



# INDIAN INSTITUTE OF SPICES RESEARCH



(Indian Council of Agricultural Research)

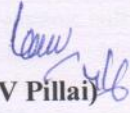
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F.4-162/Plan /2014-15/Stores

04 June 2014

## CIRCULAR

The list of plan equipments proposed to be purchased during the current financial year 2014-15 is enclosed. All concerned are requested to furnish the indents with correct specification on or before 30-06-2014.

  
(K V Pillai)

Administrative officer

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Copy to

1. HODs
2. Head CRC Appangala
3. Scientist- in-Charge ( Peruvannamuzhi/KVK)
4. FAO



**Item No. 1: LIST OF EQUIPMENTS TO BE APPROVED BY IMC FOR PURCHASE DURING 2014-15**

No.	Item	Replacement / New	Nos	Imported / Indian	Amount (Rs Lakhs)*	Remarks
<b>CROP IMPROVEMENT</b>						
1	Refrigerated Centrifuge	Replacement	1	Imported	3.00	For use in molecular biology lab
2	Refrigerated water bath/shakers	Replacement	1	Imported	1.50	For use in molecular biology and transgenic labs
3	Refrigerators	Replacement	2	Indian/Imported	0.50	For use in tissue culture, molecular biology, transgenic and RNA Labs
4	Table top shakers	Replacement	2	Imported	4.00	To maintain embryogenic cultures
5	-20/30 °C freezers	Replacement	1	Imported	3.00	To maintain molecular biology enzymes and chemicals and storage of RNA/DNA
6	Electrophoresis units	New	2	Imported	4.00	For use in molecular biology lab
7	5 KV UPS for 3 hours	2 replacement and 1 new	2	Indian	3.30	For providing uninterrupted power supply to molecular biology, phenomics and transgenic labs
8	Tissue Culture Racks (Incubator type)	New	2	Indian	2.00	For use in vitro gene bank for micro rhizomes for NEH
	<b>Sub Total</b>				<b>21.30</b>	
<b>CROP PRODUCTION</b>						
8	Solar drier	New	1	Indian	4.00	Drying turmeric and ginger
9	Infra red gun	New	1	Imported	5.00	For canopy temperature studies
10	UPS 7 KVA for HPLC	New	1	Indian	2.00	For providing power to HPLC
11	Spares, columns for GLC & HPLC	Replacement	-	Imported	5.00	For functioning of existing GLC and HPLC on GxE studies at NEH
12	GC-MS accessories	Replacement		Imported	3.00	For the existing GC-MS on GxE studies at NEH
13	Minor equipments	New/replacement		Indian	5.00	Microwave ovens, fridge, water baths, vortex stirrer, pH meters, distillation units, vortex mixture, Pippettes, bottle top dispensers, etc.
	<b>Sub Total</b>				<b>24.00</b>	
<b>CROP PROTECTION</b>						
14	Laminar air flow	Replacement	2	Indigenous	3.00	Replacement of laminar flows that are more than 10 years old
15	Air-conditioners with stabilizers	Replacement	4	Indigenous	2.00	Replacement of ACs that are more than 10 years old in culture rooms / laboratories
16	Table top centrifuge	New	1	Imported	2.50	For routine lab use



17	BOD Incubator with Shaker	New	1	Indian	3.00	For culture maintenance of entomo-pathogens collected from nontraditional/ unexplored NEH areas
18	BOD	New	1	Indigenous	1.00	Storing microbial/EPN cultures
19	Electronic balance	New	1	Imported	2.00	For lab studies
20	Digital camera	New	1	Indian	0.30	Minor equipments for lab use
	<b>Sub Total</b>				<b>13.80</b>	
<b>SOCIAL SCIENCES</b>						
21	Video conferencing facility	New	1	Indigenous	4.00	For virtual class room facility
22	Exhibition kit & accessories	New	1	Indigenous	1.50	For participation in off campus exhibitions
23	LCD Projector	Replacement	1	Indigenous	2.00	The present projector is more than 8 years old and is not functioning.
24	Air-conditioners with stabilizers	New	2	Indigenous	1.00	Replacement / New purchase of ACs for use in ATIC Seminar Room and Museum Room
	<b>Sub Total</b>				<b>8.50</b>	

#### Experimental Farm, Peruvannamuzhi

No.	Item	Replacement / New	Nos	Imported / Indian	Amount (Lakhs) **	Remarks
1	Solar street light	New	5	Indigenous	2.50	For lighting the farm roads
2	Irrigation equipments (Pumpsets (4 nos), screen filters (3 nos), pipes and fittings, drip irrigation	New	-	Indigenous	5.00	For replacing the old pumpsets, pipes and brining new areas under irrigation backup
3	Lightning Arrester (Centralized)	New	5 sets	Indigenous	4.00	Protecting the farm buildings from lightning damage
5	Packaging machine for spices and powders	New	1	Indigenous	1.00	For processing the farm produce
	<b>Sub total</b>				<b>12.50</b>	

#### CRC, APPANGALA

No.	Item	Replacement / New	Nos	Imported / Indian	Amount (Lakhs) **	Remarks
1	Photosynthetic system	Replacement	1	Imported	15.00	For photosynthetic studies in spices.
2	Refrigerators	New	2	Indian	1.00	For storing samples
3	Air conditioner with stabilizer	New	2	Indian	1.00	For laboratory use
4	Cardamom drier(bin type) and polisher	New	1	Indian	2.00	Present dryer is old, and labour requirement to operate is high.
	<b>Sub Total</b>				<b>19.00</b>	
	<b>Grand Total</b>				<b>99.10</b>	