

MINUTES OF THE 190th MEETING OF THE REVIEW COMMITTEE ON GENETIC MANIPULATION (RCGM) HELD ON 01.10.2020 BY VIDEO CONFERENCING

The Chairman, RCGM extended a formal welcome to the members of the RCGM for the 190th 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 189th meeting of the RCGM held on 17.09.2020.

3. On action taken report, the Member-Secretary informed that during the 189th 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 recombinant plasmid, HEK293 Cell line and rSARS-CoV-2 Spike virus, Master Cell Bank and Working cell Banks of *Lactococcus lactis*; to export recombinant Edmonston Zagreb measles virus based corona vaccine Master seed virus and Working seed virus; to receive reagents for adenovirus vectored COVID-19 vaccine, Indian isolates of SARS CoV-2, metabolites and proteins extracted from serum of COVID-19 patient; to conduct preclinical toxicity studies on GBL19 biosimilar, Aflibercept biosimilar; pre-clinical toxicity study reports on recombinant human albumin. 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 import seeds of glyphosate (herbicide) tolerant transgenic soybean and lyophilized tissue powder of transgenic cotton. After deliberation on each application, appropriate decision was taken by the RCGM.

5. IBSC Reports

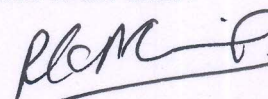
The Committee considered minutes submitted by four IBSCs, appropriate decision was taken by the RCGM.

6. Other items

The Committee considered "Guidance document on Standards/Specification for the Establishment of Biosafety Containment Level 2 and 3 Facilities & Standard Operating Procedures (SOPs)" recommended by the Expert-committee, and discussed on request submitted by GEAC on genome edited plants, and appropriate decision was taken by the RCGM.

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

डॉ. राकेश के मिश्रा Dr. Rakesh K Mishra
निदेशक Director
सीएसआईआर-कोशिकीय एवं आणविक जीवविज्ञान केन्द्र
CSIR - Centre for Cellular & Molecular Biology
उप्पल रोड, हब्सीगुडा, हैदराबाद - 500 007
Uppal Road, Habsiguda, Hyderabad - 500 007

Annexure-I

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. Alka Sharma, Scientist 'G' & Head, Regulation, DBT | Member |
| 5. | Dr. VG Somani, Drugs Controller General of India | |
| 6. | Dr. Gururaj Katti, Principal Scientist & Head, ICAR- IIRR, Hyderabad | Member |
| 7. | Dr. S.K. Rath, Principal Scientist, CSIR- CDRI, Lucknow | Member |
| 8. | Dr. P. V. Mohanan, Scientist 'G', SCTIMST, Thiruvananthapuram | Member |
| 9. | Dr. Pradyumna Kumar Singh, CSIR-National Botanical Research Institute, Lucknow | Member |
| 10. | Dr. Anand Kumar Kondapi, School of Life Science, University of Hyderabad, Hyderabad | Member |
| 11. | Dr. R. Uma Shaanker, University of Agricultural Sciences, Bengaluru | Member |
| 12. | Dr. Chandish R. Ballal, Director, National Bureau of Agricultural Insect Resources, Bangalore | Member |
| 13. | Dr. Neelam S. Sangwan, Head, Department of Biochemistry, Central University of Haryana, Mahendergarh | Member |
| 14. | Dr. Rajnish Kumar Chaturvedi, CSIR-Indian Institute of Toxicology Research, Lucknow | Member |
| 15. | Dr. K. G. Tirumurugan, Professor, TANUVAS, Chennai | Member |
| 16. | Sh. Tarun Kathula, Director Biosafety, MoEFCC & Secretary-GEAC | Nominee-MoEF & CC |
| 17. | Dr. Shilpi Paul, Scientist E, SERB | Nominee-DST |
| 18. | Sh. Jayant Ganga Khedkar, Asst Drugs Controller(I), CDSCO | Nominee-CDSCO |
| 19. | Dr. Nitin K. Jain, Scientist- F, DBT | Member Secretary |
| 20. | Dr. Sangeeta Agarwal, CSO, BSU, New Delhi | Special Invitee |
| 21. | Dr. Gandharva Nagpal, Scientist-c, DBT | Secretariat Member |

Biosafety Support Unit:

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| 22. | Dr. Govind Kumar Rai, Scientist | |
| 23. | Dr. Reema Sharma, Scientist | |
| 24. | Dr. Poonam Vishwakarma, Scientist | |
| 25. | Dr. Manpreet Kaur, Scientist | |



Others:

26. Representatives of M/s. Gennova Biopharmaceutical Limited, Pune