Dear sir/madam

I am doing Ph.D in School of Management Studies, Jawaharlal Nehru Technological University, Hyderabad, on the topic “Entrepreneurial Support Systems for the Development and Sustenance of Biotech Industry at Genome Valley.

A questionnaire is designed to get the opinion from Government Officials, Scientists, Professors, Entrepreneurs, Executives, Service Providers, and other stakeholders of the Biotech Park at Genome Valley in Andhra Pradesh. I request you to please fill the simple questionnaire so that your opinion will be useful to the policy makers and other stakeholders involved in the development and growth of the Biotech Industry.

I assure you that the information provided will be kept confidential and will be used for overall statistical analysis for academic purpose and not for any commercial use.

Looking forward to your kind co-operation.

Thanks and regards.

Yours sincerely

G. Aruna Yagna Narayana

Research Scholar

School of Management Studies

Jawaharlal Nehru Technological University, Hyderabad.
QUESTIONNAIRE

PART A

I. Organisation (tick/specify)
   i. Government Officials - APIIC, APITCO, APSFC, DBT, APCPDCL,
      Any other (pl specify) AP State Dept. Of Commerce & Industries-
      ------------------
   ii. Biotech Park/Incubator/Agency Executives - SP Biotech, ICICI
       Knowledge Park, Alexandria Biotech Park, & other (pl specify)
       TBI-ARCI, ISB, TBI-HCU, IICT, FABA, BCIL, executives
   iii. Biotech Company Entrepreneurs/ Executives - Bharat Biotech,
        Reddy’s Labs, BE, Unicorn Naturals, Zenotech, Any other
        Monsanto, DUPONT, BioSeed, Bayer etc., (Pl specify)----------
   iv. University: HCU, JNTU, OU, Acharya N.G.Ranga Agricultural
       University,
   v. R & D Lab : ICRISAT, CCMB, IICT, Any other (pl specify) --------
      ------------------
   vi. Funding Agency- APIDC- VC, Accumen, Baring Capital etc., Any
       other---------------------

II. Designation: Assistant Manager, Middle Manager, Senior
    Manager, Vice-President, President, Scientist, Professor/Faulty,
Entrepreneur, Biotech Research Scholar / Student  Others -----  

III.  Age:

IV.  Experience: Total ------ In Biotechnology field ------- years.

V.  Kindly Specify the nature of your association with the Biotech Industry (pl tick):
   i.  Policy Maker (Government)
   ii. Policy Maker (Corporate)
   iii. Entrepreneur
   iv.  R & D
   v.  Executive
   vi.  Service Provider
   vii. Funding
   viii. Any other (Pl specify)----------------------------------------

VI. To which type of biotech industry your activity belongs:
   i.  Animal Biotechnology
   ii. Pharmaceutical Biotechnology
   iii. Agri Biotechnology (Plant, Bio-fertilizers etc)
   iv.  Industrial & Environmental Biotechnology
   v.  Food Biotechnology

VII. Any Other (please specify)..............................................
PART B

Infrastructure Support

8. Quantity supplied-Please rate the responses on a 4 point scale


1. Land (   )
2. Water (   )
3. Electricity (   )
4. Roads (   )
5. Lighting (   )
6. Incubations Centers space sft (   )

9. Tariff Per Unit-Please rate the responses on a 4 point scale

4-High  3 Reasonable  2 Low  1 Don’t Know

7 Land (   )
8 Water (   )
9 Electricity (   )
10 Incubation Centre Leased Space (sft) (   )

10. Enabling Government Policy & Support

Please rate the responses on a 4 point scale ::


11. Incentive & Support for acquiring Land /Place (   )
12. Incentive & Support for Capital Investment etc., (   )
13. Incentive & Support for Excise/VAT/Sales Tax

14. Enabling Biotech Industrial Climate through Events/forums

15. Special Department to address biotech Industry issues

For the following questions please rate


16. Time taken for Single window clearances specifically for Biotech Industry

17. Time for taking Licenses

18. Clearances by Inspector of Factories

19 Clearances by Pollution Control Board

20. Any objections by inspector of factories 1 Yes 2 No (tick)

21 Any objections by pollution control board 1 Yes 2 No (tick)

22 Policies of Government of Andhra Pradesh are as per biotech industry expectations 1Yes 2 No (tick)

**Biotech Ready Cluster & Climate**

Please rate the responses on a 5 point scale:


23 Availability of Biotech Ready Human resource

24 Availability of Biotech Investment Agency

25 Availability of Biotech R&D Institutes & Testing centers

26 Availability of AIR (Domestic & Inter, RAIL & Road Connectivity

27. Safe & Secure for Business from Political and communal issues

28. Availability of Quality & cost effective Biotech cluster
Please rate the responses on a 4 point scale:

4- Agree     3- Marginally agree  2- Disagree  1 Don’t Know

29. Anticipated activities are launched in the genome valley. ( )

30. Companies are working as per the vision of the Biotech Policy of the State/Central Government ( )

31. Biotech companies are really green and not just using the green name ( )

32 Adequate funding mechanism to fund Innovative Biotech companies in AP. ( )

33 R & D related to Biotechnology in CCMB, IICT, OU, JNTUH, NIRD, ICRISAT, HCU, Acharya NG Ranga Agricultural University etc. is Beneficial to Growth and Development of Biotechnology at Genome Valley. ( )

34 Biotechnology Research Institutes in AP fully capitalized its Technologies by commercializing through the Genome valley ( )

35 Facilities at the incubation centers at SP Biotech, ICICI Knowledge Park etc are adequate and is there need to upgrade ( )

36 *It is practically possible to adopt any of the Biotech Firms in Genome valley to try the results.* ( )

37 It is practically possible to take direct R & D support from the academic institutions in and around Hyderabad.

Any other suggestions for the development and growth of biotech industry at genome valley
REFERENCES

1. Agarwal, S. P.; Gupta, Ashwani; Dayal, R. Technology Transfer Perspectives in Globalising India (Drugs and Pharmaceuticals and Biotechnology) Journal of Technology Transfer, August 2007, v. 32, iss. 4, pp. 397-423.


4. Antunes, Adelaide; Canongia, Claudia, Technological Foresight and Technological Scanning for Identifying Priorities and Opportunities: The Biotechnology and Health Sector, Foresight, 2006, v. 8, iss. 5, pp. 31-44.


28. Gilsing, Victor A.; Nooteboom, Bart, Density and strength of ties in innovation networks : an analysis of multi-media and


**BIBLIOGRAPHY**


31) Qaim, Matin, *Potential Benefits of Agricultural Biotechnology: A9*
32) **Example from the Mexican Potato Sector** Review of Agricultural Economics, Fall-Winter 1999, v. 21, iss. 2, pp. 390-408.


38) Sobolevsky, Andrei; Moschini, Giancarlo; Lapan, Harvey E. *Genetically Modified Crop Innovations and Product Differentiation: Trade and Welfare Effects*, Iowa State University, Department of Economics, Staff General Research Papers.


