

RESEARCH SCHEME on POWER (RSOP)

GUIDELINES FOR THE PREPARATION OF FINAL REPORT ON THE RESEARCH PROJECTS

The final Technical report shall consist of the following chapters:

1. **Introduction:** The Introduction has to be brief and it should explain the genesis of the study. It should have all the essential features of any Research study like (a) Literature Survey and gaps in the understanding of the Research subject and (b) a note on the state of art of the technology and the new concepts/technologies which are being investigated at reputed laboratories within and outside the country. The literature review and technology assessment should refer to latest developments only. The list of References should be furnished and they should appear in the order in which they are referred in the text. IEEE format should be followed for references. It should not be focused on administrative details or matters which have no direct relevance to the technical content such as manpower constraints, delay in procurement etc.
2. **Objectives and Scope of the study:** The objectives of the study should be clearly stated and the scope of the work should be defined clearly.
3. **Deliverables:** The expected deliverables of the Research Study should be specified and its importance to the present day needs of the Power Sector should be correlated to bring out the relevance and importance of the work to the Power Sector.
4. **Experimental Procedure:** This Chapter should indicate the methods used or adopted and the National and International specifications applicable to the methods. A brief description of the equipments and Apparatus should be presented. A note on the accuracy of the method, repeatability and reproducibility of data may be included where ever applicable. If a new procedure or method is designed and developed under the project, the same may be explained under this Chapter.
5. **Results and Discussions:** The data collected may be tabulated and numbered and presented in the order in which it is referred in the text. Discussions of result is a very important aspect of Research Reporting and maximum care and due diligence may be exercised while preparing this portion of the Technical Report. Analysis of the report and comparison of results with published data should attempted to highlight the importance of this work to Power Sector in India
6. **Conclusions:** Important conclusions and scope for further work may be highlighted in this section. It is important to emphasize the usefulness of the work in present day context to address the problems of manufacturers and utilities in our country. Need for additional work which could be covered under this project may be explained so that utilities or Academic Institutions can explore the possibility of taking up the work.
7. **Technology know - how report:** A report on the application of results in the field of design, construction of pilot plants, demonstration projects, routine maintenance or operation or scaling up of operation, economy of operation etc., should be brought out separately as a report under this caption.

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GENERAL INSTRUCTIONS:

- (1) *The font used shall be “TIMES NEW ROMAN” 12 for running matter. The Headings shall be bold and in Capitals and the subheadings shall be “Sentence Case” 12 Font and bold.*
- (2) *The sections, figures and tables will be numbered with reference to the chapter number. For example in Chapter 2, the first Section will be 2.0 and subsections will be 2.10. Similarly the figures will be Figure 2.1, 2.2 etc., and tables will be Table 2.1, 2.2 etc.*
- (3) *The technical report should be complete in all respects and the entire material included in the Report should be made available as a soft copy.*
- (4) *The Technical Report should be forwarded to the CPRI nodal officer within 15 days of Completion of the Project. It will be reviewed by the nodal officer and then passed on to R&D Management Division of CPRI for next level of Review. The R&D Management Division shall arrange the Review of Technical Report by two outside experts. The comments of Nodal Officer, CPRI, R&D Management Division, CPRI and two experts will be sent to the Research Station for incorporating the comments and suggestions. Five copies of the final Report with one soft copy (on CD) should be forwarded to R&D Management Division of CPRI.*