

PROCEEDINGS OF THE FARM ADVISORY COMMITTEE MEETING
IISR, Chelavoor campus, Calicut – 673 012

F.No.1 (47) FAC/Estt. (2010) 02

Date: 3-3-2010

The FAC met on 1st March 2010 at 11.00 am in the ATIC Hall under the Chairmanship of Dr. M. Anandaraj, PC and the action taken on the following points and new agenda items for approval were discussed:

➤ **Laying irrigation pipe line for DUS & Hybrid pepper plots**

- ✓ Keeping in view of the urgency of the work to protect the young plants, it has been decided to take up the work with the available resources of the farm section. The estimate is of Rs.3000/- (**Action:** Drs. KV. Saji and Johnson K. George and FS, Chelavoor).

➤ **Constructing Rain water harvesting structures in various locations and Altering drinking water supply lines in the Sougandhikam Guesthouse**

- ✓ Work order has been issued on 19-1-2010 and last date of completion is on 28-2-2010
- ✓ Area has been cleared and marked for pit making (**Action:** SIC/ FS, Chelavoor).

The farm section has to ensure that the work has to be completed by 10 of March 2010.

➤ **Change of pipelines in the main building**

- ✓ Work has been completed (**Action:** FS, Chelavoor).

➤ **250 KVA Genset plus 400 A-AMF panel including Accoustic enclosure**

- ✓ Comparative statement for revised specifications has been prepared and expert opinion has been sought and finalized technical specifications (**Action:** SIC/ FS, Chelavoor).

It was emphasized to complete the installation and pay before the ends of the financial year.

➤ **Construction of insect-proof shed for storing rooted cuttings of black pepper under NHM**

- ✓ Work order has been issued on 11-1-2010 and last date of completion is on 27-2-2010

- ✓ Work is in progress (**Action:** Dr. C.K. Thankamani, NHM).
- **Providing focus light including laying separate underground power connection line in the main gate**
 - ✓ Work has been completed (**Action:** FS, Chelavoor)
- **Cutting and removing bamboos touching the LT line leading to pump house**
 - ✓ Quotations have been invited for cutting and auction (**Action:** FS, Chelavoor). Approached Forest Dept. for fixing rate. The Forest official should be contacted personally immediately to complete the work.
- **Pitching of DUS plot**
 - ✓ Work order has been issued on 3-2-2010 and last date of completion is on 2-3-2010
 - ✓ Work has been initiated (**Action:** Dr. Johnson K. George)
It was emphasized to complete the work and pay before the end of the financial year.
- **Fabrication of frames for providing shades to black pepper plants (60 nos.) in DUS plot**
 - ✓ Work order has been issued on 6-2-2010 and last date of completion is on 5-3-2010
 - ✓ Work is in progress (**Action:** Dr. KV. Saji)
It was emphasized to complete the work and pay as per the due date.
- **Fencing of DUS plot**
 - ✓ Quotations have been invited on 22-2-2010 (**Action:** Dr Johnson K. George)
- **Change of HT line in view of construction of Advanced Central Facility Lab**
 - ✓ KSEB should be approached personally to get it done (**Action:** FS, Chelavoor)

General decisions:

1. All the pending work should be completed on *or before 10th March 2010 in order to settle the bills by 15th March 2010.*
2. While inviting quotations, penalty clause should be included so that if the work is not completed in the stipulated period penalty could be levied.

New items proposed for approval:

- **Constructing facilities for re-use of waste water and composting food waste of Canteen**

(Proposed by: SIC/FS, Chelavoor)

- ✓ Locally available and unused materials may be used for constructing facilities by ensuring its durability

- **Contract work proposals for the year: 2010-11**

(Proposed by: HoDs and SIC/Farm Supdt., Chelavoor)

**Proposals for Inviting quotations for Contract Works at IISR, Chelavoor
Campus: 2010-11**

General Farm Work

Work identified	Quantum of Work	Duration of Work	Appro. budget/Cost of the work
1.General maintenance of campus a) Main building, ATIC, Conference Hall, Library, Farm office, Canteen, Driver's room, Supporting staff room, Accreditation lab, Biocontrol lab (Pathology & Entomology)	Cleaning all rooms & corridors daily; dusting windows and fans once in a week (Wednesday); disinfection of the above said rooms & corridors twice in a week (Monday & Thursday); watering and maintenance of potted plants kept inside and outside of these buildings/office premises	1-4-10 to 31-3-11	Rs 3.0 Lakh

b). Garden and road maintenance	Sweeping roads and uprooting weeds thrice in a week (Monday, Wednesday & Friday) from the entrance to main building and upto Farm office; clearing the blocks in the drainage channels in both sides of the road; upkeep the lawn near main building, ATIC, Farm office, Guesthouse and maintaining terraces by weeding regularly.		
2. Electrical, plumping and other works	Minor repairs in power line, equipments in lab, removal and repair of blocks/leaks in pipelines, whenever required.		Rs 40000
4. Intercultural operations in the cropped areas	Cutting, removing and mulching the wild growth in the tree spices and Coconut gardens (7 ha x 2 times)	--	Rs 60000
5. Harvest and transportation of farm produce, especially for coconut*	Harvesting coconut and transporting to farm office (340 palms x 6 times)		Rs 30000
6.Manuring coconut palms	Base opening by removing soil at 1.8 m radius, 30 cm depth and applying 50 kg green leaf, fertilizers and covering with soil (400 big palms)		Rs 10000
	Removing soil and applying green leaf and fertilizers (275 small palms)		Rs 8000

Maintenance of Guesthouses			
<i>Cleaning and washing guest houses</i>	<p>a) Cleaning all rooms and corridors of both guest houses including washing floor, removing dust/cobweb ect.on furniture and fittings and on wall in and around the building.</p> <p>b)Washing and cleaning toilet, wash basins and arranging rooms which include changing bead spreads and pillow covers etc. and make the room neat and tidy .</p>	Complete work for 60 times	Rs.35000
<i>Washing cloths</i>	<p>Washing cloths by using washing machine, drying and putting bed sheets and pillow covers-44 sets as and when required as per the instructions of OIC guest houses(detergent ,water and electricity will be provided by institute)</p>	Complete work for 40 times	
<i>Attending guests during night</i>	<p>Attending duty during night hours when guests are staying in G H including serving dinner collecting charges, preparing and serving tea/light refreshments and other works in connection with the stay of the guests</p>	Complete work for 40 times	
<i>Attending duty during day times</i>	<p>Serving breakfast, lunch during the VIP visit and connected works</p>	Complete work for 25 times	

*Quotations may be invited combinely for harvesting and sale of coconut (per palm basis)

Crop Improvement and Biotechnology

Work identified	Quantum of Work	Duration of Work	Approximate budget/Cost of the work
Tissue culture lab	General maintenance and cleaning - every day Cleaning the Inside of the TC lab, swiping the lab with savlon - twice in a week . Washing the glassware and other utensils (about 500 items) – once a week	April 2010-March 2011	Total = 1 lakh approx
Accreditation lab	General maintenance and cleaning - every day Washing the glassware and other lab ware (about 500 items) – once a week Preparing the potting mixture and filling bags etc. - about 50-100 a week.		
Nurseries and hardening facility (3 small and one big nursery)	General cleaning and maintenance in and around the nurseries – once a week Watering of plants in all the nurseries and hardening facility – everyday Application of fertilizers/ fungicides/pesticides etc in all the nurseries – once in a month		
Pots	Preparing the potting		

<p>And</p> <p>Field maintenance of mapping population.</p>	<p>mixture and filling pots - about 1000 –a year</p> <p>General cleaning and maintenance in and around the field where pots are maintained – once a week</p> <p>Watering of plants in pots – everyday during dry months and once in a week during monsoon</p> <p>Application of fertilizers/ fungicides/pesticides etc in all the nurseries – once in 3 months</p> <p>Field maintenance of mapping population- tying vines, Shading, mulching, pruning standards (about 500 vines/ standards)- once in three months,</p> <p>Preparing basins, digging and planting of about 500 vines- once in an year (during monsoon).</p> <p>Watering of plants – once in a week during dry months</p> <p>Application of fertilizers/ fungicides/pesticides etc – once in 3 months.</p> <p>Shade regulation of Jack standards (about 120 trees) - twice in a year.</p>		
<p>Germplasm nursery shed</p>	<p>Irrigating bush pepper germplasm (50 nos.)</p> <p>Application of fertilizers</p>	<p>Alternate days</p> <p>Once in three</p>	<p>Rs. 5000</p>

		months	
	Application of plant protection chemicals	Once in three months	
DUS plot	Planting black pepper (about 125 nos.), ginger & turmeric	June, 2010	15000
	Irrigating DUS plot	Twice in a week for the period: March, April & May 2010	6000
	Application of Plant protection chemicals	Once in three months	1000
Hybrid pepper plot	Planting black pepper by taking pits, filling it with FYM, mulch etc (1000 nos)	June, 2010	80000
	Maintenance of plot (1.0 acre)	June onwards	Rs.50000 (approximately)
Paprika germplasm maintenance	<ol style="list-style-type: none"> 1. Raising nursery including preparation in raised beds, preparation of potting mixture, filling of poly bags/pots, transplanting of seedlings to poly bags/pots. 2. Daily experimental plot maintenance and cultural operations (Watering – Morning & Evening daily, weeding, mulching, fertilizer application, fungicide and pesticide/nematicide application etc.) 3. Harvesting and processing (extraction of seeds and pericarp, drying etc.) for analysis and storage. 	April 2010 – March 2011	Rs. 30000

Central Instrument Facility & other CI Labs	Washing glass wares (about 200 nos./day) Cleaning and maintaining CIF	April 2010 – March 2011	
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CROP PRODUCTION & POST-HARVEST TECHNOLOGY

Biochemistry , Physiology & Organic chemistry labs

Work identified	Quantum of Work	Duration of Work	Approximate budget/Cost of the work
1. Cleaning glass wares	Approx. 100 Nos./day (30,000 nos./year)	1 year	Total= Rs. 40,000/-
2. Washing, cleaning, drying and powdering leaf samples	900 samples	April 2010 –March 2011	
3. Drying and powdering pepper, ginger and turmeric samples	200 samples		
4. Watering pot plants in Shed	100 Nos.		
5. Powdering and processing of the samples received thro' CPC for biochemical analysis	300 samples		
Soil Science and Agronomy Labs			
• Washing glass wares	Aprox. 80 pieces per day (25,000 pieces per year)	1 year	Total= Rs. 40,000/-

<ul style="list-style-type: none"> • Air drying and sieving soil samples 	1000 samples per year	April 2010 –March 2011	
<ul style="list-style-type: none"> • Washing, cleaning, drying and powdering leaf samples 	800 samples per year		
<ul style="list-style-type: none"> • Drying & powdering pepper; Peeling, drying, powdering ginger and turmeric samples 	250 samples per year		
<ul style="list-style-type: none"> • Watering pot plants in shed 	50 nos.		
<ul style="list-style-type: none"> • Powdering and sieving the samples received through CPC for nutrient analysis 	300 samples per year		

NHM Nursery Works in Chelavoor farm

Production of rooted black pepper cuttings (100000 Nos.) by serpentine method by following package of practices viz., Preparation of potting mixture and filling in polythene bags (20 x 10 cm size), Multiplication of black pepper in serpentine method, irrigation, application of plant protection chemicals, harvesting of single nodes at proper intervals and planting, removal of diseased cuttings, cleaning the nursery and premises, shifting of rooted cuttings to shed.

Approximate estimate: Rs.25000/-

Field work:

Maintenance of mother vine plot of black pepper- (600 nos)

1. Weeding , tying of vines with standards - 24 times
2. Nutrient application - 12 times
3. Irrigation (April – June) - 45 times
4. Harvesting and planting of 3 noded cuttings in polythene bags - February (1000 nos.)

Approximate estimate: Rs.36000/-

CROP PROTECTION

No.	Item of work	Quantum of work	Duration	Approx. budget
I	Pathology Section		One year April 2010 –March 2011	Total = Rs. 1.70 lakh
i	Laboratory			
1	Cleaning glassware and other labwares	50-100 petri plates, 20-50 beakers, 100-150 test tubes, 20-30 conical flasks daily.		
ii	Experimental sheds			
1	Watering and maintenance of plants	Approximately 750 pots and 2000 polybags of pepper, ginger and turmeric in 5 sheds daily		
2	Sweeping and cleaning the sheds and work benches.	Twice a week in 5 sheds		
3	Cleaning the shed premises by weeding, cutting and removal of unwanted plants and dried leaves	2 metre surroundings of 5 sheds at weekly intervals		
4	Filling pots and poly bags, planting ginger, turmeric, black pepper, etc.	As per requirement		
5	Preparation of potting mixture	50 cft/month		
iii	Green house			

1	Watering and Maintenance of plants in pots and polybags	3 portions with work benches (approximately 1500 sq. ft.), daily.		
2	Cleaning greenhouse premises by sweeping, weeding and removal of un-wanted plants and dried leaves	2 metre of surroundings of green house at weekly intervals.		
	Filling pots and polybags with potting mixture and planting black pepper, ginger, turmeric, etc.	As per requirement		
II	Entomology/Nematology Section			
i	Laboratory			
1	Cleaning glassware and other lab-ware.	200-300 pieces, daily		
2	Preparation and steam sterilization of potting mixture	100 cft /month		
3	Cleaning and maintenance of experimental cages of insect cages /iron racks	50 /day		
ii	Experimental sheds			
1	Watering and maintenance of plants	Approximately 400 pots / ploybags of black pepper, ginger and turmeric in 2 sheds, daily		
2	Sweeping and cleaning the sheds	Twice a week, in 2 sheds		
3	Filling pots and polybags with potting mixture and planting	As per requirement		

	black pepper, ginger, turmeric, etc.			
4	Cleaning shed premises by sweeping, weeding and removal of un-wanted plants and dried leaves	2 metre surroundings of 2 sheds, at weekly intervals		

It was suggested to give comprehensive proposals for quantifying the work with realistic estimates.

Total Estimate of Contract work at Chelavoor Campus for the year: 2010-11

<u>Item of Work</u>	<u>Budget (Rs. in Lakh)</u>
General maintenance of campus	Rs. 3.40
Cultural operations Chelavoor farm	Rs. 1.80
Maintenance of Guesthouses	Rs. 0.35
Crop improvement and Biotechnology	Rs. 3.11
Crop production & PHT	Rs. 0.80
Crop Protection	Rs. 1.70
NHM	Rs 0.61
Total	= Rs. 11.77

The above items are approved by FAC.

(KN SHIVA)

Scientist-in-Charge

Chelavoor

Copy to:

All the concerned through LAN