

Ph. :- 0141-2227513/2227514/ 5106516 & Fax :- 0141-2227845

**RAJASTHAN STATE SEEDS CORPORATION LTD.,**  
**PANT KRISHI BHAWAN, JANPATH JAIPUR- 302005(Raj.)**

No. F.1(1055)/RSSC/2008/

Dated :-

Roll No. :-	
Centre -	Rajasthan College of Agriculture, Surajpol, Udaipur (Raj.)

**Sub :- Written Examination and Interview for the post of Plant Manager**

REF :- Advt. dated 8<sup>th</sup> May, 2008

Please refer to your application for the post, referred above, the written examination for Screening will be held on **13.09.2008 at 2:00 P.M.** in the Rajasthan College of Agriculture, Udaipur. The question paper will be bilingual i.e. Hindi and English. Answer should be given on OMR sheet in Black ink by darkening the relevant answer. The candidate should bring pencil, rubber and ball pen etc. Calculator and mobile phone etc. shall not be permitted in examination hall.

List of candidates eligible for interview would be displayed on **13.09.2008 at 8:00 P.M.** at Rajasthan College of Agriculture, Udaipur and the interview shall be on **15.09.2008 from 10:00 A.M. onwards** at University Administrative Office (New Campus), Udaipur.

Please submit following documents, on 12.09.2008 (in office hours), in the Control Room in Rajasthan College of Agriculture, Udaipur, failing which you will not be allowed to appear for written test -

- 1
- 2

**Please bring the following original documents** along with a set of the same, duly attested, if not already sent, and get the same checked at University Administrative Office (New Campus), on the day of interview :-

- 1- High School/ Hr. Secondary/ Sr. Hr. Sec. School Certificate (Proof of Date of Birth)
- 2- Degree Certificate and Marks Sheet (Proof of your qualification)
- 3- Experience Certificate
- 4- Cast Certificate (SC/ST/OBC). The candidate belonging to OBC must submit their Cast Certificate issued recently for the purpose of creamy layer.
- 5- Marriage and Character Certificate.
- 6- Details of members of family along with date of birth.

**Please bring with you eight copies of your brief bio data in the enclosed Performa on the day of interview and report for interview one hour before the scheduled time for checking of original documents.**

**No. T.A. and D.A. would be paid for attending the written examination and interview.**

**Simply calling for written examination and interview does not guarantee appointment.**

**GENERAL MANAGER**

Ph. :- 0141-2227513/2227514/ 5106516 & Fax :- 0141-2227845

**RAJASTHAN STATE SEEDS CORPORATION LTD.,**  
**PANT KRISHI BHAWAN, JANPATH JAIPUR- 302005(Raj.)**

No. F.1(1055)/RSSC/2008/

Dated :-

Roll No. :-	
Centre -	Rajasthan College of Agriculture, Surajpol, Udaipur (Raj.)

**Sub :- Written Examination and Interview for the post of Seed Officer**

REF :- Advt. dated 8<sup>th</sup> May, 2008

Please refer to your application for the post, referred above, the written examination for Screening will be held on **13.09.2008 at 10:00 A.M.** in the Rajasthan College of Agriculture, Udaipur. The question paper will be bilingual i.e. Hindi and English. Answer should be given on OMR sheet in Black ink by darkening the relevant answer. The candidate should bring pencil, rubber and ball pen etc. Calculator and mobile phone etc. shall not be permitted in examination hall.

List of candidates eligible for interview would be displayed on **13.09.2008 at 8:00 P.M.** at Rajasthan College of Agriculture, Udaipur and the interview shall be on **14.09.2008 from 10:00 A.M. onwards** at University Administrative Office (New Campus), Udaipur.

Please submit following documents, on 12.09.2008(in office hours), in the Control Room in Rajasthan College of Agriculture, Udaipur, failing which you will not be allowed to appear for written test -

- 1
- 2

**Please bring the following original documents** along with a set of the same, duly attested, if not already sent, and get the same checked at University Administrative Office (New Campus), on the day of interview :-

- 1- High School/ Hr. Secondary/ Sr. Hr. Sec. School Certificate (Proof of Date of Birth)
- 2- Degree Certificate and Marks Sheet (Proof of your qualification)
- 3- Cast Certificate (SC/ST/OBC). The candidate belonging to OBC must submit their Cast Certificate issued recently for the purpose of creamy layer.
- 4- Marriage and Character Certificate.
- 5- Details of members of family along with date of birth.
- 6- Experience certificate(s), if any.

**Please bring with you eight copies of your brief bio data in the enclosed Performa on the day of interview and report for interview one hour before the scheduled time for checking of original documents.**

**No. T.A. and D.A. would be paid for attending the written examination and interview.**

**Simply calling for written examination and interview does not guarantee appointment.**

**GENERAL MANAGER**

## **SYLLABUS FOR THE POST OF PLANT MANAGER**

Cell structure and function; cell division; pollination, fertilization and embryogenesis; apomixes; Mendelian principles; linkage; recombination and gene mapping, extra-chromosomal inheritance; nucleic acids-structure and functions, mutation; genetic basis of plant breeding, pure line, pedigree and mass selection; backcross and recurrent selection techniques; clonal selection; heterosis and combining ability; male sterility and hybrid seed production; chemical composition of seeds; mechanism and factors determining seed germination and dormancy; germination inhibitors and promoters; endogenous hormonal regulation of germination and dormancy; breaking of dormancy; types and classes of seed; seed vigor and viability; seed quality concept; system of seed quality control; testing, release and notification of varieties, deterioration of varieties; maintenance of genetic purity; area of seed production; management of hybrid seed production; role of insect pollinators and their efficiency; factors responsible for mechanical injury to seed; certification- concept and procedures; measurement of seed quality; metabolic changes associated with seed deterioration; seed packaging, storage and marketing; insect ecology; principles of insect control in field crops; integrated pest management; fumigating and chemical treatment for pest control in store; fungal, bacterial and viral seed borne diseases of cereals, pulses, oilseeds and vegetable and their control; seed moisture; seed drying and processing.

*Knowledge regarding design operations and maintenance of seed processing plant and machineries. Unit operations in seed grading, processing and packaging. Design of seed storage structures.*

## **SYLLABUS FOR THE POST OF SEED OFFICER**

Cell structure and function; cell division; pollination, fertilization and embryogenesis; apomixis; Mendelian principles; linkage; recombination and gene mapping; ploidy variations euploids and aneuploids; chromosomal aberrations; extra-chromosomal inheritance; nucleic acids-structure and functions; mutation; genetic basis of plant breeding, pure line, pedigree and mass selection, backcross and recurrent selection techniques; clonal selection; heterosis and combining ability; male sterility and incompatibility and their use in plant breeding and hybrid seed production; chemical composition of seeds; biosynthesis of carbohydrates; proteins and fats; mechanism and factors determining seed germination and dormancy; germination inhibitors and promoters; endogenous hormonal regulation of germination and dormancy; breaking of dormancy; types & classes of seed; seed vigor and viability; seed quality concepts; system of seed quality control; testing, release and notification of varieties, deterioration of varieties; maintenance of genetic purity; area of seed production; management of hybrid seed production-isolating and synchronization of flowering; role of insect pollinators and their efficiency; factors responsible for mechanical injury to seed; seed legislation; IPR, PBR and Farmer's Right Issues; seed certification-concept and procedures; measurement of seed quality; metabolic changes associated with seed deterioration; seed packaging, storage and marketing; insect ecology; principles of insect control in field crops; integrated pest management; fumigation and chemical treatment for pest control in store; fungal, bacterial and viral seed borne diseases of cereals, pulses, oilseeds and vegetables and their control; seed moisture; seed drying and processing; history of seed industry in India; national and international organization for seed quality, control and trade.

## PROFORMA

### BRIEF PARTICULARS OF THE CANDIDATE

(Please bring 8 copies, computer typed in New Times Roma 12 Fonts)

- 1- Name :
- 2- Father's Name :
- 3- Date of Birth :
- 4- Educational Qualification :

<b>Examination Degree</b>	<b>Board/ University</b>	<b>Subjects/ Specialization</b>	<b>Year of Passing</b>	<b>Division/ Marks in % OGPA</b>
10+2				
Graduation				
PG				
Ph. D.				

- 5- Employment Record :

<b>Name of Employer</b>	<b>Post Held</b>	<b>Experience in Years</b>	<b>Nature of Work</b>

- 6- In case of experience, please mention details;

\_\_\_\_\_.

- 7- National level Awards in any.

\_\_\_\_\_.

- 8- Please write what would you like to do, if selected for the post ?  
(Not more than one page, 1.5 spacing).

- 9- Please write your strength for the post applied. (Note more than ½ page, 1.5 spacing)

- 10- List your Publications, if any, (Only book, Research papers in referred journals only).

- 11- Significant contribution (Not more than one page.)

**Signature of Candidate**

# राजस्थान स्टेट सीड्स कार्पोरेशन लिमिटेड पंत कृषि भवन, जनपथ, जयपुर-5

क्रमांक: 1(1055)/ राजसीड्स / 2008

दिनांक :- 8.8.2008

## परीक्षा सूचना

रोजगार संदेश में प्रकाशित पूर्व विज्ञापन दिनांक 15.5.2008 के क्रम में निगम में संयंत्र प्रबन्धक/बीज अधिकारी सीधी भर्ती के पदों हेतु लिखित परीक्षा/साक्षात्कार राजस्थान कॉलेज ऑफ एग्रीकल्चर, सूरजपोल, उदयपुर, राजस्थान में आयोजित किये जायेगे।

संयंत्र प्रबन्धक - लिखित परीक्षा दिनांक 13.9.2008, दोपहर 2.00 बजे  
साक्षात्कार 15.9.2008 प्रातः 10.00 बजे  
बीज अधिकारी - लिखित परीक्षा 13.9.2008 प्रातः 10.00 बजे  
साक्षात्कार 14.9.2008 प्रातः 10.00 बजे

योग्य आवेदकों को डाक से सूचित किया गया है।

विस्तृत सूचना मय सिलेबस वैब साईट [www.rajasthankrishi.gov.in](http://www.rajasthankrishi.gov.in). पर भी उपलब्ध है।

दोनों पदों का सिलेबस निम्न है।

## **SYLLABUS FOR THE POST OF PLANT MANAGER**

Cell structure and function; cell division; pollination, fertilization and embryogenesis; apomixes; Mendelian principles; linkage; recombination and gene mapping, extra-chromosomal inheritance; nucleic acids-structure and functions, mutation; genetic basis of plant breeding, pure line, pedigree and mass selection; backcross and recurrent selection techniques; clonal selection; heterosis and combining ability; male sterility and hybrid seed production; chemical composition of seeds; mechanism and factors determining seed germination and dormancy; germination inhibitors and promoters; endogenous hormonal regulation of germination and dormancy; breaking of dormancy; types and classes of seed; seed vigor and viability; seed quality concept; system of seed quality control; testing, release and notification of varieties, deterioration of varieties; maintenance of genetic purity; area of seed production; management of hybrid seed production; role of insect pollinators and their efficiency; factors responsible for mechanical injury to seed; certification- concept and procedures; measurement of seed quality; metabolic changes associated with seed deterioration; seed packaging, storage and marketing; insect ecology; principles of insect control in field crops; integrated pest management; fumigating and chemical treatment for pest control in store; fungal, bacterial and viral seed borne diseases

of cereals, pulses, oilseeds and vegetable and their control; seed moisture; seed drying and processing.

Knowledge regarding design operations and maintenance of seed processing plant and machineries. Unit operations in seed grading, processing and packaging. Design of seed storage structures.

## **SYLLABUS FOR THE POST OF SEED OFFICER**

Cell structure and function; cell division; pollination, fertilization and embryogenesis; apomixis; Mendelian principles; linkage; recombination and gene mapping; ploidy variations euploids and aneuploids; chromosomal aberrations; extra-chromosomal inheritance; nucliec acids-structure and functions; mutation; genetic basis of plant breeding, pure line, pedigree and mass selection, backcross and recurrent selection techniques; clonal selection; heterosis and combining ability; male sterility and incompatibility and their use in plant breeding and hybrid seed production; chemical composition of seeds; biosynthesis of carbohydrates; proteins and fats; mechanism and factors determining seed germination and dormancy; germination inhibitors and promoters; endogenous hormonal regulation of germination and dormancy; breaking of dormancy; types & classes of seed; seed vigor and viability; seed quality concepts; system of seed quality control; testing, release and notification of varieties, deterioration of varieties; maintenance of genetic purity; area of seed production; management of hybrid seed production-isolating and synchronization of flowering; role of insect pollinators and their efficiency; factors responsible for mechanical injury to seed; seed legislation; IPR, PBR and Farmer's Right Issues; seed certification-concept and procedures; measurement of seed quality; metabolic changes associated with seed deterioration; seed packaging, storage and marketing; insect ecology; principles of insect control in field crops; integrated pest management; fumigation and chemical treatment for pest control in store; fungal, bacterial and viral seed borne diseases of cereals, pulses, oilseeds and vegetables and their control; seed moisture; seed drying and processing; history of seed industry in India; national and international organization for seed quality, control and trade.

प्रबन्ध निदेशक