

MINUTES OF THE 171st MEETING OF THE REVIEW COMMITTEE ON GENETIC MANIPULATION (RCGM) HELD ON 29.03.2019 IN THE DEPARTMENT OF BIOTECHNOLOGY

The Chairman, RCGM extended a formal welcome to the members of the RCGM for the 171st 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 170th meeting of the RCGM held on 08.01.2019.

3. On action taken report, the Member Secretary informed that during the 170th meeting of the RCGM, a total of 98 applications including information items were considered and the Secretariat is in the process of issuing the 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 *Vibrio cholerae* strains, working cell bank expressing FSH, *Hansenula polymorpha* cultures, Hybridoma cell lines, Botulinum toxin, recombinant *Saccharomyces cerevisiae*, CHO-K1 suspension cell line, recombinant CHO cell lines expressing tmTNF- α & Bevacizumab, proteins of Dengue virus, Vero cell lines, BHK-21 cell lines, U937-DC-SIGN cell lines, and Chikungunya and Influenza Virus strains; to receive Dengue virus serotypes and insulin Glargine; to transfer viral antisera; to export *Mycobacterium tuberculosis* strain; request for extension of the validity of the permission to import genetically engineered *Drosophila melanogaster*; to conduct preclinical toxicity studies on recombinant Human Insulin, Insulin 50/50, Isophane insulin, Virsuln 30/70, Liraglutide, Denosumab, live attenuated Chikungunya vaccine, Teriparatide, Fowlpox vaccine, and Measles & Rubella vaccine; pre-clinical toxicity study reports on recombinant Ramucirumab, Human albumin and Trastuzumab. 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 transgenic rice seeds; to conduct confined field trials on genetically engineered maize, cotton and brinjal; report on event selection trial of transgenic rice; harvest and termination reports & post harvest monitoring report on 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 also considered the requests to relocate biotech projects and transfer of transgenic seed materials from one organization to another legal entity and to extend the duration with additional budget for DBT funded facility "National Containment/Quarantine facility for transgenic planting material".

The next meeting of the RCGM was scheduled on 16.05.2019.

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

The minutes are approved.

Date: 12.04.2019

Place: Hyderabad


(Dr. B. Sesikera)
Chairman, RCGM

Annexure-I

List of Participants:

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| 1. Dr. B. Sesikeran, Former Director, NIN Hyderabad | - Chairman |
| 2. Prof. P. Kondaiah, IISc, Bangalore | - Co-Chairman (Pharma) |
| 3. Dr. S.R. Bhat, Emeritus Scientist, NRCPB, New Delhi | - Co-Chairman (Agri) |
| 4. Dr. Vanga Siva Reddy, CSO, BSU, New Delhi | - Member |
| 5. Dr. S.N. Sudhakar babu, Principle Scientist, IIR, Hyderabad | - Member |
| 6. Dr. Gururaj Katti, Principal Scientist, IIRR, Hyderabad | - Member |
| 7. Dr. S.K. Rath, Principal Scientist, CSIR-CDRI, Lucknow | - Member |
| 8. Dr. Kulbhushan Tikko, Professor & Head NIPER, Mohali | - Member |
| 9. Dr. A.K. Kondapi, University of Hyderabad, Hyderabad | - Member |
| 10. Dr. Debendra K. Sahoo, IMTECH, Chandigarh | - Member |
| 11. Dr. Ambikanandan Misra, Professor & Dean, MSUB, Vadodara | - Member |
| 12. Dr. Murali Krishana, MoEF&CC, New Delhi | - Nominee, MoEF&CC |
| 13. Dr. Tarun Kathula, Director MoEF&CC, New Delhi | - Nominee, MoEF&CC |
| 14. Dr. P K Chakrabarty, ICAR, New Delhi | - Nominee, ICAR |
| 15. Dr. Gurinderjit Randhawa, NBPGR, New Delhi | - Nominee, NBPGR |
| 16. Dr. S.R. Rao, Scientist-G, DBT | - Member Secretary |
| 17. Dr. Rajalakshmi Muralidharan, Scientist-F , DBT - | - Member |
| 18. Dr. Sanjay Kalia, Scientist-E, DBT | - Member |

Biosafety Support Unit:

19. Dr. Sangeeta Agarwal, Chief (Agriculture)
20. Dr. Anuradha Gupta, Scientist
21. Dr. Reema Sharma, Scientist
22. Dr. Poonam Vishwakarma, Scientist

Other representatives:

23. Dr. Kapil Maithal, M/s. Zydus Cadila Healthcare Ltd., Ahmedabad
24. Dr. Ali Allouche, M/s. Takeda- Switzerland, M/s. Zydus Cadila Healthcare Ltd., Ahmedabad
25. Dr. Sanjay Maheshwari, M/s. Zydus Cadila Healthcare Ltd., Ahmedabad
26. Dr. S. Rajesh Sundar, M/s. Zydus Cadila Healthcare Ltd., Ahmedabad
27. Dr. A.P. Kalanidhi, M/s. Takeda Hyderabad (Zydus Cadila Healthcare Ltd., Ahmedabad)
28. Dr. Murrel Gallon, M/s. Takeda, Singapore (Zydus Cadila Healthcare Ltd., Ahmedabad)
29. Dr. Anil Kumar K.G., M/s. Metahelix Life Sciences Limited, Bangalore
30. Dr. Nagaraj Kampt, M/s. Metahelix Life Sciences Limited, Bangalore
31. Dr. S. Harinarayan Rao, M/s. Reliance Life Sciences Pvt. Ltd., Navi Mumbai
32. Dr. Girish Masood, M/s. Reliance Life Sciences Pvt. Ltd., Navi Mumbai
33. Dr. Rajendra Marathe, M/s. Mahyco Pvt. Ltd., Mumbai
34. Mr. Sanjay Deshpande, M/s. Mahyco Pvt. Ltd., Mumbai

35. Dr. Sai Ram, M/s. Virchow Biotech Private Ltd., Telangana
36. Dr. Durga Bhavani K, M/s. Virchow Biotech Private Ltd., Telangana
37. Dr. Darshan K, M/s. Virchow Biotech Private Ltd., Telangana
38. Dr. Srinivas Rao R, M/s. Virchow Biotech Private Ltd., Telangana
39. Dr. Radhamadhavi, M/s. Virchow Biotech Private Ltd., Telangana
40. Dr. Sarvanan, M/s. Virchow Biotech Private Ltd., Telangana
41. Dr. Purishottam Lamake, M/s. Ajeet Seeds Pvt. Ltd., Aurangabad
42. Dr. Prashant Pyati, M/s. Ajeet Seeds Pvt. Ltd., Aurangabad
43. Mrs. Disha Dadke, M/s. Aurobindo Pharma Ltd., Telangana
44. Dr. Sivakesava Reddy, M/s. Aurobindo Pharma Ltd., Telangana
45. Dr. D.P. Santhosh Kumar, M/s. Biological E Ltd., Hyderabad
46. Dr. Rajan Sairaman, M/s. Biological E Ltd., Hyderabad
47. Dr. Vikram VIJ, M/s. Biological E Ltd., Hyderabad
48. Dr. B. Mohana Subramanyam, M/s. Biological E Ltd., Hyderabad
49. Dr. P A Sivakumar, M/s. Biological E Ltd., Hyderabad
50. Dr. Ravi Kumar, M/s. Bioneds India Private Ltd., Karnataka
51. Dr. Ramesh, M/s. Lazuline Biotech Pvt. Ltd., Telangana