ANNEXURES
This map is not an approved map of India from Survey of India. It is only for showing the location of contributing laboratories within the country.
MAP – 2

GEOGRAPHICAL LOCATION OF SELECTED TIC’S

Annexure -II
LIST OF DRDO TECHNICAL INFORMATION

CENTRES CONDUCTED STUDY

Bangalore Zone:

1. Aeronautical Development Establishment, Bangalore
2. Combat Vehicle Research and Development Establishment, Avadi
3. Defence Bio-Engineering and Electromedical Laboratory, Bangalore
4. Defence Food Research Laboratory, Mysore
5. Electronics Research and Development Establishment, Bangalore
6. Gas Turbine Research Establishment, Bangalore
7. National Physical and Oceanographic Laboratory, Kochi

Dehradun Zone:

8. Defence Agricultural Research Laboratory, Almora
9. Defence Electronics Application Laboratory, Dehradun
10. Defence Research and Development Establishment, Gwalior
11. Defence Research Laboratory, Tezpur, Assam
12. Field Research Laboratory, (Defence Institute of High Altitude Research) Leh
13. Institute of Technology Management, Mussorie
14. Instrumentation Research and Development Establishment, Dehradun
15. Terminal Ballistic Research Laboratory, Chandigarh
**Delhi Zone:**
16. Centre for Fire Explosives and Environment, Delhi
17. Defence Institute of Psychological Research, Delhi
18. Defence Institute of Physiology and Allied Sciences, Delhi
19. Defence Scientific Information and Documentation Centre, Delhi
20. Defence Terrain Research Laboratory, Delhi
21. Solid State Physics Laboratory, Delhi

**Hyderabad Zone:**
22. Advanced Numerical Research and Analysis Group, Hyderabad
23. Advanced Systems Laboratory, Hyderabad
24. Defence Electronics Research Laboratory, Hyderabad
25. Defence Metallurgical Research Laboratory, Hyderabad
26. Defence Research and Development Laboratory, Hyderabad
27. Interim Test Range, Balaore
28. Naval Science and Technological Laboratory, Visakhapatnam
29. Research Centre Imarat, Hyderabad

**Pune Zone:**
30. Armament Research and Development Establishment, Pune
31. Defence Institute of Advanced Technology (formerly IAT), Pune
32. Defence Laboratory, Jodhpur
33. High Energy Materials Research Laboratory, Pune
34. Research and Development Establishment (Engineers), Pune
Annexure -IV

QUESTIONNAIRE (NUMBER I) FOR PhD STUDY ON ‘ROLE OF TECHNICAL INFORMATION CENTRES (TICs) OF DRDO IN SUPPORT OF DEFENCE RESEARCH IN INDIA’-A STUDY
A SURVEY OF USER’S OF TIC

Research Guide: Professor SEWA SINGH  Scholar: B. Naga Mohan Rao

Dear Sir/ Madam

Please read the following questions carefully and tick (✓), the answers most appropriate to you. Information provided by you shall be kept confidential. Your cooperation in this regard shall be highly appreciated.

Name of the laboratory/establishment:

Name of the Employee: 

Designation: 

POTENTIAL CONTRIBUTIONS:

1. Do you agree that without the assistance from TIC it is not possible for Defence R & D activities? Yes ( ) No ( )

2. In preparation of project proposals for defence research TICs are playing vital role in providing related information? Yes ( ) No ( )

3. Do you agree that the background information for a project provided by TIC before starting a new project is playing key role in execution of Defence project? Yes ( ) No ( )

4. Is it necessary to have a support from TIC for the success of Defence Research? Yes ( ) No ( )

5. Preparation of project proposals for defence research, TICs are first to be consulted, do you agree? Yes ( ) No ( )

6. Do you agree that the designing of Defence product requires consultation with TIC? Yes ( ) No ( )

7. What is your opinion on your TIC in providing latest information? Excellent ( ) Good ( ) Useful ( )
METHODS OF INFORMATION DISSEMINATION:

8. Do you agree that the information dissemination methods of TIC are according to the requirements of the users of TIC? Yes ( ) No ( )

9. What do you feel about the in-house publications of TIC? Are they playing appreciable role for promotion of Defence Research? Yes ( ) No ( )

10. Is your TIC providing information/document in time? Yes ( ) No ( )

11. Which documents do you find most useful?
   - Books ( )
   - Journals ( )
   - Reports ( )
   - Standards ( )
   - All ( )

12. The documents available at TIC, are they sufficient for your R & D work? Yes ( ) No ( )

USAGE OF TIC:

13. The Supporting services provided by TIC in providing Information/document are main ingredients of Defence project success? Yes ( ) No ( )

14. TICs are spending lakhs of Rupees in providing information/document support to the users, in your opinion are they playing justified role? Yes ( ) No ( )

15. Do you agree that TICs are playing leadership role in the acceptance of project proposals? Yes ( ) No ( )

16. Do you agree that TICs are only ornamental to the organization, their role in the defence research is negligible? Yes ( ) No ( )

17. TIC are heart of the organization, without TICs support there is no research, do you agree? Yes ( ) No ( )

18. Do you get the essential information, materials, technical literature needed for IGMDP from TIC? Yes ( ) No ( )

19. Do you suggest any improvement of TIC for playing better role?
ROLE OF DESIDOC:

20. Do you know there is an organization called DESIDOC?
   Yes (  ) No (  )

21. Have you ever got any information from DESIDOC?
   Yes (  ) No (  )

22. Have you ever read the Technology focus published by DESIDOC?
   Yes (  ) No (  )

23. How do you rate the publication of Technology focus by DESIDOC?
   Yes (  ) No (  )

24. DRDO news/ DRDO samachar published and circulated by DESIDOC, have you ever read it?
   Yes (  ) No (  )

25. The publication ‘ DRDO News’ is a knowledge booster to you?
   Yes (  ) No (  )

26. DESIDOC publishes lists of current scientific literature have you ever read it?
   Yes (  ) No (  )

27. DESIDOC publishes ‘Current abstracts’, are they informative?
   Yes (  ) No (  )

28. DESIDOC organizing training programmes, have you ever attended?
   Yes (  ) No (  )

29. DESIDOC organizing CEP courses, how do you find for your R & D activities?
   Yes (  ) No (  )

RESOURCE SHARING AMONG TICs:

30. Do you get any information/document from other TICs?
   Yes (  ) No (  )

31. Are you satisfied with the other TICs cooperation in sharing their resources?
   Yes (  ) No (  )

32. What is the response, when you approach for a document on Inter Library Loan? Excellent (  ) Fairly Good (  ) Good (  ) Not Satisfied (  )

33. Is there any network between your TIC with others?
   Yes (  ) No (  )

34. What do you expect from other TICs?…………………………

OVERALL OPINION ON TIC:

35. Overall your opinion on TIC towards defence research?
   Excellent (  ) Good (  ) Useful (  ) Not Satisfied (  )

SIGNATURE
NAME:
DESIGNATION:
Dear Sir/ Madam

Please read the following questions and tick mark ( √ ), the answers most appropriate to you. Information provided by you shall be kept confidential. Your cooperation in this regard shall be highly appreciated.

NAME AND ADDRESS OF THE LABORATORY:

NAME AND DESIGNATION
OF THE OFFICER I/C :
Qualifications :

1. What is the budget of your TIC ?
2. How many are employed in TIC ?
3. How many are the library qualified personnel in your TIC ?
4. How many are members of TIC ?
5. What is the strength of each cadre members of TIC ?
   Scientists ________________________________
   Technical Officers __________________________
   Staff ________________________________
   Others__ ____________ ________________________
6. How many readers daily visit to TIC ?
7. Which cadre of employees use TIC frequently?

8. What documents readers mostly ask for?
   - Books ( ), Journals ( ), Reports ( ), Standards ( ), All ( )

9. What is the collection of your TIC?
   - No. Of Books:
   - No. Of Journals Subscribed:
   - No. Of Bound Volumes:
   - No. Of Technical Reports:
   - No. Of Standards:
   - No. Of E-Books:

10. What are the major areas of your collection?

11. How frequently you get the documents on ILL?

12. Is your TIC providing services to other institutions?

13. Is your TIC possess INTERNET/EMAIL/FAX facilities?

14. Is your TIC using the services of DESIDOC? Yes ( ) No ( )
   - If Yes how?

15. Is your TIC getting classified information from DESIDOC? Yes ( ) No ( )

16. Is there any union catalogue published by regional TICs and DESIDOC?

17. Are you getting any bibliographical lists from DESIDOC?

18. Is DESIDOC acting as a parent body for all the TICs of DRDO?

19. The heads of TICs should act as a correspondent of Technology focus
   published by DESIDOC, are you contributing regularly?

20. Is your TIC networked with DESIDOC?

21. Is your TIC sharing resources with DESIDOC?

22. TICs are playing vital role in defence research do you agree?

23. Any comments/Suggestions for overall development of TIC Services?
INTERVIEW SCHEDULE FOR PhD STUDY ON ‘ROLE OF TECHNICAL INFORMATION CENTRES (TICs) OF DRDO IN SUPPORT OF DEFENCE RESEARCH IN INDIA’ A STUDY

<table>
<thead>
<tr>
<th>SUPERVISOR : PROF. SEWA SINGH</th>
<th>SCHOLAR : B. NAGA MOHAN RAO</th>
</tr>
</thead>
</table>

Name of the laboratory/establishment:

Name of the Employee:

Designation:

1. How would rate your TIC in providing information?
   - Excellent, Good, Satisfactory, Not Satisfied

2. How would rate your TIC collection of documents?
   - Excellent, Good, Satisfactory, Not Satisfied

3. How would rate your TIC personnel helping in locating information?
   - Excellent, Good, Satisfactory, Not Satisfied

4. Do you agree that TICs are essential for your research activities?

5. Do you agree that TICs evolving advanced methods of information dissemination for defence research?

6. How would rate your TIC getting documents on inter library loan from other TICs?

7. Have you ever received any document/ information from DESIDOC?

8. Are you satisfied with TIC contribution towards defence research?

9. Any suggestion/comments for betterment of TIC services?

10. Overall opinion on TIC towards defence research?
    - Excellent, Good, Satisfactory, Not Satisfied