

MINUTES OF THE 185th MEETING OF THE REVIEW COMMITTEE ON GENETIC MANIPULATION (RCGM) HELD ON 02.07.2020 BY VIDEO CONFERENCING

The Chairman, RCGM extended a formal welcome to the members of the RCGM for the 185th 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 184th meeting of the RCGM held on 04.06.2020.

3. On action taken report, the Member-Secretary informed that during the 184th meeting of the RCGM, a total of 71 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 codon optimized genes of SARS-CoV2 full length spike protein, codon optimized SARS-CoV2 receptor binding domain (RBD), codon optimized monoclonal antibodies clone CR3022, codon optimized clone 4G2, codon optimized clone 2H2, recombinant genes from SARS-CoV2, Live attenuated SARS CoV-2 strain, NDVLaSota-S vaccine strains, cells infected with SARS-Related Coronavirus 2 Isolate; to receive SARS-COV-2 Isolates; to conduct preclinical toxicity studies on modified *Brucella abortus* S19 vaccine strain, Adalimumab biosimilar; pre-clinical toxicity study reports on Ranibizumab biosimilar, recombinant human albumin and on an enzyme derived from LMO for being a part of sorbent cartridge. 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 on conduct confined field trials for event selection of GE cotton lines; to conduct Biosafety Research Level-I confined field trials of GE maize, and GE cotton; reports on event selection trial of GE cotton lines; report on Biosafety Research Level-I trial of GE cotton. After deliberation on each application including information items, appropriate decision was taken by the RCGM.

5. IBSC Reports

The Committee considered minutes submitted by fourteen IBSCs, one annual compliance report and two medical surveillance reports, appropriate decision was taken by the RCGM.

6. Other items

The Committee noted the merger of M/s. Metahelix Life Sciences Limited with M/s. Rallis India Limited and intimation by M/s. Shilpa Medicare limited (SML), Hubli regarding a separate unit called M/s. Shilpa Biologicals Pvt Ltd., Dharwad (SBPL) a wholly owned subsidiary of M/s. Shilpa Medicare limited (SML), Hubli.

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

The Minutes are approved.


(Dr. Rakesh Kumar Mishra)
Chairman, RCGM

List of Participants:

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| 1. | Dr. Rakesh Kumar Mishra, Director-CCMB, Hyderabad | Chairman |
| 2. | Dr. Amita Aggarwal, SGPIMS, Lucknow | Co-Chair (Pharma) |
| 3. | Dr. Kuldeep Singh, Director, ICAR- NBPGR, New Delhi | Co-Chair (Agri) |
| 4. | Dr. Gururaj Katti, Principal Scientist & Head, ICAR- IIRR, Hyderabad | Member |
| 5. | Dr. S.K. Rath, Principal Scientist, CSIR- CDRI, Lucknow | Member |
| 6. | Dr. P. V. Mohanan, Scientist 'G', SCTIMST, Thiruvananthapuram | Member |
| 7. | Dr. Pradyumna Kumar Singh, CSIR-National Botanical Research Institute, Lucknow | Member |
| 8. | Dr. Anand Kumar Kondapi, School of Life Science, University of Hyderabad, Hyderabad | Member |
| 9. | Dr. R. Uma Shaanker, Univeristy of Agricultural Sciences, Bengaluru | Member |
| 10. | Dr. Guhan Jayaraman, Indian Institute of Technology, Madras | Member |
| 11. | Dr. Neelam S. Sangwan, Head, Department of Biochemistry, Central University of Haryana, Mahendergarh | Member |
| 12. | Dr. Rajnish Kumar Chaturvedi, CSIR-Indian Institute of Toxicology Research, Lucknow | Member |
| 13. | Dr. K.G.Tirumurugaan, Professor, TANUVAS, Chennai | Member |
| 14. | Sh. Chandrashekar Ranga, Deputy Drugs Controller, CDSCO, New Delhi | Nominee-CDSCO |
| 15. | Sh. Tarun Kathula, Director Biosafety, MoEFCC & Secretary-GEAC | Nominee-MoEF& CC |
| 16. | Dr. Geeta Jotwani, Scientist F | Nominee-ICMR |
| 17. | Dr. Shilpi Paul, Scientist E, SERB | Nominee-DST |
| 18. | Dr. Meenal Rathore, Senior Scientist; Representative of Dr. N. P. Singh, IIPR, Kanpur | Nominee- ICAR |
| 19. | Dr. Alka Sharma, Scientist-G, & Nodal Officer (Biopharma), DBT, New Delhi | Member |
| 20. | Dr. A.K. Rawat, Scientist- G & Nodal Officer (Agri.), DBT, New Delhi | Member |
| 21. | Dr. Sangeeta Agarwal, CSO, BSU, New Delhi | Special Invitee |
| 22. | Dr. Nitin K. Jain, Scientist-F, DBT | Member Secretary |
| 23. | Dr. Gandharva Nagpal, Scientist C, DBT | Secretariat Member |

Biosafety Support Unit:

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| 24. | Dr. Reema Sharma, Scientist |
| 25. | Dr. Govind Kumar Rai, Scientist |
| 26. | Dr. Poonam Vishwakarma, Scientist |
| 27. | Dr. Manpreet Kaur, Scientist |

Others:

28. Dr. T Satish Panchal, Sun Pharmaceutical Industries Ltd., Vadodara
29. Dr. Vikram Ramanathan, Sun Pharmaceutical Industries Ltd., Vadodara
30. Dr. Srinivas Reddy, Sun Pharmaceutical Industries Ltd., Vadodara
31. Ms. Dipali Desai, Sun Pharmaceutical Industries Ltd., Vadodara
32. Dr. Rashmi Talwar, Sun Pharmaceutical Industries Ltd., Vadodara
33. Dr. Rustom Mody, Sun Pharmaceutical Industries Ltd., Vadodara
34. Mr. Raj Philip, Sun Pharmaceutical Industries Ltd., Vadodara
35. Mr. Hani Rizvi, Sun Pharmaceutical Industries Ltd., Vadodara
36. Dr. Rajyashri Ramakarishna, Shilpa Medicare Limited, Hubli
37. Mr. Vinay Konaje, Shilpa Medicare Limited, Hubli
38. Mr. Ravikumar C, Bioneds India Private Limited, Bengaluru
39. Mr. Nagaraj Kampli, Rallis India Limited, Bangalore
40. Mr. Mukundan Sampath; Rallis India Limited, Bangalore
41. Dr. Ramanathan Vairamani, Rallis India Limited, Bangalore
42. Dr. Shiva Kumar, Rallis India Limited, Bangalore
43. Mr. Anil Kumar, Rallis India Limited, Bangalore
44. Dr. Sandhya Aggarwal, Rallis India Limited, Bangalore
45. Dr. Dwarkesh Parihar, Bioseed Research India, Hyderabad
46. Dr. Manjula Shankarappa Maralappanavar, University of Agricultural Sciences, Dharwad
47. Dr. Lakshmi Gangavati, University of Agricultural Sciences, Dharwad
48. Dr. Rohini Kolekar, University of Agricultural Sciences, Dharwad