Application for Booking the Services of SCC, CEMILAC

1	Name of the Organization that wants to use SCC :	
2	Contact Person from the organization responsible for SCC usage :	
3	Address, Telephone Number and E mail id of the Contract person:	
4	Name and designation of people that require entry to SCC :	
5	Name of the project for which SCC to be used :	
6	Certifying RCMA and Dealing Officer :	
7	Type of Analysis to be carried out :	
8	Tool required (Optional). If this is not mentioned, available tool suitable for activities mentioned in para 7 will be allocated by the centre :	
9	Duration (No. of days) for which the Appointment is required :	
10	Confirmation Availability of all the Pre-requisite information as per Annexure 1:	Yes /No
11	Criterion for selection/prioritization for allocation of resources:	(i) First generation MSME (Y/N): (ii) Product of National importance or urgency (Y/N): (iii) For immediate use in services (Y/N):

Undertaking by the Applicant

I, hereby undertake that the usage of SCC for technical analysis of the above Project only and if I get the permission from CE(A), CEMILAC to use the facilities at CEMILAC premises, my team will abide by all the rules and regulations and security instructions of CEMILAC. I also declare that I take the full responsibility of the Analysis results and indemnify CEMILAC and its personnel from any legal consequences arising from the above work. In case of any damage to the software or any other CEMILAC assets, I will abide to the decision given by CEMILAC management.

Signature of Applicant :
Name with Designation & Date :

Application No.: SCC/ /yyyy **For Office Use Only**
              Date & Time Allotted: ………………. to ……………………

Head SCC

Recommended / Not Recommended   Security & Vigilance clearance
    RD / GD/ Director   GD (MS)

Approval by Chief Executive (A), CEMILAC
Approved / Not Approved

Chief Executive (A), CEMILAC

Pre-requisite Technical Information Required for SCC Usage

Currently, the tools available in SCC are given below with necessary pre-requisites:

Purpose	Tool name	Vendor	Ver no.	Pre-requisite

1. Requirement Analysis:
   a. Traceability to Test document
   b. Impact Analysis
   c. Regression test cases determination
	DOORS	IBM	9.6.0.0	SRD, FRD, STD/ SVCP (in .doc file format)

1. Static Analysis of C/C++:
   a. Code Compliance (MISRA C/C++ or other rules)
   b. Metrics on code (Complexity, ELOC, Nesting depth)
   c. Overall quality of code (Clarity, Maintainability, Testability)
2. Dynamic Analysis of C/C++:
   a. Structural coverage
     i. Statement
     ii. Branch/Decision
     iii. MCDC
3. Unit Testing
4. Integration Testing
	LDRA	LDRA	10.1.0	Source code

1. Static Analysis of C/C++:
   a. Code comprehension
   b. Flow graphs
   c. Data coupling
   d. Control coupling
   e. Architecture correctness
   f. Dictionary of variables and procedures
	Understand	SCI	6.4	Source code

1. Static Analysis of C/C++:
   a. Code comprehension
   b. Overall quality of code (Clarity, Maintainability, Testability)
2. Run-time error identification
3. Unreachable code identification
	PolySpace	MathWorks	R2023b R2023a	Source code

Note: Any necessary pre-requisites that are brought for SCC usage are not to be left in SCC.
It needs to be taken back by the applicant.