# FRAMEWORK FOR THE ESTABLISHMENT OF A CENTRE OF EXCELLENCE ON CIRCULARITY IN INDIA

# **GUIDANCE MANUAL**

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#### 1. Overview and Identification of Potential Nodal Host Institutes

The study report proposes an exhaustive pool of services, including a prioritised list of services. Furthermore, it elaborates on the architectural framework of the CoE which is an "apex and nodes" model. The kind of institutions and organisations that will thus be a part of the CoE's network is evident from the study report.

There are many universities, research institutions, think tanks, consulting organizations, training institutes, civil society organizations, and industry bodies in India which are actively engaged in activities that help foster circularity. Many of them can be further developed as a part of the Centre of Excellence on Circularity by expanding their role, responsibilities as well as their resource base. While many major universities and research institutes have sufficient resources and capabilities to develop into competent nodes of the CoE on Circularity, more work may be required to integrate and develop the others such as think tanks and research organizations.

Table 1 shows a list of institutes at the state, national and international level, from which the nodal host institutes for the proposed CoE on Circularity architecture could be selected. These institutes have been identified based on the landscape matrix that was prepared to capture the key perspectives and focus that the CoE would need to integrate while assessing the market for actual services that the Centre could provide. The matrix highlighted the need for a Life cycle perspective, Sectoral/Cross Sectoral focus, Addressing Emerging Issues and Use of tools.

Table 1: List of Potential Institutes to be considered part of the CoE Network

| Sr.<br>No. | Institute name  | Location              | Туре  | Scope of Services   | Link   |
|------------|---|-----------------------|---|---|--|
| 1.         | Centre for Digital Circular Economy for Sustainable development Goals (DCE - SDG) at OP Jindal University | Sonipat,<br>Delhi NCR | Academic  | Education & Awareness Capacity building   | https://jgu.edu.in/jgbs/centre-<br>for-digital-circular-economy-for-<br>sustainable-development-goals/ |
| 2.         | CII – ITC CESD  | New Delhi             | Centre of Excellence by an industry association | Circular business models & Investment Policy advocacy Capacity building                               | https://sustainabledevelopment.in/interventions/circulareconomy/                                       |
| 3.         | Centre for Responsible<br>Business  | New Delhi             | Think-tank                                      | Capacity building Policy advocacy   | https://c4rb.org/about-crb/  |
| 4.         | Centre of Excellence in<br>Environmental<br>Economics   | Thrissur              | Centre of Excellence                            | Education and<br>Awareness  Capacity building<br>including through<br>conduct of training<br>programs | https://ceee.kau.in/   |

| Sr.<br>No. | Institute name                                 | Location  | Туре  | Scope of Services   | Link   |
|------------|--|-----------|---|---|--|
| 5.         | Centre of Excellence on<br>E-waste Management  | Telangana | Centre of Excellence  | Capacity building  Technology and innovation  Circular business model and investment  | https://www.coeonewaste.com/index.html   |
| 6.         | CII – Sohrabji Godrej<br>Green Business centre | Hyderabad | Centre at an industry association   | Advisory services  Circular business models   | http://www.greenbusinesscentre.<br>com/aboutus.php                                     |
| 7.         | International Institute of<br>Waste management | Bhopal    | Not-for-profit established as<br>a project by Ministry of<br>Science and Technology | Capacity building  Training programs through education and awareness  | https://www.iiwm.in/   |
| 8.         | CoE for Waste to Wealth<br>Technologies        | IIT Delhi | Centre of Excellence  | Implementation of waste to wealth into business Capacity building Technology development and innovation Policy support across sectors | https://www.psa.gov.in/article/c<br>entre-excellence-waste-wealth-<br>technologies/235 |
| 9.         | Centre for Science and<br>Environment          | New Delhi | Public interest Research and advocacy organisation                                  | Education and awareness Policy advocacy   | https://www.cseindia.org/page/aboutus  |

| Sr.<br>No. | Institute name                               | Location    | Туре   | Scope of Services   | Link   |
|------------|--|-------------|--|---|--|
|            |  |             |  | Capacity development  |  |
| 10.        | National Solid Waste<br>Association of India | Mumbai      | Not-for-profit dedicated to the waste management   | Capacity building and consulting                                  | https://www.nswai.org/index.ph                         |
|            |  |             |  | Policy advocacy   |  |
|            |  |             |  | Education & Awareness   |  |
|            |  |             |  | Technology development and innovation                             |  |
|            |  |             |  | Stakeholder engagement  |  |
| 11.        | The Centre for Waste<br>Management (CWM)     | Chennai     | The Centre housed inside a technical institute-<br>Sathyabama Institute of Science and Technology                                | Research and development for a cleaner and greener environment.   | https://www.centreforwastemana<br>gement.com/index.htm |
|            |  |             |  | Public awareness and outreach                                     |  |
| 12.        | Attero                                       | Noida Noida | The largest electronic asset Management company works in the direction of a circular economy through its 'CleanIndia' initiative | Technology<br>Development and<br>Innovation                       | https://attero.in/about/                               |
|            |  |             |  | Circular business models and investment                           |  |
|            |  |             |  | The 'CleanIndia' initiative also provides for incubation support. |  |

| Sr.<br>No. | Institute name  | Location   | Туре                 | Scope of Services  | Link  |
|------------|---|--|----------------------|--|---|
| 13.        | TERI  | Delhi, with<br>regional<br>presence<br>across the<br>country | Think Tank, R&D      | Integrating Resource efficient Technologies into Businesses  Environment Education and Awareness generation  Policy Advisory | https://www.teriin.org  |
| 14.        | Platform for Accelerating<br>the Circular Economy<br>(PACE) | Centre for<br>Sustainable<br>Business –<br>WRI               | Research             | Provide Evidence-based research and analysis which can be disseminated to the industry.  Policy advocacy                     | https://www.wri.org/initiatives/<br>platform-accelerating-circular-<br>economy-pace |
| 15.        | CSTEP   | Bangalore  | R&D<br>Think Tank    | Research driven policy making  Education and awareness generation  | https://cstep.in/   |
| 16.        | CoE for Innovation<br>Entrepreneurship and<br>Start-ups     | Telangana  | Centre of Excellence | Supporting entrepreneurs with their start-up to solve social and environmental challenges                                    | https://www.cii.in/startup-<br>centre.aspx  |

| Sr.<br>No. | Institute name                                  | Location  | Type   | Scope of Services  | Link   |
|------------|---|-----------|--|--|--|
|            |   |           |  | Circular business models and investment.   |  |
|            |   |           |  | Education and capacity building.   |  |
| 17.        | Indian Institute of Forest<br>Management (IIFM) | Bhopal    | Academic   | Research and dissemination of research.  | https://iifm.ac.in/  |
|            |   |           |  | Education and awareness  |  |
| 18.        | FICCI   | New Delhi | Industry Association                                       | Networking and consensus building  | https://ficci.in/about-us.asp  |
|            |   |           |  | Policy advocacy  |  |
|            |   |           |  | Research and dissemination of industry knowledge                                     |  |
|            |   |           |  | Symposium on Circular<br>Economy   |  |
|            |   |           |  | Lead and coordinate the<br>India LCA Alliance  |  |
| 19.        | ASSOCHAM  | New Delhi | Associated Chamber of<br>Commerce and Industry in<br>India | Network of industry<br>leaders in the sector of<br>Environment and climate<br>change | https://www.assocham.org/over<br>view-<br>sector.php?name=environment-<br>and-climate-change |

| Sr.<br>No. | Institute name   | Location                                       | Туре  | Scope of Services   | Link                              |
|------------|--|--|---|---|-----------------------------------|
|            |  |  |   | Incubation support  Research support  Policy advocacy  Awareness and outreach                       |                                   |
| 20.        | Federation of Indian<br>Micro and Small &<br>Medium Enterprises<br>(FISME) | New Delhi                                      | Federation of Indian micro, small and medium enterprises focusing on trade and market access issues | Research support  Market analysis  Dissemination of research through studies across various sectors | https://fisme.org.in/introduction |
| 21.        | Council on Energy,<br>Environment and Water<br>(CEEW)                      | New Delhi                                      | Think Tank  | Research support Policy advocacy Capacity building Education and awareness                          | https://www.ceew.in/              |
| 22.        | National Institute of<br>Design (NID)                                      | Ahmedabad,<br>Gandhinagar<br>and<br>Bengaluru. | Statutory educational and research institute under the DPIIT, Ministry of Commerce and Industry,    | Research  Design innovation Business innovation  Education and awareness                            | https://www.nid.edu/home          |

| Sr.<br>No. | Institute name                  | Location  | Туре                 | Scope of Services   | Link   |
|------------|---------------------------------|-----------|----------------------|---|--|
| 23.        | International Council for       | New Delhi | Council              | Research  | https://ic-ce.com/                             |
|            | Circular Economy                |           |                      | Capacity building   |  |
|            |                                 |           |                      | Education & Awareness   |  |
|            |                                 |           |                      | Circular business models  |  |
| 24.        | All India Plastic Manufacturers | Mumbai    | Industry Association | Circular business models and investment                           | https://www.aipma.net/about-<br>us.php         |
|            | Association (AIPMA)             |           |                      | Capacity building   |  |
|            |                                 |           |                      | Technology development and innovation                             |  |
| 25.        | Indian Pollution Control        | New Delhi | Not-for-profit       | Capacity building   | https://www.ipcaworld.co.in/abo                |
|            | Association (IPCA)              |           |                      | Education & Awareness   | <u>ut</u>                                      |
| 26.        | CSIR-NEERI                      | Nagpur    | Research Institute   | R&D   | https://www.neeri.res.in/#googt<br>rans(en en) |
|            |                                 |           |                      | Technology development and innovation                             | rans(en   en)                                  |
|            |                                 |           |                      | Capacity building   |  |
| 27.        | Development                     | New Delhi | Think Tank           | Research  | https://www.devalt.org/Home.as                 |
|            | Alternatives (DA)               |           |                      | Entrepreneurship<br>development<br>Provides incubation<br>support | <u>bx</u>                                      |

| Sr.<br>No. | Institute name   | Location  | Туре   | Scope of Services  | Link                      |
|------------|--|-----------|--|--|---------------------------|
|            |  |           |  | Circular business models and investment  |                           |
| 28.        | Centre for Environment<br>Education (CEE)                | Ahmedabad | Centre of Excellence under<br>Govt. of Gujarat | Education and Awareness  Capacity building in the field of Education for Sustainable Education   | https://www.ceeindia.org/ |
| 29.        | Indian Institute of<br>Technology (IIT)<br>Bombay        | Mumbai    | Academics                                      | Technology development and innovation  Capacity building  Circular business models and investment  Industrial research and consultancy | https://www.iitb.ac.in/   |
| 31.        | Gokhale Institute of<br>Politics and Economics<br>(GIPE) | Pune      | Academics                                      | Capacity Building Research Houses a Centre for Sustainable Development   | https://gipe.ac.in/       |

| Sr.<br>No. | Institute name                           | Location  | Туре               | Scope of Services   | Link   |
|------------|--|-----------|--------------------|---|--|
| 30.        | TERI School of<br>Advanced Studies (SAS) | New Delhi | Academics          | Research Capacity building Innovation Entrepreneurship cell   | https://www.terisas.ac.in/index.p<br>hp        |
| 31.        | National Productivity<br>Council         | Mumbai    | Autonomous Council | Consultancy and Training Capacity building Circular business model and investment   | https://www.npcindia.gov.in/NP<br>C/User/about |
| 32.        | Sanshodhan                               | Hyderabad | Consultancy        | Providing Circular Economy and ESG services to industry  Research  Capacity building  Certification  Circular economy model | https://sustainabilityexchange.world/          |

| Sr.<br>No. | Institute name                                       | Location  | Туре                              | Scope of Services   | Link   |
|------------|--|-----------|-----------------------------------|---|--|
| 33.        | MET Institute of<br>Management                       | Mumbai    | Academics                         | Capacity building  Research support  Promotion of Circular business models and Investment  Entrepreneurship support | https://www.met.edu/   |
| 34.        | Indian Institute of<br>Technology (IIT)<br>Kharagpur | Kharagpur | Academics                         | Innovation and technology development  Capacity building  Research  | http://www.iitkgp.ac.in/;jsessioni<br>d=933D06B6F7407FBB1BA1EE<br>250739D65E |
| 35.        | Indian Institute of<br>Sustainable development       | New Delhi | Think Tank and research institute | Policy advisory  Training and capacity building  Campaigns, outreach, and certifications                            | https://www.iisdindia.in/index.p<br>hp                                       |

| Sr.<br>No. | Institute name                              | Location             | Туре  | Scope of Services   | Link                                      |
|------------|---|----------------------|---|---|---|
| 36.        | National Council for<br>Cement and Building | Haryana              | Premier research body under<br>the Govt. of India | Research and<br>Development                                 | https://www.ncbindia.com/abou<br>t-us.php |
|            | materials                                   |                      |   | Training and capacity building                              |   |
|            |   |                      |   | Technology development,                                     |   |
|            |   |                      |   | Industrial services for cement and construction industries. |   |
| 37.        | SWaCh                                       | Pune                 | Social Enterprise                                 | Inclusive circular economy                                  | https://swachcoop.com/                    |
|            |   |                      |   | Training and capacity building                              |   |
| 38.        | Environmental Management Contro Pret        | Mumbai,<br>Ahmedabad | Consultancy organization                          | Policy advisory   | https://emcentre.com/                     |
|            | Management Centre Pvt.<br>Ltd. (EMC)        | Anmedabad            |   | Research  |   |
|            |   |                      |   | Capacity Building   |   |
| 39.        | Indian Institute of                         | Ahmedabad            | Academics   | Policy research   | https://iima.ac.in/                       |
|            | Management (IIM)<br>Ahmedabad               |                      |   | Circular business models and innovation                     |   |
|            |   |                      |   | Capacity building   |   |

| Sr.<br>No. | Institute name                                       | Location  | Туре                        | Scope of Services   | Link                                |
|------------|--|-----------|-----------------------------|---|-------------------------------------|
| 40.        | Indian Institute of<br>Management (IIM)<br>Jammu     | Jammu     | Academics                   | Research Capacity building  | https://www.iimj.ac.in/             |
|            |  |           |                             | Centre for Innovation and Entrepreneurship  |                                     |
| 41.        | Indian Institute of<br>Management (IIM)<br>Bangalore | Bangalore | Academics                   | Centre for Corporate Governance and Citizenship focuses on Circular Economy and triple bottom line  Policy Advocacy  Research support  Incubation and Entrepreneurship cell | https://www.iimb.ac.in/             |
| 42.        | NIT Warangal   | Warangal  | Academics                   | R&D   | https://www.nitw.ac.in/             |
|            |  |           |                             | Training and capacity building  |                                     |
| 43.        | Bureau of Indian<br>Standards (BIS)                  | Delhi     | Accreditation and standards | Developing standards and certifications   | https://www.bsigroup.com/en-<br>IN/ |
|            |  |           |                             | Training and capacity building  |                                     |

| Sr.<br>No. | Institute name  | Location                        | Туре           | Scope of Services   | Link                              |
|------------|---|---------------------------------|----------------|---|-----------------------------------|
| 44.        | Centre for Research in<br>Ecology and Sustainable<br>Technologies (CREST) | North<br>Thathanaicke<br>npatti | Not for profit | Community engagement  Training and capacity building  Certification                               | http://anaadicrest.org/index.html |
| 45.        | Indian Institute of<br>Technology (IIT) Delhi                             | Delhi                           | Academic       | R&D  Technology development and innovation  Training and capacity building  Incubation facilities | https://home.iitd.ac.in/          |
| 46.        | Indian Institute of<br>Technology (IIT)<br>Guwahati                       | Guwahati                        | Academic       | R&D Circular Business model Training and capacity building Incubation centre                      | https://www.iitg.ac.in/           |

| Sr.<br>No. | Institute name   | Location                                     | Туре   | Scope of Services   | Link  |
|------------|--|--|--|---|---|
| 47.        | Indian Institute of<br>Technology (IIT) Madras                               | Madras                                       | Academic   | R&D  Technological solutions  Major focus on water and sustainability  Training and capacity building  Incubation support | https://www.iitm.ac.in/the-institute/circular-economy |
| 48.        | Circulate Capital  | Singapore<br>(has<br>operations in<br>India) | Financial Services   | Incubation support  Impact Investment  Circular financing solutions   | https://www.circulatecapital.com                      |
| 49.        | Mahindra TERI (MT<br>CoE) Centre of<br>Excellence for<br>Sustainable Habitat | Gurgaon                                      | Centre of Excellence<br>(with focus on research,<br>innovation and technology) | Research  Develop a repository of innovative materials and technologies  Knowledge hub                                    | https://mahindratericoe.com/ind<br>ex.php             |

Table 2 attempts to map the prioritised services identified in the Study Report with the list of some of the potential nodal institutes that could be considered for provision of the prioritized services. Identification of the most fitting institute that can be considered as a "node" in the delivery of each prioritised service can derive guidance from this mapping, but may also explore other institutes and engage in discussion with stakeholders.

Table 2: Mapping Potential Institutes to Prioritized Services

| Sr.<br>No. | Name of Prioritised Service   | Potential Institute can could provide the service  |
|------------|---|--|
| 1.         | Coordinate and work with local and state governments to foster circularity at the subnational level   | TERI, EMC, DA  |
| 2.         | Build regulatory/policy sandboxes for testing policy instruments by working with various line ministries  | Sanshodhan, Platform for Accelerating the<br>Circular Economy (PACE), Council on Energy,<br>Environment and Water (CEEW)   |
| 3.         | Preparing sectoral strategies in reaching the 2070 Net-Zero target through the CE approach  | TERI, CEEW, National Council for Cement and<br>Building materials  |
| 4.         | Design financing models/instruments to foster<br>a transition to a circular economy (such as<br>Green Bonds)  | Circulate Capital, EMC,  |
| 5.         | Measure the nation's progress on Circular Economy   | TERI, EMC  |
| 6.         | Lead and guide the setting up of industry bodies that will facilitate a focussed and structured approach to key CE aspects, such as a Remanufacturing Council | FICCI, National Productivity Council   |
| 7.         | Lead and guide the development and delivery of need-based innovative training modules including those for senior government officials                         | TERI School of Advanced Studies (SAS), IPCA,<br>Centre for Environment Education (CEE)   |
| 8.         | Technical Guidance to setting up of circular economy parks/ industrial parks integrating circularity and development of their ESG policy                      | NPC, EMC, TERI, IITs, National Council for<br>Cement and Building materials  |
| 9.         | Create innovation spaces (IS) like fab labs,<br>makerspaces, hackerspace, living labs, and<br>coworking spaces to strengthen innovation<br>capacities         | TERI School of Advanced Studies (SAS); Indian<br>Institute of Technology (IIT) Madras, IIMs, CoE<br>for Innovation Entrepreneurship and Start-ups,<br>Centre of Excellence on E-waste Management |
| 10.        | Drive and support supply chains to become more circular   | FICCI, ASSOCHAM, IIMs  |
| 11.        | Provide technical assistance for developing and implementing circular economy-based pilot and demonstration projects  | National Council for Cement and Building materials, CSTEP, CSIR-NEERI,   |

Table 3 maps the prioritised sectors identified in the Study Report with the list of potential host institutes. This mapping is in congruence with the sample networks laid out for each of the prioritised sectors in the Study Report. Some of the institutes identified in the table may not be a part of Table 1 due to their sector centric nature.

Table 3: Mapping Potential Institutes to Prioritized Sectors

| Sr.<br>No. | Prioritised Sector | Potential Host Institute(s)   | Nature of engagement  |
|------------|--------------------|---|---|
|            |                    | Bureau of Indian Standards<br>(BIS)   | Setting standards, providing certification and labels for quality of recycled material  |
|            |                    | All India Plastics Manufacturers<br>Association (AIPMA)                           | Technical Guidance on CE parks;<br>Pushing industry for adoption of<br>industry standards   |
|            |                    | Institute of Chemical<br>Technology (ICT), Mumbai                                 | R&D around sustainable material solutions, Circular designs on plastic products   |
| 1.         | Plastics           | The Energy Resources Institutes (TERI) & Centre for Science and Environment (CSE) | Policy research, implementation advisory, education and awareness   |
|            |                    | Environmental Management<br>Centre Pvt Ltd (EMC)                                  | LCA to assess alternatives to plastics, waste management options and working with entrepreneurs to develop pilot and demonstration projects for a public/private agency |
|            |                    | Centre for Environment<br>Education (CEE)   | Developing and conducting capacity<br>building programs for the informal<br>sector  |
|            |                    | Go Massive Earth  | Entrepreneurship and innovation   |
|            |                    | (Agra Innovation Lab for<br>Prevention of Plastic Leakage)                        |   |
|            |                    | Indian Green Building Council (IGBC)  | Developing and promoting standards<br>for building materials, certification for<br>"circular buildings", Pushing industry<br>for adoption of industry standards         |
| 2.         | Construction       | Confederation of Indian<br>Industry (CII)   | Expanding the GreenPro Certification; strengthening circular aspects in the existing certification  |
|            |                    | Material Recycling Association of India (MRAI)                                    | Policy advocacy, Awareness generation and capacity building programs  |
|            |                    | Development Alternatives (DA)   | Policy research, circular building material solutions; C&D waste inventorization and material flow  |

|    |          | Concrete and Cement Industry<br>Representation (through CMA,<br>GCCA)                    | Technical support to industry for utilizing recycled/secondary aggregates and cementitious industrial byproducts in concrete and alternative fuels/raw materials in cement kilns |
|----|----------|--|--|
|    |          | National Council for Cement<br>and Building Materials (NCB)                              | Research and development of innovative technologies  |
|    |          | Bureau of Indian Standards (BIS)   | Setting standards, providing certification and labels for quality of recycled material   |
|    |          | Ministry of Textiles   | Creation of strategy documents and policy brief with the objective of furthering circularity in Indian textiles  |
|    |          | The Energy Resources Institutes (TERI)   | Preparation of implementable sector-<br>wide strategy for CE in textiles   |
|    |          | Deutsche Gesellschaft für<br>Internationale Zusammenarbeit<br>(GIZ)                      | Supporting pilot and demonstration projects of innovative circular solutions   |
|    |          |  | *This could be done in partnership with government ministries  |
|    |          | Federation of Indian Chambers<br>of Commerce & Industry<br>(FICCI)                       | Organisation of large-scale, high-level events on the topic of "circular textiles" for knowledge building and networking   |
| 3. | Textiles | Environmental Management<br>Centre Pvt Ltd (EMC)   | Development of ESG policy, conduct of LCA for large textile manufacturers to understand impacts across the value chain and suggesting alternative actions to promote circularity |
|    |          | National Institute of Design<br>(NID) and Indian Institute of<br>Technology (IIT), Delhi | Research on implementable solutions at the upstream (design) stage of textiles (focus on material sciences and textile engineering   |
|    |          | TARU Leading Edge  | Development and conduct of capacity<br>building programs for informal sector<br>workers, understanding social impacts<br>at upstream stages                                      |
|    |          | Bureau of Indian Standards<br>(BIS)  | Setting standards, providing certification and labels for quality of recycled material   |

## 2. Application and Assessment Process

In order to steer the process of identifying and designating institutions as Centres of Excellence, Ministry of Environment, Forests and Climate Change (MoEFCC) will constitute a committee comprising of

officials from MoEFCC, Key Line Ministries, Leading Domain Experts in the field of Circular Economy, NITI Aayog. This committee will evaluate the proposals.

- Call for Letter of Intent and pre-proposals (10 page maximum). The proposal should be accompanied by a cover letter from the CEO of the Organization formed for the establishment of the CoE. In the case of an Educational Institute, the proposal should have an endorsement letter from the Head of the Institution who should forward the proposal.
- Submission of pre-proposals by the interested institutes using the formats provided by MoEFCC.
   Only one proposal per institute shall be accepted. The submission of multiple proposals per institute shall make the proposals liable to be rejected.
- Assessment of pre-proposals according to set evaluation criteria (described in this guide) resulting in short listing of institutes for development of full proposals.
- Call for full proposal (maximum 50 pages) detailing plans for 5 years of work in line with the prioritized services identified.
- Submission of full proposal
- Evaluation of full proposal according to set evaluation criteria (described in guide)
- Field Visit of suitable proposals, followed by submission of Field Visit Report
- Recommendation by selection committee and communication of the decision

#### Checklist of documents to be attached with the application

- Pre-proposal application as per Annexure
- Attested copies of the Registration Certificate, Memorandum of Association and By-laws of the Organization in case of non-governmental organization/institute.
- Attested copy of the Audited Statement of Account for the last 3 years.
- A note of activities in the last five years especially those related to research, training and capacity building.
- The list of publications by the applicant Institution in the last five years, if any.
- Documents supporting the previous track record of working in the field of circular economy
- Registration Certificate of the Institute/Organisation One copy
- Memorandum of Association of the JV Partners One copy
- Annual Reports for the last three years of the applicant(s) that is CAG approved One copy each

#### 3. Eligibility Criteria

The eligibility criteria for potential nodal host institutes in the CoE network, a set of minimum eligibility criteria and a set of advanced criteria have been identified. The assessment along the minimum eligibility criteria is binary (Yes/No) and the assessment along the advanced criteria is done using a scale of 0-10 by the evaluation committee.

The two sets of criteria are presented in Figure 1.

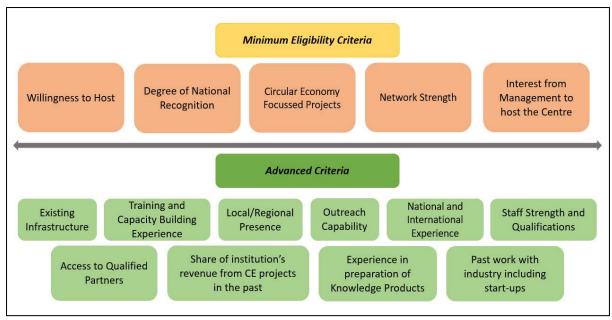


Figure 1: Eligibility criteria and Advanced Criteria for evaluation of potential nodal host institutes

Table 4 below provides an elaboration of the minimum eligibility criteria along with the necessary documentary evidence that the institute will have to present. Table 5 does the same for the advanced criteria. Additionally, the table also gives the distribution of weights on which the institutes will be evaluated for the advanced criterion.

Table 4: Elaboration and documents required for minimum eligibility criteria

|  | Minimum Eligibility Criteria   |   |
|--|--|---|
| Criteria   | Elaboration  | Necessary Documents   |
| 1. Willingness to host                                   | The institute must be willing to take on the responsibility of providing its expertise and personnel through service provision as per the apex Centre's requirement. This commitment must persist in the long run. | • A declaration confirming willingness to be a part of the network of institutes under the Centre of Excellence for 10 years should be provided.  |
| 2. Degree of National Recognition / National Recognition | The institute must have repute and recognition at the national level. It should carry accreditation labels approved by the UGC or other equivalent and relevant accreditations.                                    | <ul> <li>All academic institutions should have a NAAC accreditation of A++. A certificate from NAAC regarding the same should be provided.</li> <li>For the government think tanks/research organizations, affiliation or certification by governing councils, like the Indian Council of Social Science Research (ICSSR)</li> <li>For non-governmental think tanks/research organizations, registration</li> </ul> |

|    |   |   | details as company, a society or as a trust  |
|----|---|---|--|
| 3. | Circular Economy<br>focussed projects             | The institute must have initiated or been involved in (through partnership or collaboration) at least 5 circular economy related projects in the span of the last two years.  | Contract documents indicating involvement in a minimum of 5 circular economy related projects should be provided.  |
| 4. | Network Strength                                  | The institute should have a strong and well-established network of its own. In this regard, the institute must have collaborative relations with at least 5 other organisations/institutions.   | <ul> <li>Formal contracts indicating the scope of each collaboration should be provided         OR     </li> <li>Work done under collaborative agreements can be presented.</li> </ul> |
| 5. | Interest from<br>Management to<br>host the Centre | The institute's management board should be willing to provide a physical space within the institute's property for the functioning of the nodal agency. Furthermore, the Board should also be willing to assign atleast 2 personnel to work full-time/part-time towards the Centre's service offerings. | A letter of consent<br>authorising allotment of<br>physical space and<br>personnel, duly signed by all<br>members of the Board<br>should be provided.                                  |

Table 5: Elaboration and documents required for advanced eligibility criteria

|    |                         | Advanced Criteria  | ι |  |
|----|-------------------------|--|---|--|
|    | Criteria                | Elaboration  |   | Necessary Documents  |
| 1. | Existing Infrastructure | The institute should be equipped with the physical infrastructure necessary to provide services as a nodal agency of the CoE. The nature of the necessary infrastructure will vary according to the type of institution.  For academic and educational institutions:  A physical space dedicated to the activities of the CoE should be available.  Access to digital technology (computers, laptops, printers, etc.) should be available.  Access to the internet should be available.  Access to physical/online academic libraries should be available.  For research institutes: |   | Duly completed form mentioning the details of the available infrastructure should be provided. The format of the form can be shared in the preproposal document. |

|  | T  |   |
|--|--|---|
|  | <ul> <li>A physical space dedicated to the activities of the CoE should be available.</li> <li>Access to digital technology (computers, laptops, printers, etc.) should be available.</li> <li>Access to the internet should be available</li> <li>Access to the required technical infrastructure (labs, tools, etc.) should be available.</li> </ul> |   |
|  | <ul> <li>For industry associations:</li> <li>A physical space dedicated to the activities of the CoE should be available.</li> <li>Access to digital technology (computers, laptops, printers, etc.) should be available.</li> <li>Access to the internet should be available</li> </ul>   |   |
| 2. Experience in Training and Capacity Building  (*This criterion is applicable only to nodal host institutes who will be delivering training/ capacity building related services for the CoE) | The institute should have designed and delivered at least 7 training-based projects. The institute should also have carried out at least 10 capacity building projects. Each project should not be of a duration shorter than 3 months. All the experience in training and capacity building should be in projects centric to circular economy.        | <ul> <li>Contracts indicating completion of each training-based project should be submitted.</li> <li>Contracts indicating completion of each capacity building session should be submitted.</li> <li>Photographic evidence of sessions should be submitted.</li> </ul> |
| 3. Local/Regional Presence   | Institutes with local/regional presence through offices/ staff/networks  | Details of the presence including the<br>kind of human resources available,<br>stakeholder connect and kind of<br>clients   |
| 4. Outreach<br>Capability  | The institution should have a strong set of outreach activities to showcase its work. Outreach channels include, but are not limited to:  - Website  - Events (online and physical)  - Publications  - Social media presence  - Other collaterals  | Details of outreach activities     (including photographic evidence)     should be provided and sample     collateral created to be shared  |
| 5. National and<br>International<br>Experience   | The institution should have initiated or worked on (through partnerships and/or collaborations) at least 20 projects having India-centric  | Contracts indicating the completion of projects should be provided.   |

|     |   | outcomes, and 10 projects having international outcomes.   |   |  |
|-----|---|--|---|--|
| 6.  | Staff Strength<br>and<br>Qualifications                     | The institutions should be willing to allocate at least 3 staff members who will work full-time, and 5 staff members who will work part-time towards the fulfilment of the CoE's activities. | • | Letters of acceptance from staff members regarding the position should be provided.  CVs of all personnel should be provided.          |
|     |   | All staff members should have at least a master's degree. Members having a Ph.D. will be considered a factor enhancing the staff strength  |   |  |
| 7.  | Access to<br>Qualified<br>Partners                          | The institution should have access to at least 5 qualified partners.   | • | Previous<br>MoUs/Contracts/Partnership details<br>with institutions working on aspects<br>of circular economy                          |
| 8.  | Share of institutions' revenue from CE Projects in the past | The institution should indicate the revenue share from the Circular Economy-related projects in the past three years.  | • | Official documents indicating the different CE projects, the associated revenue and the share in total revenue in the past three years |
| 9.  | Experience in preparation of Knowledge Products             | The institution should demonstrate their capability in preparation of knowledge products   | • | Hard copies of latest 5 Knowledge<br>Products  |
| 10. | Past work with<br>industries<br>(including<br>start-ups)    | The institution should have worked on at least 3 projects involving industries (including start-ups).  | • | Contracts indicating the completion details of projects should be provided   |

Table 6 suggests the scoring/weight that could be assigned to each criterion within the advanced set of criteria.

Table 6: Weights Assigned to Advanced Criteria

| Sr. No. | Advanced Criteria                            | Assigned Score/Weight |
|---------|--|-----------------------|
| 1.      | Existing Infrastructure                      | 15                    |
| 2.      | Experience in Training and Capacity Building | 10                    |
| 3.      | Local/Regional Presence                      | 5                     |
| 4.      | Outreach Capability                          | 10                    |
| 5.      | National and International Experience        | 15                    |
| 6.      | Staff Strength and Qualifications            | 10                    |
| 7.      | Access to Qualified Partners                 | 5                     |

| 8.  | Share of institutions' revenue from CE Projects in the past | 10  |
|-----|---|-----|
| 9.  | Experience in preparation of Knowledge Products             | 10  |
| 10. | Past work with industries (including start-ups)             | 10  |
|     | Total   | 100 |

