

APPENDIX – 1

THE SURVEY QUESTIONNAIRE

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[RESEARCH & INNOVATION-THE QUESTIONNAIRE]

The research aims to map the innovative activities in economic space and identify the innovative clusters and the structure of the innovative interactions in Indian Economy.

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SECTION 1: RESPONDENT'S BACKGROUND

A. Respondent's details

1. Name:
2. Address:
3. Telephone:
4. Email:
5. Website:
6. Job designation:
7. Job Position:
 - a) Top Management
 - b) Middle management
 - c) Core Staff
 - d) Administrative Personnel
 - e) Other (please specify)
8. No of years with current organization:
 - a) 1-5
 - b) 5-10
 - c) >10

B. Company details

1. Name of the company:
2. Legal status:
 - a) Public
 - b) Private
 - c) Other (please specify)
3. Year of establishment:
4. Type of sector:
 - a) Manufacturing
 - b) Services
 - c) Research
 - d) Consulting
 - e) Other(please specify)
5. No. of staff:
 - a) 1 to 19
 - b) 20-199
 - c) 200-499
 - d) 500-999
 - e) >1000

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SECTION 2: INNOVATION MANAGEMENT IN YOUR COMPANY

This simple self assessment tool focuses on some of the important areas of innovation management. For each statement simply put a score between **1 (=not true at all) to 7 (=very true)**

Serial no.	Statement	Score (1.....7)
STRATEGY		
1	People appreciate and understand the importance of innovation in order to compete	
2	Our innovation strategy is clearly communicated to support engaged and effective participation for better performance and innovative outcome	
3	People know the distinctive competence of the company	
4	Structured and predictive assessment of market/technology is conducted to be ready for future challenges and be aware of the SWOT factors.	
5	The top Management has the shared vision of innovation	
6	There is top management commitment and support	
7	We have processes in place to review new technological or market developments and what they mean for our firm strategy	
8	The innovation projects undertaken by the company align with the strategic goals of the business	
PROCESSES		
9	We have processes in place to help us manage new product development from idea to launch	
10	Our innovation projects are usually completed on time and within budget	
11	We have effective mechanisms to make sure everyone in the company understand customer needs	
12	The process strategies include effective mechanisms to accommodate process changes from implementation	
13	We systematically search for new product ideas	
14	We have mechanisms in place to ensure early involvement of all departments in developing new products/processes.	
15	We have a clear system for Choosing innovation projects	
16	There is sufficient flexibility in our system for product development to allow small fast track projects to happen	
ORGANISATION		
17	Our organisation structure supports innovation and not stifles it	

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18	People work well together across departmental boundaries	
19	People are involved in suggesting ideas for improvements to products/processes	
20	Our structure supports effective and rapid decision making	
21	Communication is effective and works top-down, bottom-up and across the organisation	
22	Our reward and recognition system supports innovation	
23	We have a supportive climate for new ideas	
24	We work well in teams	
LINKAGES		
25	We value our relationships with our suppliers	
26	We regularly evaluate the needs of our customers /end users	
27	We work with universities & other research centres to help us develop our knowledge	
28	We work closely with our customers in exploring and developing new concepts	
39	We collaborate with other firms to develop new products/processes	
30	We try to develop external networks of people who can help us-for example with specialist knowledge	
31	We work closely with the local and national education system to communicate our needs for skills	
32	We work closely with lead users to develop innovative new products and services	
LEARNING		
33	There is strong commitment to training and development of people	
34	The projects are reviewed to improve our future performance	
35	We learn from our mistakes	
36	We systematically compare our products and processes with other firms	
37	We meet and share experiences with other firms to help us learn	
38	Learning outcomes are captured and shared to build and support the effective organisational learning capability	
40	We use measurement to help identify where and when we can improve our innovation management	

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SECTION 3: THE DIFFUSION OF TECHNOLOGICAL INNOVATION

A product may be considered technologically innovative when it originates (creates) a new market or when it may be distinguished, from the point of view of the technology and of performance, from existing products.

1. Over the last five years the firm has	YES/NO
a) Improved considerably, from a technological point of view, the existing products	
b) Introduced into the market new or technologically innovative products	
c) Improved considerably ,from a technological point of view, the productive processes	
d) Introduced new productive processes	
e) Introduced considerable organisational innovations linked to technological innovations	
2. The innovative activity of the firm is linked to	YES/NO
a) R&D	
b) Doing and tooling up	
c) Patents held by the firm	
d) Acquisition of scientific and technological knowledge from outside	
e) Industrial property rights relative to patents, inventions, know-how etc	
f) Capital goods (plants, processes, machinery),intermediary goods, raw materials, acquired from other firms	
g) Public financing of industrial innovation	
h) Other	

Some factors which hamper or render inappropriate the introduction of new technologies into the firm are listed below. Please indicate in descending order of importance upto 5 reasons why the firm did not introduce technological innovations over the past five years.

3. Please indicate in descending order of importance	5...1
a) Problems linked to financing	
b) Excessive cost of innovation	
c) Excessive risk of innovation	
d) Insufficient knowledge of markets	
e) Shortage of qualified manpower	
f) Difficulties in introducing important changes into the organisation	
g) Shortage of scientific and technical knowledge within the firm	
h) Difficulty to collaborate with public/private research lab	
i) The firm introduced the innovations before the 3 years period considered	
j) The type of production of the firm does not require relevant technological innovations	
k) The industrial sector to which the firm belongs does not require relevant technological innovations.	
4. The firm plans to introduce, over the next five years, technological innovations relating to	Please tick.
a) New or improved product	
b) New or improved processes	
c) Organisational innovations	

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SECTION 4: SOCIO CULTURAL DETERMINANTS OF INNOVATION

It will be a practice worthwhile to assess the socio-cultural determinants of innovation and how they relate to each other.

HUMAN CAPITAL		
S.No	Description	Score (1.....7)
	Human Resource in Science and Technology as % labor force	
	Relative competence in the industry	
	Availability of qualified personnel and domain experts	
	Job-to job mobility of employed human resource	
	Attitude towards learning	
	Willingness to take risks	
	Readiness to accept change	
	Openness to new information	
SOCIAL CAPITAL		
S.No	Description	Score (1.....7)
1	Cooperation with the competitors	
2	Cooperation with the Industry members not necessarily competitors	
3	Cooperation with the academic world	
4	Customer as a source of information	
5	Suppliers as a source of information	
6	Distributors response	
7	Trust	
8	Corruption	
CULTURAL CAPITAL		
S.No	Description	Score (1.....7)
1	Interest in science and technology	
2	Attitude towards science	
3	Attitude towards risk from new technology	
4	Attitude towards future	
5	Attitude towards environment	
6	Attitude towards other cultures	
7	Customer responsiveness	
8	Low on power/status ,hierarchy (Low power distance)	
ORGANISATIONAL CAPITAL		
S.No	Description	Score (1.....7)
1	The organization values the initiatives at work	
2	Readiness of management to delegate decisions to subordinates	
3	A lot of decisions are taken by domains and respective heads	
4	Relation between employers and employees is generally cooperative	
5	Risk taking ability and entrepreneurship is encouraged	
6	Introduction of an organizational innovation	
7	The importance of organizational rigidities as percentage of all innovative activities	
8	Long term orientation	

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SECTION 5: QUESTIONNAIRE ON INNOVATIVE OUTPUTS BY YOUR FIRM

An innovation is a commercialised invention or improvement. An innovation is a new or improved product which has withstood the trial for the market for approximately five years or a new or improved process used for commercial production for approximately five years in India. The period covered is 1947 to date.

1. Innovation
 - a) Name:
 - b) Description:
2.
 - a) Name & Address of Innovating firm (Head Office):
 - b) Innovating establishment (Factory/Lab/Mine or the Operating entity that first produced the innovation or used the process):
3. In what year was the innovative product first produced and marketed in India or the process used for commercial production in India?
4. Were you the first to market this product in India or use this process for commercial production in India?
 - a) Yes
 - b) No
 - c) Do not know
5. Had this or a very similar product or process been marketed or used outside India before?
 - a) Yes
 - b) No
 - c) Do not know

IF yes, Please name upto three countries:

Country

year

- 1.
- 2.
- 3.
- 6.

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a) Who was (were) the principal client(s) for the innovation during the first three years?

(Multiple answers are allowed)

1. Consumer and/or trading company
2. The establishment within your company that first produced the product or used the process
3. Another establishment of your company
4. Other non trade establishments and companies
5. Government/agencies
6. Other

b) Identify up to three establishments and/or companies

1. Name:

Address:

Town:

country:

Industry or economic activity:

2. Name:

Address:

Town:

country:

Industry or economic activity:

3. Name:

Address:

Town:

country:

Industry or economic activity:

7. Your product innovation probably competes for markets with firms that produce and market an identical or similar product(s) performing same function for the same clients;

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or your process innovation has output that competes with that of similar or alternate production processes.

Name upto main 5 competitors in India /overseas

1. Name of the company:
Country:
Product/Process:
 2. Name of the company:
Country:
Product/Process:
 3. Name of the company:
Country:
Product/Process:
 4. Name of the company:
Country:
Product/Process:
 5. Name of the company:
Country:
Product/Process:
 8. Who developed the innovation? (Multiple answers are allowed)
 1. The establishment within your company
 2. Other establishments in the same company
 3. who supplied your firm with some of the key components contributing to this innovation?(scientific, technical, equipment, materials etc)
-
1. Name of the company:
Address:
Town: country:
Industry or economic activity:
 2. Name:
Address:
Town: country:
Industry or economic activity:

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9. In which industries was your firm involved at the time the innovation was first produced, marketed or used?

	S.I.C Code
_____ main	-----
_____ second	_____
_____ third	_____
_____ fourth	_____
_____ fifth	_____

10. The number of employees your firm had at the time of innovation (produced, marketed or used)

- a) 1-19
- b) 20-199
- c) 200-499
- d) 500-999
- e) Over 1000

5. Confidentiality	YES/NO
a) I wish to make all data available	
b) I wish to exclude the names of the clients	
c) I wish to exclude Names of competitors	
d) I wish to exclude Names of component suppliers	
e) Other	

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SECTION 6: QUESTIONNAIRE TO INDUSTRIAL EXPERTS

(INNOVATION IN HEALTH CARE INDUSTRY IN INDIA)

Brief description of innovation	Year introduced	Innovating firm	address	User firm

You can name any innovation that has taken place in the health care industry in India since 1965.

Thank you for participating in the survey. I sincerely thank you all the time and efforts taken out. Please use the following sheet to write down anything that you feel could be of help to support the survey.

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Your comments (if any)

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