

Second Research Council Meeting

Proceedings of the second Research Council Meeting of Agriculture University, Kota held on 7th August, 2018 at 11.00 AM at Agricultural Research Station, Ummedganj, Kota.

The Second Research Council Meeting of Agriculture University, Kota was held on 7th August, 2018 at Agricultural Research Station, Ummedganj, Kota. The following members were present:

S. No.	Name	Designation
1.	Prof. G. L. Keshwa	Hon'ble Vice-Chancellor, AU, Kota and Chairman
2.	Prof. B.R. Chhipa	Expert Invitee; Hon'ble Vice-Chancellor, SKRAU, Bikaner
3.	Prof. S.R. Maloo	Expert Invitee; Ex Director Research & Dean, RCA, MPUAT, Udaipur
4.	Dr. R.K. Singh	Expert Invitee, Head, ICAR-IISWC, Dadwada, Kota
5.	Sh. P. K. Gupta	Jt. Dir. (Hort.) (Nominee: Director Horticulture, Pant Krishi Bhawan, Jaipur)
6.	Dr. Pratap Singh	Director Research, AU, Kota
7.	Dr. K. N. Ojha	Director HRD, AU, Kota
8.	Dr. K. M. Gautam	Director Extension Education, AU, Kota
9.	Dr. (Mrs.) Mamta Tiwari	Director, PME, AU, Kota
10.	Dr. J. M. Dhakar	Director Education, AU, Kota/Assoc. Director seed, AU, Kota/ Prof. & Head, Dept. of Gen. & Pl. Breeding, COA, Kota/ O/ ARSS, Aklera,
11.	Dr. M. C. Jain	Director Student's Welfare, AU, Kota/Dean & ZDR, ARS, Kota/ Prof. & Head, Dept. of Horticulture, COA, Kota
12.	Dr. I.B. Maurya	Dean, CH&F, Prof. & Head, Dept. of Vegetable Science, CH&F, Jhalawar
13.	Dr. Jitendra Singh	Prof. & Head, Dept. of Fruit Science, CH&F, Jhalawar
14.	Dr. S.K. Jain	Prof. & Head, Dept. of Postharvest Technology, CH&F, Jhalawar
15.	Dr. Ashutosh Mishra	Prof. & Head, Dept. of Floriculture & landscaping, CH&F, Jhalawar
16.	Dr. P. S. Chauhan	Assoc. Prof. & Head, Dept. of Forest Biology & Tree Improvement, CH&F, Jhalawar
17.	Dr. S. B. S. Pandey	Prof. & Head, Dept. of Silviculture & Agroforestry, CH&F, Jhalawar
18.	Dr. H. R. Chaudhary	Prof. & Head, Dept. of Entomology, COA, Kota
19.	Dr. Chandra Prakash	Prof. & Head, Dept. of Agronomy, COA, Kota
20.	Dr. C. B. Meena	Asstt. Prof. (Plant Pathology), ARS, Kota (Coopted member)
21.	Dr. Mahendra Singh	Sr. Scientist & Head, KVK, Kota (Coopted member)
22.	Er. I. N. Mathur	Asstt. Prof. (CS & W), ARS, Kota (Coopted member)
23.	Dr. R. S. Narolia	O/ I MAF, Kota & ARSS, Khanpur, Jhalawar (Special invitee)
24.	Dr. Ram Asarey	Nodal Officer Zone IIIB and Sr. Scientist & Head, KVK, Sawai Madhopur) (Special invitee)
25.	Dr. H. P. Meena	Farm Incharge, Sultanpur Farm, Kota (Special invitee)
26.	Sh. Pradeep Kumar	Asstt. Prof. (Agronomy), ARSS, Aklera, (Special invitee)
27.	Dr. Varsha Gupta	Asstt. Prof. (Agronomy), ARSS, Khanpur, (Special invitee)
28.	Dr. Baldev Ram	Dy. Dir. Res., AU, Kota (Special invitee)
29.	Dr. Chaman Jadon	Asstt. Dir. Res., AU, Kota (Special invitee)

The following officers of Govt. of Rajasthan did not attend the meeting

1. The Commission/Director Agriculture, Pant Krishi Bhawan, Jaipur
2. The Chief Conservator of Forest, Jaipur

Dr. Pratap Singh, Director Research and Member Secretary, welcomed all the members of 2nd Research Council and eminent experts. He also welcome and introduced the eminent experts Dr. B. R. Chhipa, Hon'ble Vice Chancellor, SKRAU, Bikaner, Dr. S. R. Maloo, Ex. Dean, RCA (MPUA&T), Udaipur, Dr. R. K. Singh, Head, IISWC, Dadwada, Kota and Sh. P.K.Gupta, Jt. Director (Horticulture), Kota nominee of Director Horticulture, Pant Krishi Bhawan, Jaipur.

The following agenda items were discussed in the meeting.

Presentation of Action Taken Progress Report of 1st Research Council Meeting by Director Research, AU, Kota

Dr. Pratap Singh, Director Research, presented the action taken report of 1st research council meeting progress made during the stipulated period i.e. 18th July 2016 to 6th August, 2018. During the 1st research council meeting's agenda items and same were executed in the stipulated period. All four agenda items were resolved and notified vide letter viz.; i. to restructure the testing fee for soil and water analysis for the agencies letter No. DR/AUK/2016/11363-81 dt. 30.12.2016, ii. proposal for need based research for the zone IIIB by KVK, Sawai Madhopur DR/AUK/2016/11363-81 dt. 30.12.2016, iii. proposal for MoU with Regional Station of ICAR-Indian Institute of Soil & Water Conservation, Dadwada, Kota DR/AUK/2016/11404-23 dt. 30.12.2016 and iv. to established a regular sub centre of AICRP on Rapeseed & Mustard etc. were resolved DR/AUK/2016/11461-88 dt. 30.12.2016. Some other actionable points have been proposed and implemented by concerned unit heads/Incharges for fulfilment of the assigned work. The details of assigned work progress made by the different units are summarized here:

- Perspective plan of the university seed production programme at research stations as well as KVK farms by proper monitoring under the direct supervision of Associate Director Seed with concerned crop breeder and ascertain the quality of seed grading, tagging and testing properly before seed selling: research stations as well as KVKs are take breeder and T/L quality seed programme and monitoring & evaluation has been done time to time by a seed monitoring committee headed by Associate Director Seed. **Action taken by Assoc. Dir. (seed)**
- Resource based agriculture is the need of hour – resource based research priorities for the marginal, small & large farmers: works are under progress in the AICRP on IFS and for strengthening the IFS research RKVY sponsored project work also going on to cater the objectives for fulfillment of assured round the year income security laid by Dr. J. P. Tetarwal. The recommendations come out will be replicated to the beneficiaries. **Action taken by ZDR**
- A system of Rice Intensification (SRI) in paddy is a better viable technology and to be popularized among the farmers as resource saving technology: live demonstration of SRI was displayed in Smart Farm on the occasion of GRAM during 24-26th May, 2017 at Kota. SRI field demonstrations (06) were conducted at farmer's fields under ORP, AICRP on IWM. **Action taken by ZDR**
- Deterioration in soil health is the major cause of decreasing crop productivity and sustainability and require long term research work for sustainable crop production: experiment on organic farming Institute/RKVY sponsored project under Mahrishi Parashar Krishi Sodh Peeth laid by

Dr. B. S. Meena and crop residue management RKVY sponsored project laid by Dr. R. S. Narolia have been initiated research work in this line. **Action taken by ZDR**

- Use of micro nutrients for improving the nutrient use efficiency: micronutrients recommendations for various crops have been recommended & included in the package of practices of the zone V and are being adopted by the farmers. **Action taken by DR/ZDR**
- University must have to initiate new innovations in research for getting additional funds, recognition & visibility: besides regular 15 AICRPs, university has got 74 projects from various sponsored agencies/donors viz.; RKVY (20), MIDH (01), EPBS (01), ATMA (01), BRNS (01) and product testing projects (50) attain total outlay of Rs.51.35 crores. New innovative research works on future crops like Chironji, Quinoa, Chia, Makhangrass, Chicory, Strawberry & Drumsticks etc. have been initiated. **Action taken by DR/ZDR**
- University must have to initiate new innovations research against abiotic and biotic stresses management in field crops: under net work projects of AICRPs abiotic and biotic stresses management in field crops work are going on and under RKVY sponsored projects research works have been initiated especially on crop residue management, IFS, coriander, soybean & fertigation. A BRNS sponsored project on development of YMV resistant varieties in urdbean is under progress. **Action taken by DR/ZDR**
- Promotion of alternate crops for soybean in *kharif* season for ensuring certain returns under adverse climatic conditions: alternate crops are urdbean, maize & mungbean have been suggested for sizeable area for the zone V. **Action taken by ZDR**
- Need for development of resource efficient technologies specially in water sector to conserve rain water & it's efficient use: 81 production technologies have been recommended including water use efficient technologies i.e. SRI, DSR, BBF, FIRB, Dead furrow, Pressurized irrigation-drip, mini sprinkler & Fertigation schedule etc. **Action taken by ZDR**
- Exploring the funding agency/donor for strengthening of Agro-forestry in Hadoti region: under RKVY sponsored a project entitled "**Development of live vegetation barriers for pasture lands in hadoti region**" has been submitted to the Project Manager, Watershed, Kota laid by Dr. V. C. Prahlad, CH&F, Jhalawar. **Action taken by DR/Dean CH&F Jhalawar**
- Strategic focused on organic farming and dry land agriculture: Organic farming research work has been initiated at ARS, Kota under the aegis of "Mahrishi Parashar Krishi Sodh Peeth" and CRIDA, Hyderabad funded volunteer center of AICRPDA for dry land agriculture has been initiated at ARSS, Aklera. **Action taken by DR/ZDR/ Unit I/c**
- Crop diversification, intensification & integrated farming system models for small and marginal farmers to augment the round the year income security: research works on crop diversification, intensification & integrated farming system models for small and marginal farmers have been started under RKVY project at ARS, Kota. Some crop diversified recommendations has been generated & recommended to the farmers. **Action taken by DR/ZDR**
- Research prioritises on soil health especially on soil organic carbon and micro nutrients: under RKVY projects research works have been initiated especially on crop residue management; organic farming under the aegis of "Mahrishi Parashar Krishi Sodh Peeth" and micro nutrient research work under taken in different AICRPs' have been initiated at ARS, Kota. **Action taken by DR/ZDR**
- Timely release of weather & crop management advisory before the things come in epidemic situations: Agro-advisories being released time to time by the Agromet project, ARS, Kota. **Action taken by ZDR**

Presentation of Research Progress Reports by Director Research, AU, Kota

Dr. Pratap Singh, Director Research, presented the salient research progress & achievements from 2015-17. He informed the house that during last years, sincere efforts were made to bring new research projects from different funding agencies. During the last 3 years, University has got one regular AICRP project on Rapeseed & Mustard, EPBS (01), MIDH (01), BRNS (01), RKVY (20), ATMA (01) and product testing projects (50). He acquainted the house that 7 varieties of different crops have been developed and notified by CVRC/SVRC viz., Kota Soya 1 (RKS 113) of soybean, Mukundra Urd 2 (KPU 405) of Urdbean, Kota Barani Alsi 3 (RL 29202) & Kota Barani Alsi 4 (RL 10193) of Linseed, Kota Masoor 1 (RKL 607-1) & Kota Masoor 2 (RKL 14-20) of Lentil and Kota Rajmash 1 (RKR 1033) of Rajmash were recommended for the state and different parts of India. Similarly, 16 developed varieties of different crops were also tested at ARS, ATCs, KVKs and after approval by the ZREAC recommended for the zone V. He also informed the house that higher production and profitability can be achieved through the adoption of crop production and protection technologies of field as well as horticultural crops. Out of 58 production technologies; 36 of crop production, 05 of crop protection and 17 of horticultural crops have been developed and recommended for the zone V. Similarly, new innovations in grafting techniques for mass queen production for increasing population for more honey production in every year replaced by the honeybee keepers and also commercially sell out to queen to other honey keepers for fetching additional income. Other innovations standardized & developed "Santra Wine Production Techniques" from non marketable mandarins & small size (25-30 % fruits) which can be used for wine production to augment additional income by Mandarin growers of Jhalawar district. Another viable unit of honeybee production and proliferation in the zone V which was benefited to the honeybee keepers for organized 40 trainings (1687 trainees) by honeybee project; 225 trained youth have been motivated for start up their self-employed business. Out of 225 youth, 4 youths have been recognized and awarded best start up youth for self-employment at state as well as district level. He also stress out for the promotion of resource saving technologies for tribal areas under Tribal sub plan for enhancing sustainable crop production with efficient management techniques. In the same line AICRP on Irrigation Water Management under TSP programme dug out two tubewells, distributed HDPE pipe line and sprinkler set were distributed to 67 tribal farmers by creating a water management co-operative committee and results of 3 years inferred that by the use of tubewells with water conveyance by HDPE pipe line and sprinkler irrigation wheat productivity enhanced and water use efficiency increased.

During last 3 years (2015-16 to 2017-18) university has produced 37413 q seeds of various categories out of which breeder seed production was (22074 q), quality seed production (11999 q) and RSSC/other agencies (3340 q) of different *kharif* and *rabi* crops. Out of these, University fulfill the DAC indents of breeder seed on priority and other quality seeds were made available to the NGOs & farmers. A very good outlay was fetched from seed sector of different farms of University during the last 3 years. The Secretary, Ministry of Agriculture & Farmers Welfare, New Delhi also issued a appreciation certificate to Vice Chancellor, Agriculture University, Kota for the successful implantation of Enhancing Breeder Seed Production (EBSP) and fulfillment of assigned target of breeder seed production during the year 2016-17 and 2017-18. Dr.Singh requested the Nodal officer of the IIB zone to take initiatives for research and development of the zone. Dr.Pratap Singh also focused on the future research plan of the university.

Dr. M. C. Jain, Zonal Director Research, Agricultural Research Station, Kota presented the salient research achievements of agro-climatic Zone-V. Dr. Jain informed about the staff position of teaching & non-teaching sanction, filled & vacant up to 31st July, 2018. The position of teaching staff is lying vacant of 43.5 per cent and on-teaching 44.6 per cent in comparison to total sanctioned posts. He also appraised the research facilities available at the station (Phytopathology lab, Honeybee processing lab, Soil & Water testing Lab and Plant Health Clinic), 81 technologies generated either varietal development; crop production & crop protection including horticultural technologies which were incorporated in the package of practices, newly generated technologies transferred to ATC for further verification of field testing, seed production, extension activities and research priorities. He also informed the house detailed features of 07 developed varieties & 16 different crop varieties included in package of practices; 36 crop productions, 05 crop protections including 17 horticultural technologies generated, commercialized and included in the package of practices for the zone V. This station demonstrated 553 front line demonstrations to the farmers' field in a cluster mode approach to show the worthy impact of new variety with full package technology for enhancing the field crops productivity in comparison to farmers' practices. Similarly, this station produced quality seed production of *kharif* and *rabi* crops which were 7788 q of total quality seed production during last three years. Out of which, production nucleus seed (20.0 q), breeder seed (2545 q), foundation seed (173 q), certified seed (1253 q) and truthful labeled seed (3797 q). He informed the house that station generated additional income through consultancy services in the field of phytopathology laboratory analyzed 506 samples for pesticides residues worth Rs. 42.6 lakh; apiary unit sold quality 1513 kg honey received from coriander, fennel, mustard of worth Rs. 3.41 lakh; soil & water testing laboratory analyzed 6006 soil samples provides 44391 different parameters of worth Rs. 6.27 lakh and plant health clinic diagnoses 307 plant samples for insect-pests, diseases, nutrient deficiency & weeds and their solutions were suggested to the farmers'.

He also further acquainted the house for distinguished dignitaries visited at ARS, Kota like Dr. Prabhu Lal Saini, State Agriculture Minister, Smt. Neel Kamal Darbari, Additional Chief Secretary & Principle Secretary Agriculture, Sh. Prahlad Gunjal, MLA (North Kota), Smt. Chandrakanta Meghwal, MLA (Ramganjmandi), Sh. Raghuveer Singh Meena, Divisional Commissioner, Kota, Dr. V. P. Chahal, ADG (Agri. Extn.), Dr. A. K. Vyas, ADG (HRD), Sh. Onkar Singh, Divisional Commissioner, Kota & Ex. VC, AU, Kota, Dr. P. K. Dashora, Ex. VC, AU, Kota. The monitoring team constituted by respective Director/Project Coordinators' of different ongoing AICRP projects like Linseed, Mustard, Chickpea, MULLaRP, Sugarcane, Rice and Pigeonpea were visited at ARS, Kota. This station organized 55 training programmes on various aspects viz., water management under TSP, beekeepers under RKVY & TSP, soybean, mustard and trainers training etc. to the 2345 farmers' of Agriculture University jurisdiction. Various human resource management and academic scaling activities were done by ARS scientists (119) to participated in QRT, conference, seminar, symposium, workshop, trainings on short courses, summer & winter school etc. and strengthens the university research & extension in a form of publications (110) in various referred journals, technical bulletins, folders, training manuals and popular articles for the dissemination on latest developed production technologies to the stakeholders. The station is also strengthened by the creating infrastructure, renovation of guest house, construction of new training hall, seed sale godown, threshing floor & implements shed, purchased on implements and bring out additional area under cultivation through financial support aided by the various funding agencies/donors (RKVY, EBSP and private).

Dr. R. S. Narolia, I/c ARSS, Khanpur presented the land utilization pattern of Khanpur where quality seed production programmes being carried out in the *kharif* and *rabi* season. The quality seed production scenario of last 3 years of ARSS, Khanpur are summarized as *kharif* season (590.7 q), *rabi* season (1637.6 q) and total production (2228.3 q). He also acquainted the house for the creation of infrastructure facilities like interlocking cemented road, gravel road & farm electrification, covered threshing floor & farm implement shed and boundary wall construction etc. for enhancing quality seed production. He also highlighted progress of guava (1.0 ha) and pomegranate (1.0) production and sell out their products through open auction along with round the year management except critical inputs.

Dr. J. M. Dhakar, I/c ARSS, Aklera presented the land utilization pattern of Aklera where quality seed production programmes being carried out in the *kharif* and *rabi* season. The quality seed production scenario of last 3 years of ARSS, Aklera are summarized as *kharif* season (497 q), *rabi* season (1338 q), zaid season (4 q) and total production (1839 q). He also highlighted progress of guava (1.0 ha) and mandarin (0.5 ha) production and sell out their products through open auction along with round the year management except critical inputs. He also informed the house other developmental activities like organization of 10 farmers' trainings for the total beneficiaries were 440 during the last 3 years. He also elaborated the experiments being carried out under volunteer centre of AICRP on Dryland Agriculture and results are summarized as; Integrated nutrient management in different intercropping system under dryland condition revealed that significantly higher soybean equivalent yield (1675 kg/ha) and net return (Rs.40305/ha) was recorded under soybean + pigeonpea (4:2) intercropping system being at par with urdbean + pigeonpea (4:2) intercropping system. Application of nutrient 50 % inorganic + 50 % through FYM gave maximum soybean equivalent yield (1489 kg/ha) remained on par with application of 75 % RDF inorganic + 25 % through FYM while, maximum net return was fetched under application of 100 % RDF through inorganic fertilizer as compared to organic sources. Another experiment Effect of different tillage and conservation practices on yield of soybean crop under dryland conditions further revealed that significantly higher seed yield (1703 kg/ha) and net return were recorded under deep summer ploughing + harrowing + cultivator over remaining tillage practices. BBF method of soybean sowing gave the maximum yield (1654 kg/ha) and net return over different moisture conservation practice. The other experiment on Nutrient management in soybean based double cropping system under residual moisture inferred that application of nutrient 50 % RDF (inorganic) + 50 % through FYM + sulphur @ 10 kg/ha gave maximum soybean seed yield (1497 kg/ha) and net return remained on par with the application of 50 % RDF (inorganic) + 50 % through FYM (1462 kg/ha) compared to rest of the treatments. He also acquainted the house for the creation of infrastructure facilities at the center.

Dr. R. S. Narolia, I/c MAF, Kota presented the scenario of land utilization pattern for the use of seed production. Out of 484 ha area only 280 ha is being under cultivation. The seed production scenario during last 3 years are as in *kharif* season (3057 q), in *rabi* season (18204 q) and total production (21261 q). He also stress out the breeder seed statistics of last 3 years viz., soybean (1279 q), urdbean (113 q), pigeonpea (96 q), mungbean (73 q), paddy (27.1 q), cowpea (3 q), wheat (9443 q), chickpea (1767 q), mustard (100 q), pea (89 q), coriander (33 q), fenugreek (10.6 q), lentil (48 q) & linseed (29 q). He also informed the house about creation of 12.0 ha in the field No. 25, 51, 52 & 57 for the production of additional breeder seed production.

Dr. J. M. Dhakar, ADR (Seeds), AU, Kota presented the over view of seed production scenario of university. He also acquainted the house that total seed production was 37413 q, all grades of seed production in zaid (247 q), *kharif* (5764 q) & *rabi* (31402 q) were produced by the university. He also stress out on future plan for breeder as well as quality seed production of university farms especially soybean breeder and other production of foundation & certified seed in place of TL seed. He also requested the house to provide facilities of a separate vehicle for effective monitoring of seed and creation of seed cell in the university. HVC asked ADR to submit the proposal for licensing of TL seed production at different units of university and monitor and report the progress. The university seed policy should be prepared and submitted at earliest as has been asked in the SOC meeting and by DR so many times. HVC also suggest that the brand name of university seed should be decided for marketing purpose. He also asked for assurance the quality of seeds, is the responsibility of the ADR (Seed) and concern unit incharges. A urged for making perspective plan to take seed production programme at all the units by proper monitoring under the concerned crop breeder supervision and <sound system of seed grading, tagging and germination testing before seed selling. **Action Taken: ADR (seed)**

New Agenda items presented by Dr. Pratap Singh, Director Research, in the 2nd research council meeting for kind discussions and approval :

- **Agenda item No. AUK/RC-2/2018/1 : To confirm the proceedings of the 1st Research Council meeting held on 18th July, 2016**

The proceeding of 1st research council meeting was discussed, confirmed and finally resolved by the house.

- **Agenda item No. AUK/RC-2/2018/2 : To report the action taken of recommendations /suggestions of the 1st Research Council meeting**

The house discussed on the different matters and it was resolve and approved, the action taken report on various recommendations/suggestions made in the 1st Research Council meeting.

- **Agenda item No. AUK/RC-2/2018/3 : To revised the testing fees of private sponsored projects on agrochemicals/varieties/hybrids of crops**

The proposed matter was discussed at length as on hikes of input prices i.e. labour charges, standard chemicals, electricity, fertilizer, seeds, soil and water analysis rates etc. Hence, the existing rates of testing fees as per proposed may be revised for strengthening the resources of university. The revised testing fees will not be applicable to the already accepted & executed projects and will be inclusive of GST and w.e.f. Date of notification. The same was resolved and approved by the house.

Proposed testing fees

#	Particulars	Existing testing fees (Rs.lac)	Proposed testing fees (Rs. lac)
A	Testing for Bioefficacy & Phytotoxicity		
	• one chemical, one crop at one location for one season	1.5	2.5
	• one chemical, one crop at one location for two seasons	3.0	4.0
B	Carry over effect on Succeeding crop		
	• Bio-efficacy & phytotoxicity evaluation of one chemical, one crop at one location for one season	0.75	1.0
	• Bio-efficacy & phytotoxicity evaluation of one chemical at one crop at one location for two seasons	1.5	2.0
	• Bio-efficacy & phytotoxicity evaluation of one chemical in more than one crop at one location for one season	-	1.5
	• Bio-efficacy & phytotoxicity evaluation of one chemical more than one crop at one location in for two seasons	-	2.5
C	Residue analysis		
	For single chemical /molecule in one crop, one location, one season		
	• Soil	-	1.0
	• Seed/fruit	-	1.0
	• Plant (stem/leaves/straw)	-	1.0
	• Component Residue analysis along with bioefficacy trial at AU, Kota (Soil; Plant (stem/leaves/straw); Seed/fruit)	1.6	2.5
D	Persistent (residue) analysis		
	• one chemical , one crop at one location for one season	1.6	2.5
	• one chemical , one crop at one location for two season along with bioefficacy trial at AU,Kota	3.2	4.5
E	Microblal analysis		
	• Soil Microbes (Bacteria, Fungi, Actinomycetes) per chemical in one crop, one location, one season	0.60	0.75
G	Testing / evaluation of variety/hybrid other than GM crops		
	• Testing / evaluation of one variety/hybrid of one crop at one location in one season	1.5	2.5
	• Testing / evaluation of one variety/hybrid of one crop at one location in two seasons	3.0	4.5
H	Oil estimation per sample (Thousand)		
	• For privates & other organizations	1000/-	1200 /-
	• For Research Scholar of other than AU, Kota	-	600/-
Note: The revised testing fees will not be applicable to the already accepted & executed projects. Rates will be inclusive of GST and w.e.f. Date of notification.			

- **Agenda item No. AUK/RC-2/2018/4 : To propose provision of 10 % charges of sponsored projects fees to the Directorate of Research to meet out the working expenses**

The proposed matter was discussed at length and it was felt need that to meet out the official and recurring expenses of the Directorate of Research, proposed budgetary provision of 10 per cent charges of sponsored projects fees to the Directorate of Research to meet out the working expenses. The sponsored projects amount distribution will be likewise 50 % implementing unit charges; 40% Institutional charges; and 10 % Directorate of Research charges. At Directorate of research this amount may be clubbed in a budget head as per need for proper utilization as in the university. It was resolved and approved by the house.

- **Agenda item No. AUK/RC-2/2018/5 : To propose the redesignation of the post of Associate Director (Seed) to Associate Director (Seed & Farms)**

The proposed item and matter was discussed at length and It was resolved and approved by the house that redesignation of the Associate Director Seed may be done as Additional Director (Seed & Farms) and will work under the Director Research, Directorate of research.

- **Agenda item No. AUK/RC-2/2018/6 : To propose preparation and submission of the annual reports of all the AICRPs, other funding research projects and research units-ARS and ARSS & MAF and other farms to be mandatory.**

The proposed matter was discussed and decided that to omit audit objections and technical, physical and financial progress of all research projects and units. The annual report should be submitted in prescribed format up to 30th June of each year by concern person/project incharge/ZDR/unit incharge. The report should be submitted in hard and soft copy to the Director Research. Annual increments of the concern persons/officers, only be released after receiving of the report in the concern office/DOR. It was resolved and approved by the house.

- **Agenda item No. AUK/RC-2/2018/7 : To propose revision of honorarium for the sponsored projects to the Principle Investigator and team**

The proposed matter was discussed in depth and some suggestions were included for the formulation of guideline for honorarium to Principle Investigator and team. It was proposed to keep 2.5 % budget provision for the honorarium of the total project cost and distribution shall be in the manner of 50 % to PI, 20 % to Co-PI, 20 % to field staff and 10 % to ministerial staffs of the implementing unit/ARS/ARSS/DOR as decided by the PI/DR. It was resolved and approved by the house.

- **Agenda item No. AUK/RC-2/2018/8 : To propose preparation of Seed policy of the Agriculture University, Kota**

The propose matter was discussed and felt that to scaling up the fame and name of Agriculture University, Kota seed production of different categories i.e. Breeder, foundation & certified of field crops should be taken up on priority. The ICAR and other central government funding agency provides seed hubs for pulses & oilseeds and others in future for fulfilment of requirements seed production may be undertaken at university farms as well as stakeholders fields. Hence, it shall be worthwhile to make a strong draft of seed policy for the seed production, processing, tagging, branding and marketing including Brand Name of the university. It was decided that draft of university seed policy shall be prepared within three months under the chairmanship of Associate Director Seed. The proposed matter was resolved and approved by the house.

In the opening remarks of Hon'ble Vice Chancellor Prof. G. L. Keshwa focused on revenue generation of university farms through quality seed production and registration for seed licensing for seed production is the utmost need to sale out university TL seeds to the farmers' or stakeholders. Research council meeting is the most important meeting of the university and all the presentation should be made in the line of research prioritization, achievements, other developmental activities and future perspective plan for conversion of research technologies more fruitful to the farmer's of the zone.

Action to be taken by DR/ZDR/Unit I/c

The eminent expert Dr. R. K. Singh stressed that agriculture university, Kota has doing the qualitative and quantative works under limited resources but we can prioritize the work plan according to climate change and dynamic changes based on resources are constraints. He opinioned that university must have to initiate new innovations in the research, realistic approach more visible to require hard work, yield gap analysis and tools for potential production of field crops against abiotic and biotic stresses. hence to formulate research projects as per the research gaps. He pointed out that to set at platform to channelize the priority work, land & water quality and quantatively in command and non command to identify micro farming situations of the zone for the increasing the productivity on self sustaining system. The soils status and underground water quality of the zone V is very poor and has soil salinity and alkalinity hence to develop self sustaining resources for enhancing use efficiency of resources. Dr.Singh agreed for rendering the services of IISWCRI,Dadwara,Kota to prepare a plan for reshaping and restructuring fields, nalas.ponds,revines etc. at MAF/ARS,Kota and other units of the university in the leadership of Dr. K. M. Gautam, and a team including soil water conservation engineer of IISWCRI,Dadwara,Kota. and agronomist/scientists of units.

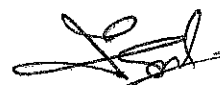
Action Taken: DR/ZDR/O/I,MAF/ Unit I/c

The eminent plant breeder Dr. S. R. Maloo appraise the house and congratulate DR/ZDR and scientists who have contributed a lot for the development of varieties, value addition of perishable crops, quality honey bee production & processing, phytosanitary & soil testing laboratory for analyzing the samples of seeds and soil for the revenue generation of university. He also highlighted that seed is the most important input and continuous increase in breeder as well as quality seed production, start of new agriculture college with UG and PG courses, creation of infrastructure of university building, Agriculture Technology and Management Quality Improvement Centre (ATMQIC), 15 AICRPs' provide a better platform to grow a new height. He also stressed on increase revenue of university through over exploited and under exploited of staff because soil is a very good with higher water holding capacity, high organic carbon so ARSS, Aklera & Khapur station along with new seed production farm of Sultanpur (initial lease of 5 years) shall be fully utilized under the supervision of Associate Director Seed. He also suggested a new idea for the development of Agroforestry model at ARSS, Khanpu/Aklera to perpetuate for revenue generation in future. Similarly, at ARSS, Khanpur, breeder seed production to be hasten and inclusion of KVKs farms for quality as well as breeder production. He also suggested for crop diversification and intensification under Mandarin & Aonla orchard to take spices seed production like fenugreek, sweet potato, production of disease free potato involving private agency for value addition and make a MoU between university and private company like Pepsico for disease free potato production on the cost of buyback policy because small size tuber fetched more remuneration. Breeders to take more indent from DAC for the breeder seed production of various field crops especially soybean, urdbean, mustard, wheat, chickpea, lentil, fenugreek & linseed etc. Much more emphasis is given to for establishment of forestry, preparation of seedling of arid & semi arid fruits have to develop and expand in terms of production and quality. Promotion of floriculture especially marigold seed production of cultivar Pusa Narangi & Pusa Basanti for additional helpful for honey production and manage the nematode problem in the field. The marigold seed at CH&F, Jhalawar is available with Dr. Ashutosh Mishra, horizontal spread of makhan grass and other fodder crops for volunteer centre at Kota will be guide by Dr. Maloo itself. He also stress out the MoU to NRC seed spices especially for coriander varietal development and its value addition, trade mark for the products of university, sugarcane variety "Pratap Ganna 1" (CoPK 05191) developed from ARS, Kota have potential in the states of UP, Bihar and Uttarakhand so seed production is more valuable for the expansion of sugarcane, patent of technologies/product developed by university specially Dr. Mamta Tiwari for value addition & Dr. S. K. Jain for Santra wine and also suggested make a beautiful preparation of reports, documentation and presentation for drawing attention to government officials and some publications has been perpetuated to the farming community. He also strongly urges the need and requested the university authority HVC to provide more freedom to do work in spirit manner and allow them for getting new knowledge in the specialized field in agriculture science at national and international platforms. **Action to be taken: DR/ZDR/ADSeed**

Prof. B. R. Chhipa, Hon'ble Vice Chancellor, SKRAU, Bikaner opined that the research works done by the scientists under the leadership of Director research are appreciable and commendable but some specialized works particularly for targeted breeding of varieties should be done according to the need of this area. He made note that Hon'ble Agriculture Minister Dr. Prabhu Lal Saini says that all the Vice Chancellors of agriculture universities can do doubling farmers income in 2022. He also pointed out that the developed variety having good potential and expansion in the area like GNG 1581 of chickpea and GM 4 of mungbean should be popularized among the farmers. He also stressed that farmers ask to local production technologies, organic farming, integrated farming system, soil health, food quality (Indian cow Gir lactate more milk 60-70 litre/day in other countries), Israel to develop a flow cyclometer for detection of male/female kids. He suggested that there should be meetings of all the agriculture universities of the state in which separate meetings and discussions should be in the specialized groups i.e. for all issues : all Vice chancellors; for research – all Director research, Extension: all Director Extension Education and for education : all Deans of the all agricultural universities to discuss the problems and their solutions and to suggest concrete recommendations to the stakeholders, farmers and to the govt. on common issues. **Action to be taken : PS to HVC/DR/DEE/Deans.**

The Chairman of the research council, Prof. G. L. Keshwa, Hon'ble Vice Chancellor, AU, Kota suggested that seed breeding and production programme at all research units as well as KVK's farms are included to accelerate the growth of seed production. Based on climate change to develop a crop plan to all the centres especially scientist of Anta, Karauli and Sawai Madhopur to develop self-sustaining technologies. He also agreed with Dr. Maloo's suggestions for impact assessment studies of developed technologies, to accelerate quality varietal seed production to generate revenue. For mutual benefits MoUs between university and other institutes and agencies can be done. All KVKs' should take seed production of crops and vegetable as per NITI Ayog, floriculture cultivation (marigold), more emphasis to given our university crop varieties seed production as well as expansion. He also urged the need of sound seed policy, brand name of our university seed for selling, certified seed programme taken by university units and additional grant to seed subsidy as per government policy, licensing of seed production by all units. HVC suggested the Nodal officer of the IIIB zone to take initiatives for research and development in the IIIB zone in consultation with the Director Research and ZDR. **Action to be taken : DR/DEE/ADR/ZDR/Nodal Officer,IIIB.**

The meeting ended with vote of thanks to the chair, proposed by Dr. M. C. Jain, ZDR,ARS, Kota.



(Dr. Pratap Singh)
Director Research & Secretary