal of cow dung and urine, bathing, milking by machine/manually and other related activities with dairy management)	Approx. 12 animals	4,41,000/- for entire work (for nine months)	49,000.00
	Maintenance of poultry unit (broiler, layer), aquaculture	150 birds in each unit, per year 6 batches		
	Goat unit	Approx. 20+1		
	Maintenance of coconut based cropping systems including fodder grass, banana, pepper and other component crops- fertilizer application, sprinkler irrigation and nut study	5 acres		
	Harvesting of fodder grass, bundling and transportation of fodder grass in the experimental plots of CPCRI to mixed farming unit and chopping by using chop cutter/ manual on daily basis	400 kg green fodder /day		
				78,983.00

(Rupees seventy eight thousand nine hundred and eighty three only)

You have to remit **Rs.3,949/- (Rupees three thousand nine hundred and forty nine only)** being 5% of total charges as Performance Security deposit in FD or DD in favour of ICAR Unit, CPCRI, Kasaragod immediately.

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

Yours faithfully,


Asst. Administrative Officer (Estate)

Copy to:

1. The HD, Crop Production/Crop Improvement, CPCRI, Kasaragod.
2. The ACTO/Scientist ((Farm/Agronomy/Genetics/), CPCRI, Kasaragod.
3. The Fin. & Accounts Officer CPCRI, Kasaragod.
4. The DDO, CPCRI, Kasaragod
5. The Asst. Labour Commissioner (Central). Office of the Regional Labour Commissioner, Kendriya Shram Sadan, Olimugal, By Pass Road, Kakkanad, Kochi-682 030
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Phone (Off) : 04994 - 232333
Fax : 04994 - 232522
EPABX : 04994 - 232893 - 95
04994 - 232090
04994 - 232906



E-mail : director.cperi@icar.gov.in
director.cperi@gmail.com
chowdappa.p@icar.gov.in
Website : http://www.cperi.gov.in

No.40(2)36-2016-Estate XV II (Part II)

Dated: 9.1.2017

Shri Ramesh Naik BN
S/o late Narayana Naik
Shree Vinayaka Nilaya
Ballimogaru,
PO Kudlu, Kasaragod

Sub: Contractual work at CPCRI, Kasaragod – regarding.
Ref: This office work order of even number 9.11.2016 & 26.12.2016.

Sir,

In continuation of this office work order cited above, approval of the competent Authority is hereby conveyed to extend the following farm/lab. works for a **period one month i.e. January, 2017 only**, on the same rate terms and conditions. Further extension of work can be undertaken only after receipt of work order from this end.

Item No	Description of work	Approximate Quantity	Rate(Rs.)	Amount (Rs.)
1	B. Morphological observation in field trials of Genetics section. Morphological characters measurement in the different plots under Genetics section.	Approximately 500 juvenile palm seedlings in the field. (Approximately 8-12 observations)	13.48 per juvenile palm seedling.	6,740.00
6	Sowing of coconut seed nuts in poly bags. Preparation of potting mixture including transportation of sand, soil etc. Leveling the poly bag nursery area, bag filling and sowing seed nuts in poly bags and numbering the poly bags.	Approximately 1690 Nuts	17.90 per nut	30,251.00
14.	PRODUCTION OF PLANTING MATERIALS – (Commercial) Nursery Handling - Coconut Sowing of coconut seed nuts in the nursery which includes transporting of seed nuts from the godown to the field, preparing seed bed, application of treatments in trench as directed sowing seed nut and covering the trench with top soil and mulching with dried coconut leaves as directed.	Approximately 11425 Nuts	3.84 per nut	43,872.00
15	PART B 1. Bunch wise harvesting the matured nuts of previous year pollination. 2. Marking harvested nuts with palm, bunch & nut number, sorting and transporting to seed storage shed. 3. Rope harvest as and when required as directed. Conditions: 1. The climbers should be available with the department from 8AM to 5 PM and attend pollination related work as described above and as directed. 2. All the day wise records of pollination should be maintained by individual climbers and provide as and when required. 3. Work should be done as per the instructions.	10,000 Nuts – Approximately	3.94 per nut	39,400.00
19	Harvesting of matured coconuts once in 60 days, removing dried leaves and spathes from the crown, providing man power for taking harvest notes (counting bunches, nuts in			

	each bunch, female flowers, and discarding barren nuts - sufficient time should be given for taking data entry, loading and transporting harvested nuts to the godown premises, counting the nuts and putting the same in to the godown in the same day of harvest from all the plots (5or 6 rounds)/year. N.B. The harvesting will be started only as per instruction from Farm in charge, SIC (Farm) or in presence of concerned Technical staffs. The number of trees to be harvested per day will be approximate 200.	6,000 palms/round (6 rounds)	47.74 per palm per round	2,86,440.00
21	Providing climber for pest/ disease surveillance and recording observations in different blocks of the institute farm at Kasaragod. Treating diseased and pest infested palms in different blocks of the institute farm at Kasaragod as instructed by Crop Protection/ Farm staff (Entomology/ Farm section)(work has to be undertaken between 8.30 am to 5.00 pm)	25 man days	740/- per man day	18,500.00
35	<u>Beach block- MSCS</u> Maintenance of the plot clean, Planting of component crops which include bed preparation, pit opening, planting, input/fertilizer application as per the treatment, sprinkler irrigation and harvesting of the crop and Nut study	1.6 ha	2,19,000/- for entire work (9/16 to 5/16)	24,333.00
40	a) Soil sample collection	300 samples	63.98/- per sample	19,194.00
	b) Plant sample collection	150 samples	69.98 per sample	10,497.00
47	Maintenance and attending all day to day complaint of Electrical works <ul style="list-style-type: none"> Repair and maintenance of all internal electrical installations in the office/lab buildings /KVK building Assisting Technical Assistant (EE) in operation and maintenance of DG sets Assisting Technical Assistant (EE) in operation and maintenance of substations 	All the residential and non-residential buildings in the Institute	16,900/- per month basis	16,900.00
56	Cleaning of glass wares, drying in oven and staking in proper place in Biochemistry lab; grinding samples, irrigation of pots and cleaning of machineries in APC.	approx. 200 nos./day	Rs.57,500/- for entire work	8,214.00
57	Helping in the fabrication	Entire work	99,900.00	14,271.00
58	Tapping for neera collection and making sugar. <ol style="list-style-type: none"> 1. Tapping involves preparation of the inflorescence as per the instruction of the officers of the Institute 2. Collecting neera in the ice box prescribed by the Institute. 3. The ice bags needs to be cooled and replaced before each tapping. 4. The collected neera to be brought to APC for sugar preparation. 5. Sugar preparation as per the instruction of the Officer 6. Packaging the prepared sugar. 	30 palms X 2 times daily	4,82,088/- for entire work	68,870.00
	Total			5,87,482.00

(Rupees five lakhs eighty seven thousand four hundred and eighty two only)

You have to remit **Rs.29,374/- (Rupees twenty nine thousand three hundred and seventy four only)** being 5% of total charges as Performance Security deposit in FD or DD in favour of ICAR Unit, CPCRI, Kasaragod immediately.

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

Yours faithfully,


Asst. Administrative Officer (Estate)

Copy to:

1. The HD, Crop Production/Crop Improvement/PB&PHT/Social Science, CPCRI, Kasaragod.
2. The Scientists, Genetics/Farm/Physiology/Agronomy/Social Science/Soil Science, -do-
3. The Technical Officer ((Farm/Physiology/ Agronomy/Social Science/Soil Science), CPCRI, Kasaragod.
4. The 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-682 030
7. Guard file.
8. Website.



भाकृअनुप - केन्द्रीय रोपण फसल अनुसंधान संस्थान
कासरगोड, केरल - 671 124 भारत
ICAR - Central Plantation Crops Research Institute
Kasaragod - 671 124, Kerala, India
(An ISO 9001:2008 Certified Institution)



Phone (Off) : 04994 - 232333
Fax : 04994 - 232322
EPABX : 04994 - 232893 - 95
04994 - 232090
04994 - 232996



E-mail : director.cperi@icar.gov.in
directorcperi@gmail.com
chowdappa.p@icar.gov.in
Website : http://www.cperi.gov.in

F. No.40(2)36-2016-Estate XV II (Part II)

Dated: 9.1.2017

Shri Mallappa Alias Mallikarjuna
KK Puram House
PO Kudlu, Kasaragod

Sub: Contractual work at CPCRI, Kasaragod – regarding.
Ref: This office work order of even number dated 01.09.2016 & 26.12.2016

Sir,

In continuation of this office work order cited above, approval of the competent Authority is hereby conveyed to extend the following farm/lab. works for a **period one month i.e. January, 2017 only**, on the same rate terms and conditions. Further extension of work can be undertaken only after receipt of work order from this end.

Item No	Description of work	Approximate Quantity	Rate (Rs.)	Amount (Rs.)
23	Removal of garbage once in a month from all the residential quarters at Hill block, Single Room Apartments and Chummary accommodations at main campus, all guest houses and hostel, waste pit and residential quarters at main campus, central school premises and office.	106 Nos. of residential quarters, 20 Nos. SRA and 3 Nos. Guest house, Hostel and KV No.1 waste pit. (12 rounds)	9,500/- per month	9,500.00
				9,500.00

(Rupees nine thousand five hundred only)

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

Yours faithfully,

Handwritten signature

Asst. Administrative Officer (Estate)

Copy to:

1. The HD, Crop Production, CPCRI, Kasaragod.
2. The Scientist-in-charge/ACTO ((Farm), CPCRI, Kasaragod.
3. The Fin. & Accounts Officer CPCRI, Kasaragod.
4. The DDO, CPCRI, Kasaragod
5. The Asst. Labour Commissioner (Central). Office of the Regional Labour Commissioner, Kendriya
6. Shram Sadan, Olimugal, By Pass Road, Kakkanad, Kochi-682 030
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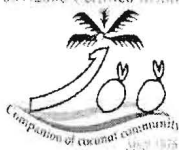
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भाकृअनुप - केन्द्रीय रोपण फसल अनुसंधान संस्थान
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04994 - 232996



E-mail : director.cperi@icar.gov.in
director.cperi@gmail.com
chowdappa.p@icar.gov.in
Website : http://www.cperi.gov.in

No.40(2)36-2016-Estate XV II (Part II)

Dated:9.1.2017

Sri.P.Gangadhara Alva,
Pithru Kripa, Perdala
Badiadka.
Kasaragod Dist.

Sub: Contractual work at CPCRI, Kasaragod – regarding.
Ref: This office work order of even number dated 01.09.2016 & 26.12.2016

Sir,

In continuation of this office work order cited above, approval of the competent Authority is hereby conveyed to extend the following farm/lab. works for a **period one month i.e. January, 2017 only**, on the same rate terms and conditions. Further extension of work can be undertaken only after receipt of work order from this end.

Item No	Description of work	Approximate Quantity	Rate (Rs.)	Amount (Rs.)
15	PRODUCTION OF PLANTING MATERIALS – (Commercial) Pollination Work The pollination work includes: PART A 1. Noting dates of bunch opening, emasculation, bagging, pollination and removal of bag; recording number of female flowers pollinated. 2. Emasculation (removal of male flowers from bunch) 3. Bagging (covering bunch with a cloth bag three days before female flower receptivity) 4. Collection of male spikes from dwarf and tall varieties 5. Processing male flowers to extract pollen grains (sample of each batch of processed pollen to be provided to the lab for testing germination) 6. Dusting pollens on the female flowers (on the bunch covered with bags; should be done before 11AM) 7. Removal of bags (2-3 days after completing pollen dusting in a bunch) and tagging (tying bunches with tags showing bunch number and date of last pollination) 8. Counting number of nuts set on the pollinated bunch. Work quantum indicators: 1. To complete pollination work in one bunch it may take 5-8 climbings 2. One climber can attend to 50 palms 3. Approximately 600 tall and 75 dwarf palms (6500 to 7000 bunches)	Approximately 1000 Bunches	375/- per bunch	3,75,000.00

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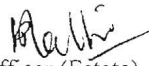
	Conditions: 1. The climbers should be available with the department from 8AM to 5 PM and attend pollination related work as described above and as directed. 2. All the day wise records of pollination should be maintained by individual climbers and provide as and when required. 3. Work should be done as per the instructions.			
40	c) <ul style="list-style-type: none"> Processing soil samples (grinding, sieving) Preparation of required reagents for analysis Extraction and analysis of soil samples for pH, EC, organic carbon, Total N and Av.P, K &S, analysis of Ca, Mg, Fe, Mn, Cu, Zn and B using AAS. Data tabulation of analysed samples in the computer Processing of leaf samples (cutting, grinding) and wet digestion of leaf samples Analysis of leaf samples for N, P, K, & S, analysis of Ca, Mg, Fe, Mn, Cu, Zn and B using AAS. Data tabulation of analysed samples in the computer Note: Persons involved in this work should have experience in the chemical laboratory work and basic computer work.	300 samples	Rate quoted per sample 145/-	43,500.00
41	Washing of laboratory glass wares, drying and stocking in the respective place, and cleaning the laboratories	On daily basis:- 300 nos glass wares, work tables-6nos.	Rate quoted for entire work 52,500/-	7,500/-
42	b) Earthworm multiplication Chopping coconut leaves, Bunch wastes, Transporting cow dung, Sieving of vermicompost and Coir pith compost, Application of water to vermicompost tanks and maintenance of soil less polybag grown crops. Sorting and packing earthworm for sale.	3000 kg leaf wastes 2500 kg bunch waste 3000 kg cow dung 2000 kg vermicompost 2000 kg coir pith compost	Rate, quoted for entire work 1,09,375/-	15,625.00
53	<ul style="list-style-type: none"> Regular operation of SCADA in Open Top Chambers Assisting in measurement of water potential, photosynthetic parameters, chlorophyll fluorescence of coconut & cocoa seedlings. Daily measurement of soil moisture using soil moisture probe to maintain plants at defined stress level. Cleaning & maintenance of Open Top Chambers (six numbers) Measured quantity watering of seedlings in OTC and shade net (120 Nos.) daily, removal of weeds, cleaning the premises of OTCs etc. Assisting in sample collection for analysis, data recording, etc. Replacement of CO₂ gas cylinder at regular intervals. 	5 OTC Weekly Daily Daily Daily Fortnight Need basis	Rate quoted for entire work 95,000/-	13,572.00
70	KVK SALES OUTLET Attending different works in the sales outlet of KVK like selling technological products, billing and maintaining stock and sales registers.	25 days	Rate quoted for man days 310/-	7,750.00
	Total			4,62,947.00

(Rupees four lakhs sixty two thousand nine hundred and forty seven only)

You have to remit **Rs.23,147/- (Rupees twenty three thousand one hundred and forty seven only)** being 5% of total charges as Performance Security deposit in FD or DD in favour of ICAR Unit, CPCRI, Kasaragod immediately.

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

Yours faithfully,


Asst. Administrative Officer (Estate)

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