

MINUTES OF THE 179th MEETING OF THE REVIEW COMMITTEE ON GENETIC MANIPULATION (RCGM) HELD ON 09.01.2020 IN THE DEPARTMENT OF BIOTECHNOLOGY

The Chairman, RCGM extended a formal welcome to the members of the RCGM for the 179th meeting and initiated the process of the meeting. The list of participants is given at Annexure-I.

2. The Committee adopted the minutes and recommendations of the 178th meeting of the RCGM held on 11.12.2019.

3. On action taken report, the Member-Secretary informed that during the 178th meeting of the RCGM, a total of 22 applications including information items were considered and the Secretariat is in the process of issuing requisite permit letters based on the recommendations of the RCGM.

4. Proposals considered

4.1 Applications in the area of pharmaceuticals

The Committee considered applications to import WHO reference DENV-1, DENV-2, DENV-3, and DENV-4, master cell bank of CHO cells expressing Bevacizumab, working cell bank of CHO cells expressing recombinant Rituximab, master cell bank and working cell bank of CHO cell line expressing Etanercept, influenza strain; to export Rituximab in-process samples; to receive research cell bank, master cell banks and working cell banks of recombinant Human Parathyroid Hormone, working cell bank of *Vibrio cholerae* strain; to transfer recombinant protein, live Respiratory syncytial virus vaccine; to conduct preclinical toxicity studies on Bevacizumab isotype, Bevacizumab; pre-clinical toxicity study reports on live Measles and Rubella Vaccine, recombinant Rituximab, recombinant Insulin aspart, recombinant Insulin Glargine. After deliberation on each application including information items, appropriate decision was taken by the RCGM.

4.2 Applications in the area of Agriculture

The Committee considered applications to export seeds of mutant *Arabidopsis*; post-harvest monitoring report of event selection trial of transgenic cotton. After deliberation on each application including information items, appropriate decision was taken by the RCGM.

4.3. Other items

The committee considered the proposal on National Programme on Quarantine and GM Diagnostics of Genetically Engineered Plant Material and appropriate decision was taken by the RCGM.

The next meeting of the RCGM was scheduled on 06.02.2020

No other transaction took place and the meeting ended with vote of thanks to the chair.

The Minutes are approved.



(Dr. Amita Aggarwal)
Acting-Chairman, RCGM

List of Participants:

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| 1. Dr. Amita Aggarwal, SGPIMS, Lucknow | - Acting-Chairman |
| 2. Dr. Pradhyumna Kumar Singh, CSIR-NBRI, Lucknow | - Member |
| 3. Prof. (Dr.) Neelam S. Sangwan, Senior Principal Scientist, CIMAP, Lucknow | - Member |
| 4. Dr. Gururaj Katti, Principal Scientist & Head, ICAR- IIRR, Hyderabad | - Member |
| 5. Dr. R. Uma Shanker, UAS, Bengaluru | - Member |
| 6. Dr. S.K. Rath, Principal Scientist, CSIR-CDRI, Lucknow | - Member |
| 7. Dr. P. V. Mohanan, Scientist 'G', SCTIMST, Thiruvananthapuram | - Member |
| 8. Dr. Guhan Jayaraman, IIT-M, Chennai | - Member |
| 9. Sh. Tarun Kathula, Director Biosafety, MoEFCC & Member Secretary-GEAC | - Nominee-MoEF& CC |
| 10. Dr. Meenal Rathore, Senior Scientist; Representative of Dr. N. P. Singh, IIPR, Kanpur | - Nominee-ICAR |
| 11. Dr. Shilpi Paul, Scientist E, SERB | - Nominee-DST |
| 12. Dr. Muzamil Rehman, Asst. Adviser, Ministry Of Ayush, New Delhi | - Nominee-Ministry of Ayush |
| 13. Dr. Alka Sharma Scientist-G, & Nodal Officer (Biopharma), DBT, New Delhi | - Member |
| 14. Dr. A.K. Rawat, Scientist- G & Nodal Officer (Agri.), DBT, New Delhi | - Member |
| 15. Dr. Vanga Siva Reddy, CSO, BSU, New Delhi | - Special Invitee |
| 16. Dr. Nitin K. Jain, Scientist-F, DBT | - Member Secretary |
| 17. Dr. Gandharva Nagpal | - Scientist C, DBT |

Biosafety Support Unit:

18. Dr. Sangeeta Agarwal, Chief (Agriculture)
19. Dr. Govind Kumar Rai, Scientist
20. Dr. Manpreet Kaur, Scientist

Other representatives:

21. Dr. Sanjeev Gupta, Ipca Laboratories Ltd., Mumbai
22. Dr. Ramnath R.L., Reliance Life Sciences Pvt. Ltd., Mumbai
23. Mr. Saurabh Pathak, Ipca Laboratories Ltd., Mumbai
24. Dr. S. Harinarayana Rao, Reliance Life Sciences Pvt. Ltd., Navi Mumbai
25. Mr. Girish Masand, Reliance Life Sciences Pvt. Ltd., Mumbai
26. Dr. Disha Dadke, Aurobindo Pharma Ltd., Hyderabad
27. Mr. Sivakesava Reddy Ankireddy, Aurobindo Pharma Ltd., Hyderabad
28. Mr. Ravikumar C, Bionneeds India Private Limited, Bengaluru
29. Dr. Narendra S. Deshmukh, Intox Pvt. Ltd., Pune
30. Ms. Renuka Joshi, BioGenomics Limited, Mumbai
31. Mr. B. Mohana Subramanian, Biological E. Limited, Hyderabad
32. Mr. Raju Srinivasan, Biological E. Limited, Hyderabad
33. Dr. Gurinderjit Randhawa, NBPGR, New Delhi
34. Dr. Celia Chalam Vasimalla, NBPGR, New Delhi