



सत्यमेव जयते

Government of India

# MISSION ECO NEXT

Communicating S&T for Regenerative Ecological Futures

Eco Media | Eco Cultures | Eco Design | Eco Innovation

## PREAMBLE

Effective science communication can change ways of community learning, peoples' access to knowledge & resources, and societal paradigms. The science behind protection and management of ecological resources, habitat & ecosystems services or their restoration and rehabilitation is central to our wellbeing and ability to work. It also responds to need for improving ease and quality of living, while also helping to enhance ecosystems services supporting life, health & livelihoods. Today, fresh water ecosystems, forests, and agro-eco-systems are under severe stress. Therefore, there is immense necessity to apply science to decision making, choices of day to day living, and rise up to complex challenges of socio economic and socio-ecological nature.

## FOCUS

The 'eco NEXT' initiatives are driven by S&T Communication skills centered upon transdisciplinary, knowledge critical domains like eco-media, eco-design, eco-innovation & eco-cultures. Primarily, they encourage Youth Eco Talent & Leadership Development. Youth so equipped are expected to act as role models and build the future through a next generation of eco-intelligence, informed choices and decision making. Majorly, the initiatives focus upon promoting youth volunteerism and responsiveness for building regenerative ecological futures. Today, role of media, re-design & innovation is critical in leveraging & furthering these goals. Therefore, leverage by eco media, eco design & eco innovation is intended for sharpening the integrated efforts for conservation & regenerative use of natural resources.

National Coordinator

**Dr. Pamposh Kumar**  
Scientist F/Director,  
E-mail : pamposh@nic.in



Guidelines & format are available under NCSTC section of DST website [www.dst.gov.in](http://www.dst.gov.in), and also on [www.onlinedst.gov.in](http://www.onlinedst.gov.in) where the project proposals are to be submitted.

## MISSION ECO NEXT

### PROJECTS AND ACTIVITIES

Projects & activities are specifically aimed at -

- ◆ Promoting youth eco talents, volunteering, leadership & change making for bringing improvement in ease & quality of life and addressing critical life cycle needs of specific target groups, helping to adopt scientific approaches of 'Being-on-their-Own' and instilling culture of 'Collective Response' to challenges or location specific problems.
- ◆ Developing models in public guidance systems based on science communication, including need specific innovative initiatives for actionable learning and building communities of learning for adopting scientific & best practices

Support is extended in order to -

- Innovate, informalize and spread the messages of science with common man, scientists and future scientists
- Coordinate and support need specific field mobilization programmes for spreading and enhancing the reach and impact of messages
- Aid people to embark upon new modes of action by helping a re-invention of more resourceful & scientific mindset, capacity to think, decide & innovate
- Assessing the needs and evaluating the impact of science communication programmes in the subject areas

The physical & financial progress and technical content is closely monitored. Online submissions of pdf files of Progress Reports and finally the Project Completion Report, also in a hard copy, are required in the prescribed formats. NCSTC and its nominated experts mentor the implementation. On-site reviews/Group Reviews/Evaluations of Final Outcome are invoked with annual, interim/need based & end line periodicity. Satisfactory utilization of funds for the approved purposes, delivery against objectives (original/modified) and compliance to the terms & conditions of grant-in-aid, & release of next instalment of grant are interlinked.



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## Mission eco NEXT

### **S&T Communication for Eco Cultures, Eco Media, Eco Design, Eco Innovation & Eco Solutions**

**Vision:** *Igniting a Next Generation of Eco-Intelligence for Regenerative Ecological Futures*

**Mission:** *To inspire and nurture the Eco Intelligent Youth & Young Change Makers*

**Focus:** Youth Motivation, Development & Leadership Initiatives for Youth Engagement Trainings, Post Training Engagement, Site Specific Communication Resource Creation, and Change Making by Youth are in focus. The goal is to raise a dedicated & skilled cadre of youth equipped through transdisciplinary S&T Communication for Eco Media & Culture, Eco Design, Eco Innovation & Eco Solutions & Practices including alternative or novel farming & forestry practices for regenerative ecological futures through a next generation of eco-intelligence, informed choices and decision making, and also support National Youth Policy, Skilled India & Swachh Bharat missions.

The programme would stress upon initiatives in building real-time understanding of nature & its ecosystems, responsiveness, eco-design & eco-media literacy for promoting integrated efforts. The programme also supports a direct and purposeful communicative paradigm, as Science Media & Eco Creative Youth leadership.

Methodology is desired to be highly interactive and include case studies, critical inputs, presentations, focussed group discussions, science debates, FAQs, hands-on approach, individual & group assignments, Master Classes, presentations & feedback, Questionnaire/ quiz, field notes, plans for post training Field Initiatives, etc.

The criteria for selection of participants for the Trainings should be inclusive of their track of educating & inspiring the people, innovation mindset, scientific temper and positive ecological outlook.

### **:: Initiatives 2019-20::**

‘eco NEXT’ focus for 2019-20 is upon the following initiatives detailed hereafter :

- *Eco Next “Aspire” Challenge*
- *Eco Next ‘Miles’ Challenge*
- *Eco Rise Challenge*
- *Eco Routes*

## Eco Next “Aspire” Challenge in S&T Communication

*Preamble:* Youth of the country are a prime force to build future. They need to be provided strategic knowledge, skills and Scientific Temper based attitudinal support to bring out their eco talents and empowering vision for sustainable development & regenerative future.

*Objective:* The Eco Next “Aspire” Challenge is a call for reaching out to help connect young eco talents — especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talent, with volunteerism and youth empowerment, and science media/eco media, aimed at sustainable development and building regenerative futures. It specifically encourages S&T Communication based & field research driven, needs based, performance oriented, multi modular, multi skilling, Eco Talent & Youth Initiative Development interventions.

*Methodology:* Multi component project initiatives may be adopted from the following work components of the *Core Methodology*, providing scientific substantiation for supporting resources, inclusive of Mandatory Components A—C, and a minimum of three Optional Components from the sequence of components D—H :

	<b>Work Component</b>	<b>Brief Description</b>	<b>Deliverables</b> (To accompany Project Completion Report)
A	BASELINE & END LINE ASSESSMENTS (Mandatory Component)	<i>Communication Needs Assessment</i> of Target groups & stakeholders, based on Core Group of Indicators (CGI) as given at Annex III	Assessment documentation
	<i>Budgetary Limits :</i>	@ 2% of Total Outlay	
B	PERFORMANCE BULLETINS FOR REVIEW (PBR) (Mandatory component)	<i>A/V Media Bulletin files</i> , a minimum of 5 & max 10 files, up to 20 Mb each, for both the occasions i.e. i) Midstream & ii) Endpoint sharing of performance of initiatives	<ul style="list-style-type: none"> <li>• Core inputs/ outputs/ outcomes (a minimum of 2 files, max 4 files)</li> <li>• Youth —Science Engagement Output &amp; Outcomes ( a minimum of 2 files, max 4 files)</li> <li>• Community engagement with S&amp;T messages &amp; consequences (a minimum of 1 file, max 2 files)</li> </ul>
	<i>Budgetary Limits :</i>	@ 15000/—	
C	RESEARCH & FIELD ACTION PREPARATIONS (Mandatory Component)	<i>Pre intervention</i> Research & Ground work, Organizational & field preparations,	Scoping and framing carried out for — <ul style="list-style-type: none"> <li>•Discovery science data collection, eco innovation &amp; eco design ideation by youth</li> <li>•Disseminating scientific findings to external experts</li> <li>•Investigating ecological systems with in societal context</li> </ul>
	<i>Budgetary Limits :</i>	Up to 25,000/—	

D	ECO NEXT CONSULT	Consultation (1-2 days)	Workshops	Documentation of shared outcomes regarding – <ul style="list-style-type: none"> <li>• Technical Assistance and Eco Talent &amp; Youth Initiative Development,</li> <li>• Sharing of Experiences,</li> <li>• Tools and Methodologies of effective handling of S&amp;T Communication</li> <li>• Initiatives for sustainable development under Mission Eco Next, with representations from diverse sections of stakeholders</li> </ul>
	Budgetary Limits:	Up to Rs 75,000/– per event		
E	ECO ASPIRE CAMP PROGRAMME & ECO TALENT HUNT PROGRAMME	Only one component may be selected of these two entry point—promotional campaigns		List of participants, with contact details, and participant wise engagements regarding – <ul style="list-style-type: none"> <li>• Discovery science data collection and eco innovation/eco design ideation by youth</li> <li>• Disseminating scientific findings to external experts</li> <li>• Investigating ecological systems with in societal context and with respect to Sustainable Development Goals</li> <li>• Trans disciplinary &amp; Novel Formats of Interactivity &amp; Communication for prototyping a sustainable &amp; energy efficient future, lifestyles, intelligent cities &amp; societies, etc.</li> </ul>
	<i>Eco Aspire Camps Programme</i>	Non competitive exposure camps for youth of 17–27 years, in a target area, 4–6 month long field programme consisting of 5–10 camps (50–100 participants each), inclusive of 1 month of group internships		
	Budgetary Limits:	Upto Rs. 50,000/– camp; & upto Rs 100,000/ for group internships		
	<i>Eco Talent Hunt Programme</i>	Competitive events with 2–3 tiers of selection for youth up to 27 years, 4–6 months duration, to promote young Eco Talents – especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talents for a minimum of 1000 youth per campaign		
	Budgetary Limits:	Upto Rs 2,50,000/per campaign		
F	ECO LEADS	Youth Motivation, Development & Leadership Initiatives at advanced level to orient and channelize the recognized eco talented youth (Ref. Core Modules at Annex II)		1. List of participants, with contact details, and participant wise contributions regarding – <ul style="list-style-type: none"> <li>• Discovery science data collection and eco innovation/eco design ideation by youth</li> <li>• Disseminating scientific findings to external experts</li> </ul>

		<ul style="list-style-type: none"> <li>• Investigating ecological systems with in societal context and with respect to Sustainable Development Goals</li> <li>• Trans disciplinary &amp; Novel Formats of Interactivity &amp; Communication for prototyping a sustainable &amp; energy efficient future, lifestyles, intelligent cities &amp; societies, etc.</li> </ul> <ol style="list-style-type: none"> <li>2. Learning Resource Enrichment (Compilation as per NCSTC Modules)</li> <li>3. Youth portfolio of Interpretation &amp; Evidence (as per NCSTC Modules)</li> <li>4. PBRs capturing the work of Young Change Makers (10% of participants working as Fellows)</li> </ol>
	<i>Eco Eureka Training</i>	<p>5 Days of Training inclusive of Field Immersion upto Rs 2,50,000/-</p> <p>Site recording tools &amp; digital/ media instruments up to Rs. 75,000/-</p> <p>Resource Development on Eco Media Eco Talent &amp; Youth Initiative Development up to Rs. 50,000/- Monitoring, Evaluation, Review, Documentation up to Rs.50,000/-</p> <p>Support for Post Training assignments to select number of participants ( up to 10%) as Eco Creatives/ Eco Media Associates with a token stipend @ 5000/- pm. (3 months)</p>
	<i>Eco Studio Training</i>	<p>5 Days of Training inclusive of Field Immersion upto Rs 300,000/-</p> <p>Site recording tools &amp; digital/ media instruments up to Rs. 75,000/-</p> <p>© Resource Enrichment based on outcomes for Eco Talent &amp; Youth Initiative Development upto Rs. 75,000/-</p> <p>Monitoring, Evaluation, Review, Documentation up to Rs.50,000/-</p> <p>Support for Post Training assignments to select number of participants ( up to 10%) as Eco Creatives/ Eco Media Associates with a token stipend @ 5000/- pm. (3 months)</p>

	<i>E<sup>3</sup> Training</i>	<p>5 Days of Training inclusive of Field Immersion upto up to Rs 3,50,000/-</p> <p>Hands-on science instruments, training kits &amp; accessories up to Rs. 100,000/-</p> <p>© Resource Enrichment for Eco Talent &amp; Youth Initiative Development based on outcomes (Rs. 75,000/-)</p> <p>Monitoring, Evaluation, Review, Documentation up to Rs.50,000/-</p> <p>A select no. of successful participants (20%) to be supported as Eco Media /Eco Innovation Educators or Young Community Advisors for their Field Initiatives (Post Trainings, Ref Annex) with a token honorarium/ stipend @ Rs. 5,000/- for in service &amp; Rs. 10,000/- p.m. X 6 months for not in service participants, based on evaluation by implementing organization &amp; review/technical vetting by NCSTC.</p>	
G	ECO RISE CAMPAIGNS	<p><i>Series of Field Sensitization</i> showcases/fests/trails/ yatra, etc. for Eco Talents — especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talent, especially in Aspirational Districts.</p>	<p>PBRs: Capturing the scale, size &amp; intensity of field sensitization, District wise, or the works of Young Change Makers i.e. 10% of Eco Leads participants working as Fellows</p>
	Budgetary Limits:	<p>With in Rs 100,000/— per District; Upto Rs. 15,000/- per event X 2 events when led by Eco Leads Participants as part of post training assignments</p>	
H	ECO NEXT SCHOOLS/ INSTITUTIONS	<p><i>Institutional contributions</i> to Next Generation of Eco Talents— especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talent, represented by the promising results for the school or institution as yielded by Core Camps Programme or Eco Talent Hunts, and Lead Teachers/Eco Next Associates rising up and nurturing young change makers</p>	<ul style="list-style-type: none"> <li>- Must have at least 2 teachers oriented as Eco Next Associates through their participation in E3 Labs/Eco Eureka/Studio Eco Next Trainings.</li> <li>— Eco Next Associate must have nurtured &amp; coached at least 2 Young Change Makers</li> <li>- Young Change Makers must have helped create Eco solutions in the school or linked communities to be counted as Change in the making</li> <li>- The School should aspire to be an Eco Smart School and demonstrate at least 5 Eco</li> </ul>

			<p>solutions to be counted on the path to become Eco Smart School</p> <p>- Overall, the Next Generation of Eco Intelligence should be represented by the promising results for the school as yielded by Core Camps Programme or Eco Talent Hunt, and Lead Teachers/Eco Next Associates rising up and nurturing young change makers.</p>
	Budgetary Limits:	Upto Rs 2,00,000/per institution	

**Other Project Support Items:**

- Travel @ Rs. 50,000/ p.a.
- Contingency @ Rs. 50,000/ p.a.
- Project Coordinator/co coordinator upto Rs 30,000/ pm (9 months) or Resource Persons honorarium @ 1500/— per head per day X 180 person days
- Field Helper @ Rs 15000/— (9 months) or volunteers honorarium @ 500/— per head per day X 270 person days
- Overheads @ 10%

*Important: The proposed approach for implementing above core methodology must relate it to ground level reality check, basic needs of the target area and population, and resources required/available for the proposed intervention.*

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## Eco NEXT 'Miles Challenge' in S&T Communication

### AIM

Effective & far reaching S&T Communication can help address barriers created by inaccessibility, disruption, stress and vulnerability. The skills can be harnessed under a challenging context to alter not only behaviour but also the capacity to support community rehabilitation, ecologically balanced development & lifestyle choices. The growth of Eco Next Initiatives of NCSTC has witnessed diverse, transdisciplinary, transformatory options emerging in these directions.

The communities affected by natural disasters or man made ecological crises, can show a path to resilience by nurturing and adopting the eco-talents of young change makers & difference makers. These Change Makers would communicate & promote eco-resilience thereby triggering far reaching resurgence & transformations.

### GOALS

Fostering and Re-shaping Eco-cultural Talents & Productive Eco Talents, especially for -

- Eco Torch bearers
- Young Eco Life Coaches providing Science based eco-restorative life coach & communication service
- Youth SHG as Eco-social enterprises
- Social Innovation
- Dialogue and Hand-holding for Eco-social support & Innovation
- Social Capital & Productive Eco Intelligence
- Communities of Eco Cultural Learning

### APPROACH & ACTIVITIES

The initiative aims to demonstrate that reaching out, across and deeper is possible by crisis hot spot approach reinforced by eco-cultural, eco-health and eco-rehab centric science communication. Risk science communication and rehab science communication for Fragile Eco Systems & Challenged Communities are the core content areas in this endeavour. The challenged ecosystems and communities, the target of this initiative, can benefit from resulting eco-restoration and rehabilitation.

**The extra miles necessary for the cause, are the Eco Next Miles, which normally one would not normally travel to reach the unreachable and to meet the challenges of S&T based communicative action for challenged ecosystems/ communities.**

These Miles of Action would need to be travelled in unearthing and nurturing eco talents, ecological rehabilitation, and building communities of learning.

The outcome measures of these Miles would be the extent of severity of challenges & ecological gaps intended to be addressed through eco-science communication in terms of - *access, criticality, nature, scale & size of crises & challenges, and achievement goals in terms of numbers & kinds of young talents & Torchbearers or expected Community based Learning to meet the future, but not limited to these!*

Communicative Action		Eco Next Miles
Reaching out to :	Crises Hot Spots	Magnitude of inaccessibility/ complexity of the location Nature, scale & size of the crises & ecological issues to be addressed
Reaching out to:	Challenged Communities	Criticality of the challenges & ecological gaps identified to be addressed through Next generation ecological talents
Reaching across:	Community Based Learning	Goals in Community Based Learning
Reaching deeper:	Unearthing & Nurturing Young Eco Talent	Targeted numbers and kind of Young Eco Talents Targetted numbers and desired roles of Young Torchbearers

The project activities are suggested to be a flow of science communication initiatives & events as follows:



#### HOW TO APPLY:

- For submitting multi-component proposals as mentioned above the Project Proposers may refer to details of Training modules and budgeting at **Annex II**. *The Eco Next Camps may be designed specific to locations.*
- NCSTC Guidelines and format of proposal writing given at <http://www.dst.gov.in/scientific-programmes/st-and-socio-economic-development/national-council-science-technology-communication-ncstc>
- Submission are online on [www.onlinedst.gov.in](http://www.onlinedst.gov.in) as per submission cycles announced on DST website

## *Eco Rise Challenge* in S&T Communication

### AIM

Effective & purposeful S&T Communication can yield benefits which are transformatory & rooted in productive outcomes. The skills can be harnessed under a challenging context to alter not only behaviour but also the capacity to support community development & lifestyle choices linked to livelihoods, vocations & enterprise. The growth of Eco Next Initiatives of NCSTC has witnessed diverse and transdisciplinary options emerging in these directions.

The initiative aims to demonstrate that any region less endowed in terms of development, natural resource management, vulnerabilities of education, health, livelihood & enterprise, especially the SC/ST population predominant regions, but having strong Eco-cultural assets can rise by gaining assets like human resources especially in form of Young Change Makers who are groomed with S&T Communication skills. These Change Makers would communicate & promote and add assets in turn to the region based on Eco-solutions like Eco Innovation & Design Mind-set, Practices and lifestyle choices especially Eco-enterprises & Eco-Vocations. This should signify the rise of regions' endowments through sustainable use of Eco resources, thereby triggering far reaching resurgence & transformations.

### PRIORITY AREAS FOR INTERVENTION

A selection of priority districts based on literacy rate, predominance of less endowed/developed locations &/or eco-sensitive regions, scarce resources for livelihood & agriculture, etc. is given at Annex I. The areas of intervention in the Less Endowed Regions (LERs) in such districts can be proposed along with strong rationale for proposed target area including other indicators of development, even beyond the criteria mentioned above. Single District Initiatives as well as Regional Initiatives (2 or more Districts) shall be supported.

### ECO RISE GOALS

The *Eco Rise Goals* have been identified to yield returns in terms of numbers of youth sensitized, young change makers nurtured and eco-solutions propagated. It is hoped to reach LERs in up to 20 districts during 1<sup>st</sup> year, up to 40 districts during 2<sup>nd</sup> year and up to 60 districts during the 3<sup>rd</sup> year of the Eco Rise Challenge. These goals are further quantified as targets for 3 years as follows:

- I) To reach ~ 25 lakhs students from LERs in 60 districts through **Eco Next Talent Hunts** as detailed in Mission Eco Next Programme brochure on DST website
- II) Promoting 2500 Young Change makers in LERs in 36 states/UTs through S&T Communication based trainings - **Eco Eureka, Eco Next Studio & E<sup>3</sup> Labs Eco Next** & post-training engagements (**Annex II**) to *select numbers of trainees working in groups with 3-4 nos of participants who have successfully completed the trainings (but are not selected for stipend supported assignments, but each can also be offered one time honorarium Rs. 5000/-).*
- III) Promoting the endowment of 2000 kinds of **Eco Solutions** to Eco Innovation & Design and Eco -prise/Eco Vocational Challenges in LERs in 60 districts in first 3 years through

post-training engagements of S&T Communication trainees (demonstrations & practices) and community ownership for sustained adoption.

**IV) Eco Next “Consult”/Eco Next “Connect”:** Round Table Consultation Workshops (1-2 days): *Technical Assistance and Capacity Building, Sharing Experiences, Tools and Methodologies of effective handling of Eco Rise Challenges*

Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups -

- Needs assessment
- Planning and design
- Implementation
- Monitoring and evaluation
- Social Innovation
- Dialogue and Hand-holding for Eco-social support & Innovation

**Suggested Stakeholders:** Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sector collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership.

**HOW TO APPLY:**

- The multi-component proposals are invited for the Eco Rise Goals mentioned above, in addition to regular details per guidelines and format, should also have ***Project Benefit & Delivery Statements*** under the proposed objectives and methodology giving quantified levels of the challenge undertaken versus the districts selected (ref I-III above, & List of Districts at Annex I), clearly described in terms of the following,
  - a. *the number of youth to be sensitized through Eco Next Talent Hunt*
  - b. *young change makers to be nurtured through trainings*
  - c. *number & kind of eco-solutions/eco-enterprises/eco-vocations to be propagated through science & technology communication*
  - d. *the rationale behind the targets proposed*
  - e. *know-how and do-how to achieve the targets*
- **Proposals are specifically invited from State S&T Councils, focussing on Aspirational Districts declared by Govt of India and indicated with asterisk (\*) mark at ANNEX - I.**
- Project Proposers may refer to NCSTC Guidelines and format of proposal writing given at <http://www.dst.gov.in/scientific-programmes/st-and-socio-economic-development/national-council-science-technology-communication-ncstc>
- Submission are as per submission cycles announced on DST website and online only on [www.onlinedst.gov.in](http://www.onlinedst.gov.in)

## Eco Routes

'Eco Routes' are to be Multi-locational clusters of **sub-regional initiatives** aimed at spurring pilot sub-regional missions, for **less endowed or under stress**, yet eco-culturally rich hotspots, which would be developed by following means:

I **'Eco NEXT Talent Hunts' & 'Eco Media Fests'**, have been conceptualized to leverage the Eco NEXT messages with youth exuberance and potential as multi-locational sub-regional initiatives. There shall be competitive events in the categories, i) Discovery Science & Eco Exploration, ii) Eco creativity, Eco-Design & Eco Media, and iii) Eco-innovation.

The activities should be designed for Rural & Urban Youth in clusters of 5-10 Districts, to select & promote promising Young Change Makers who can be further shortlisted for Capacity Development Modules or would develop Eco Talent Networks, with in Rs. 25 Lakhs, and can be inclusive of appropriate number of Capacity Development Modules as detailed in Annex II. The events may culminate as showcases/fests for Eco Media.

II **Eco Next Schools**, may be identified and recognized so, with NCSTC approval, as part of the project initiatives as those schools/academic institutions who

- Must have at least 2 teachers oriented as Eco Next Associates through their participation in E3 Labs/Eco Eureka/Studio Eco Next Trainings or Eco Next Camps
- Eco Next Associate must have nurtured & coached at least 2 Young Change Makers
- Young Change Makers must have helped create Eco solutions in the school or linked communities to be counted as Change in the making
- The School should aspire to be an Eco Smart School and demonstrate at least 5 Eco solutions to be counted on the path to become Eco Smart School
- Overall, the *Next Generation of Eco Intelligence* should be represented by the promising results for the school as yielded by Eco Talent Hunt, and Lead Teachers/Eco Next Associates rising up and nurturing young change makers

III **Eco Next "Consult"/Eco Next "Connect"**: Also an NCSTC coordinated activity, these Consultation Workshops (1-2 days) are meant for *Technical Assistance and Capacity Building, Sharing Experiences, Tools and Methodologies of effective handling of Eco Next Initiatives*. Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups - Needs assessment, Planning and design, Implementation, Monitoring and evaluation, Social Innovation, and Dialogue and Hand-holding for Eco-social support & Innovation

*Suggested Stakeholders:* Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sector collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership.

IV **Eco NEXT Media Labs**, has a trail & road map dotted with **representative** ecological hotspots which are **less endowed or under stress**, yet eco-culturally rich. Starting with a Brainstorming over Jaisamand ecosystems near Udaipur, followed by an Eco Media Master Lab at Jaipur, Eco Media Lab travelled to Amarkantak, the origin of Narmada, then Mhow, the birthplace of Dr BR Ambedkar and aims to go on exploring the potential for youth

aspirations in eco-cultural & media domains. Such Labs are organized under NCSTC coordination for orientation of promising young change makers, especially from science & media, not in project support mode, in regional collaboration with institutions hosting the Technical Advisory Committee meetings. An indicative map is ever evolving for future eco-travels with youth.

**HOW TO APPLY:**

Proposals for activities at I, II & III above may be submitted online on [www.onlinedst.gov.in](http://www.onlinedst.gov.in) as per submission cycles announced on DST website

STATES/UTs	ECO RISE CHALLENGE DISTRICTS
Andhra Pradesh	Anantapur, Karimnagar, Kurnool, Nalgonda, Prakasam, Srikakulam, Vizianagaram*
Bihar	Araria*, Banka*, Begusarai*, Bhagalpur, Darbhanga, East Champaran, Gaya*, Jamui*, Kaimur, Katihar*, Khagaria*, Kishanganj, Madhepura, Madhubani, Muzaffarpur*, Nalanda, Nawada*, Purnia*, Saharsa, Samastipur, Saran, Sheikhpura*, Sheohar, Sitamarhi*, Supal, West Champaran
Chhattisgarh	Bastar*, Balod, Balrampur-Ramanujan district, Bemetara, Bijapur*, Dakshin Bastar (Dantewada*), Kabirdham, Kondagaon*, Mungeli, Narayanpur*, Sarguja, Sukma*
Gujarat	Banaskantha, Dahod, Dang Devbhoomi Dwarka, Kutch, Panchmahal/Mahisagar, Patan
Haryana	Charkhi Dadri, Mahendragarh, Mewat*/ Nuh, Panchkula
Jharkhand	Chatra*, Deoghar, Dumka*, Garhwa*, Girdih*, Godda*, Jamtara, Khunti*, Latehar*, Pakur*, Palamu*, Sahibganj*, West Singhbhum
Karnataka	Chamrajnagar, Kalaburgi (Gulbarga), Kodagud, Mandya, Raichur*, Shimoga, Vijayapura (Bijapur), Yadgir*
Kerala	Kottayam, Alappuzha, Palghat, Wayanad*
Madhya Pradesh	Agar Malwa, Alirajpur, Barwani*, Burhanpur, Chhatarpur*, Dhar, Dindori, Guna*, Jhabua, Khargone, Mandla, Panna, Rajgarh, Sheopur, Shivpuri, Sidhi, Singrauli*, Tikamgarh, West Nimar,
Maharashtra	Aurangabad, Gadchiroli*, Jalna, Nandurbar*, Osmanabad*, Parbhani, Sangli, Yavatmal
Odisha	Balasore, Balangir*, Bhadrak, Gajapati*, Kalahandi*, Koraput*, Malkangiri*, Mayurbhanj, Nabarangpur, Nuapada, Rayagada*
Punjab	Amritsar (Harike), Bhatinda, Muktsar Sahib, Mansa
Rajasthan	Banswara, Baran*, Bhilwara, Bundi, Chittaurgarh, Dungarpur, Jaisalmer*, Jalor, Jhalawar, Nagaur, Pratapgarh, Tonk
Tamil Nadu	Dindigul, Madurai, Rameshwaram, Salem, Thirunelveli, Tirupur
Telangana	Adilabad*, Khammam*, Mahbubnagar, Medak, Nizamabad
Uttar Pradesh	Bahraich*, Balrampur*, Banda, Barabanki, Bareilly, Budaun, Chitrakoot*, Farrukhabad, Fatehpur*, Gonda, Hardoi, Jyotiba Phule Nagar, Kasganj*/Kanshi Ram Nagar, Kaushambi, Kheri- Lakhimpur, Lalitpur, Maharajganj, Mahoba, Moradabad, Pilibhit, Rampur,

West Bengal	Shahjahanpur, Shamli, Shrawasti*, Siddharthnagar*, Sitapur, Sonbhadra Bankura, Birbhum*, Dakshin Dinajpur, Malda*, Murshidabad*, Puruliya, Uttar Dinajpur
<b>NORTH EASTERN &amp; MOUNTAINOUS STATES</b>	
Arunachal Pradesh	Anjaw, Changlang, Changlang, Dibang Valley, East Kameng, Kurung Kumey, Lower Subansiri /Ziro, Tawang, Tirap, Upper Siang, Upper Subansiri
Assam	Baksa*, Barpeta*, Bongaigaon, Chirang, Darrang*, Dhemaji, Dibrugarh*(Maujili), Dhubri*, Hailakandi*, Morigaon, Odalguri*, Silchar
Himachal Pradesh	Chamba Kinnaur, Lahaul and Spiti, Sirmour, Udaipur
Jammu and Kashmir	Annatnag, Badgam, Bandipora, Doda, Ganderbal, Kishtwar, Kulgam, Kupwara*, Leh, Ramban, Reasi, Shupiyan, Udhampur
Manipur	Senapati
Meghalaya	East Khasi Hills, Jaintia Hills, Garo Hills
Mizoram	Aizawl
Nagaland	Dimapur, Mon
Sikkim	East Sikkim
Tripura	Dhalai*
Uttarakhand	Haridwar*, Pauri Garhwal, Pithoragarh, T Garhwal, US Nagar
UNION TERRITORIES	North and Middle Andaman, Dadra and Nagar Haveli, Daman and Diu, Lakshadweep, Nicobar, Puducherry, South Andaman, South Goa

*(\*) Proposals are specifically invited from State S&T Councils, focussing on Aspirational Districts declared by Govt of India and indicated with asterisk mark.*



## TRAINING MODULES :Eco Leads

### Studio Eco Next, Eco Eureka & E<sup>3</sup> Lab

Studios Eco Next & Eco Eureka training workshops, and *Training of Trainers through E<sup>3</sup> Labs*, adhering to modules & details given at Annex II, would continued to be supported in project mode as Youth Motivation, Development & Leadership Initiatives aiming at regional/eco-regional resource creation & short term orientation of promising young change makers, especially from science & media for serving diverse priority categories of target groups like Media & Theatre students, Tribal population, Youth (Students/ NSS volunteers, village youth), and/or for themes suitable to different eco-regions.

Central Themes of the Youth Motivation, Development & Leadership Initiatives, and up to a min. of 2 Nos of respective **Post training Field Initiatives** need to be from the following categories -

- |  |  |
|--|--|
| <i>Swachham Sarvada :</i>                    | Science Communication for adoption of schools, rural/urban areas for triggering and sustaining best practices in Eco-sanitation & Innovation. <i>Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) per field initiative.</i>  |
| <i>Haritam Sarvada:</i>                      | Science Communication for adoption of schools, areas under ecological stress, promotion of eco-innovative practices for ever green farming & horticulture, social forestry, aquaculture, etc. <i>Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) per field initiative.</i>  |
| <i>Water Eco Health Clinics:</i>             | Design, Development and supervision of Community Science Media & Communication Systems by youth for water ecosystems health & eco innovation. <i>Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) for one module</i>   |
| <i>Eco Design &amp; Eco Digital Clinics:</i> | Design, Development and supervision of Eco Design Communication Systems by trained youth for Community Science Media & Literacy by youth and eco-interpretation/eco consultations for eco-design, eco digital & eco-innovation skills. <i>Resources: @ Rs. 50,000/- per year (IEC resources, activities, etc.) for one module</i>  |
| <i>Eco Smart Schools:</i>                    | <p>Design, development and supervision of School Science Media &amp; Communication System by youth, and it</p> <ul style="list-style-type: none"> <li>- may be part of the local school system as a modular component with special additional focus, curricular or extracurricular, or both, on the concerned themes &amp; should represent diversity and engagement with Ecological issues as an explicit purpose.</li> <li>- should involve hands on learning, that is inquiry and outcome based, and science communication as alternative mode &amp; unique approach to learning</li> <li>- should provide an environment or experience that would attract students and communities from other school zones also, especially from challenged locations</li> <li>- should help institutionalize and mainstream actionable <i>Eco</i> learning with neighbouring communities (through festivals, events, weekly markets, adoption of sites/action locations, etc.)</li> <li>- should be able to encourage Eco Innovation Educators from teachers and stakeholders across the boundaries</li> <li>- networking &amp; handholding should be the key deliverables</li> <li>- <i>Learning Resources: @ Rs. 50,000/- per year for one module per school for IEC resources, activities, etc.</i></li> </ul> |

## “Studio eco NEXT”

- Youth Eco Media, Arts, Culture & Interpretations Trainings

Project duration 6 month to 1 yrs for a series of Trainings inclusive of post Trainings assignments, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 20 Lakhs.

(a) 5 days inclusive of 1 day of Experiential Outdoor, for Site Specific Hands-on Studio Trainings for Science Communication Products/ Resource Creation, up to 20 trainees per batch up to @ Rs. 3,00,000/- per batch	(b) Site recording tools & digital/ media instruments up to Rs. 75,000/-	© Resource Development on Eco Media Capacity Building up to Rs. 75,000/-	(d) Monitoring, Evaluation, Review, Documentation up to Rs.50,000/	(e) Travel & Contingency up to Rs. 50,000/	(f) Support for Post Training assignments to select number of participants ( up to 10%) as Eco Creatives/ Eco Media Associates with a token stipend @ 5000/- pm. (3 months) based on evaluation by implementing organization & review/ technical vetting by NCSTC
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### Methodology, Work Plan & Core Content Modules

Methodology & Work Plan should follow a Youth centric, eco-regional/ eco-habitat & heritage, culture & science based approach to understand & interpret ecological issues for promoting communities engagement, community leadership & professional development of youth. Competence may be promoted in Interpretive Science Communication, Natural Heritage Science Communication & eco-creations. Proposals should provide **focussed methodology & work plan** giving criteria for selection of participants, feedback & impact assessment, and day- wise details of sessions/activities linked with respective resources/resource persons on the following core modules :

Module #1	Module #2	Module #3	Module #4	Module #5	Module #6
<b>Assessment:</b> Eco-sight & outlook, reasoning, aptitude and attitudes of the trainees, aptitude for print, electronic & ICT including technology like GIS & GPS, mixed media, new media, etc.	<b>Orientation with basic eco-concepts:</b>  Eco-systems & Sustainability, Climate Change, Biodiversity, Natural/ renewable resources, Spatial & Temporal	<b>Site recording, design &amp; development of science communication/eco-media products:</b> Surveys, ecological landscapes & profiles, eco-interpretation,	<b>Field Eco Lab/Trails in Eco cultural &amp; Eco media Interpretation</b>	<b>Learning Resource Enrichment</b> (based on outcomes in Eco Media, Arts & Cultural Capacity Building)	<b>“Youth Portfolio”</b> by participants as per NCSTC framework (Annex V).

Attributes of eco sources, Health of ecosystems, Eco-degradation & restoration, Eco-Innovation & Technologies especially with Eco Digital Skills, Eco-performance, Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties (Annex IV)

narrative & artistic creations, documentation, photo/videography, mapping, GPS assisted mapping, eco digital skills, etc.

## *“Eco Eureka”*

- Youth Engagement trainings for *Nature, Labs & Youth Connections for Eco-innovation & community leadership*

Project duration 6 month to 1 yrs, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 20 Lakhs.

(a) 5 days of Youth Engagement for *Nature, Labs & Youth Connections for Eco-innovation & community leadership* including experiential camping of 1 day, upto 25 trainees per batch, upto Rs. 2.5 lakh per Training

(b) Hands-on-science instruments & accessories upto Rs. 75,000/-

(c) Resource Enrichment based on outcomes for Capacity Building (Rs. 50,000/-)

(d) Monitoring, Evaluation, Review, Documentation upto Rs.50,000/-

(e) Travel & Contingency upto Rs. 50,000/-

(f) Post Training assignments, may be supported to select number of participants (upto 10%) as *Eco Eureka Fellows*, with a token stipend @ 5000/- pm. (3 months) based on evaluation by implementing organization & review/technical vetting by NCSTC

## Methodology, Work Plan & Core Content Modules

Methodology & Work plan should address- Exposure, eco-interpretation & experiential action learning module for Nature- lab- Youth connections for Eco -innovation & community leadership. Proposals should provide **focussed methodology & work plan** giving criteria for selection of participants, feedback & impact assessment, and day- wise details of sessions/activities linked with respective resources/resource persons on the following core modules (but not limited to the same):

<i>Module #1</i>	<i>Module #2</i>	<i>Module #3</i>	<i>Module #4</i>	<i>Module #5</i>	<i>Module #6</i>
<p><b>Assessment:</b> Eco-sight &amp; outlook, reasoning, aptitude and attitudes of the trainees</p> <p>Ecological Values &amp; Charter for Young Change makers on Scientific Temper &amp; Ecological duties (Annex IV)</p>	<p><b>Orientation with basic eco-concepts:</b></p> <ul style="list-style-type: none"> <li>• Nature, Labs &amp; Youth Connections</li> <li>• Science, nature conservation and Eco restoration</li> <li>• Nature base solutions, co-creation &amp; eco-innovation</li> <li>• Eco-habitat, Eco-sanitation, WaSH, &amp; Renewable Resources for sustainable futures</li> </ul>	<p><b>Eco Exploration for Evidence:</b></p> <p>Photo/ video documentation of evidence, mapping, GPS assisted mapping, ecological landscapes &amp; profiles, eco digital skills, eco-interpretation etc. Documentation, Communication, Education &amp; public awareness, Impact &amp; Outcome mapping.</p>	<p><b>Eco Exploration for Evidence:</b></p> <p>Hands-on, Lab &amp; outdoor assignments</p> <p>Field Eco Lab/Exploratory Trails in Eco cultural Interpretation</p>	<p><b>Learning Resource Enrichment</b> for Capacity Building</p>	<p><b>“Youth Portfolio”</b> by participants as per NCSTC framework (Annex V).</p>

## “E<sup>3</sup> Labs”

- *Training of Trainers in Eco Media, Eco Design & Eco Innovation centric science Communication: ‘Hands-on-Science Training of Young Educators through engagement with evidence based S&T Media, Design, Digital & Innovation Media, especially for Trainers like Eco Media Educators, Eco Creatives, Eco Educators, & also the Young Change Makers & exchange of eco-learning, by means of igniting youth leadership and organizational capacity building.*

Project duration 6 month to 1 yrs for a series of trainings, with budget components given below (a)-(f) in addition to budget heads as per DST norms like Project Staff, Overheads, etc., overall with in Rs. 25 Lakhs.

(a) 5 Days of motivation, skill & competence building, up to 20 participants per batch, up to Rs. 3.50 Lakh per batch	(b) Hands-on-science instruments, training kits & accessories up to Rs. 100,000/-	© Resource Enrichment for Capacity Building based on outcomes (Rs. 75,000/-)	(d) Monitoring, Evaluation, Review, Documentation up to Rs.50,000/	(e) Travel & Contingency up to Rs. 50,000/	(f) A select no. of successful participants (20%) to be supported as <b>Eco Media /Eco Innovation Educators or Young Community Advisors</b> for their Field Initiatives (Post Trainings, with a token honorarium/stipend @ Rs. 5,000/- for in-service &Rs. 10,000/- p.m. X 6 months for not in service participants, based on evaluation by implementing organization & review/technical vetting by NCSTC.
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### Methodology, Work Plan & Core Content Modules

Methodology & Work plan should address youth engagement with evidence based S&T Media for Eco Innovation & Performance for exchange of eco-learning, by means of igniting youth leadership and organizational capacity building. Proposals should provide focussed methodology & work plan giving criteria for selection of participants, feedback & impact assessment, and day to day schedule of youth motivation & leadership development activities linked with respective resource persons may be proposed based on the NCSTC core curriculum given below. Criteria for selection of participants should be inclusive of their continuing track of empowering, educating & inspiring the people, innovation mindset, scientific temper and positive ecological outlook.

Core competencies: Communication, Working with People, Drive for Results	<b>1<sup>st</sup> Day</b>	<b>Pre Lunch Session # 1 Tutorials &amp; Quiz</b>	<b>Pre- Lunch Session # 2 Interactive Talks &amp; Quiz</b>	<b>Lunch Hours: Handouts</b>	<b>Post Lunch Sessions # 3 &amp; 4</b>
	Multidisciplinary nature of Eco & Sustainability Science Communication (concepts, practices & resource agencies)	<b>COMMUNITY LEARNING &amp; PRACTICES:</b>	<ul style="list-style-type: none"> <li>• Ecological Values &amp; Charter for Young Change makers on Scientific Temper &amp; Ecological duties (Annex IV)</li> <li>• Role of policy in shaping the Eco landscapes and raising ecological performance</li> <li>• Priority humanitarian needs versus sustaining Eco Systems Services</li> </ul>	Questionnaire / quiz for submission next day	<b>(A) EXPERIENTIAL LEARNING/ ECO-EXPLORATORIES WITH ACTIVITIES LIKE</b> <ul style="list-style-type: none"> <li>• Scenario building, participatory mapping, eco-scaping, Eco cultural &amp; Eco Media Interpretation etc.</li> </ul>

Functional & Experiential Competency

2<sup>nd/3rd</sup> Day

Recap of prev day quest/quiz  
**EXPOSURE & FIELD IMMERSION**

- 1) Visits to ecological hotspots
- 2) Identification of entities working in the *Eco & Innovation* sphere & networking
- 3) Developing *eco-innovation, design, eco digital & media leads* for livelihood options, mitigation & adaptation to ecological risks, etc.
- 3) Interaction with media

**COMMUNITY LEARNING & PRACTICES:**

- Ecological Values & Charter for Young Change makers on Scientific Temper & Ecological duties
- Role of policy in shaping the Eco landscapes and raising ecological performance
- Priority humanitarian needs versus sustaining Eco Systems Services

Field Note for submission next day

- Eco-innovation – concepts, designs, prototypes/demo models, field experiments, etc.
- Games & role play, design/calculation workouts, eco-media lead generation & communication
- Reflecting on every day learnings, opinion leadership, sharing, co-travelling, counselling, advising, consulting, educating, etc.

Technical & Functional Competency

2<sup>nd/3rd</sup> Day

Recap of prev day questionnaire/ quiz  
**ECO-SYSTEMS&REGIONAL ECOLOGIES**

- Eco-systems, Eco-Regions & Biodiversity, global warming, etc.
- Ecological Risk Assessments, audit & budgeting, Eco-systems services

**ISSUES OF LOCAL IMPORTANCE**

- basic knowledge
- problems, management, technology, best practices & innovation options
- role of eco-media and other outreach methodologies in promoting eco-innovation & best practices

Questionnaire /quiz for submission next day

**(B) MASTER CLASSES (2-3 Nos)** by scientist/technologist/agriculturist/ persons of excellence in the area, etc.

**ECO RISK PREPAREDNESS** (acute, post-acute, protracted, chronic crises)

Technical & Functional Competency

4<sup>th</sup> Day

Recap of prev day questionnaire/ quiz  
**TOOLS, TECHNIQUES AND ECO-INNOVATIONS**

Case studies, quality- risk understanding, assessment & reduction: Water, Land and Forest Ecosystems, atmospheric environment, etc.

**ISSUES OF LOCAL IMPORTANCE:**

- potential innovative solutions for Ecological challenges at the household, community and eco-regional level

Questionnaire /quiz for submission next day

**Consolidation & planning for future**

5<sup>th</sup> Day

*Recap of prev day  
questionnaire/ quiz*

**EXPOSURE & FIELD  
IMMERSION**

- 1) Visits to ecological hotspots
- 2) Identification of entities working in the *Eco & Innovation* sphere & networking
- 3) Developing *eco-innovation leads for livelihood options, mitigation & adaptation to ecological risks, etc. & compilation of self-learning resources*
- 3) Interaction with media
- 4) “Youth Portfolio” of the participant (Annex V)

Field Eco Lab/ Trails in Eco  
cultural & Eco Media  
Interpretation

*Proposed plans  
for Field  
Initiatives*

## EXPLANATORY NOTES & DETAILED SPECIFICATIONS FOR THE WORK COMPONENTS:

**Eco Next “Consult”:** *Consultation Workshops* (1-2 days) are meant for Technical Assistance and Eco Talent & Youth Initiative Development, Sharing Experiences, Tools and Methodologies of effective handling of Eco Next Initiatives. Representations from diverse sections of stakeholders shall share Experiences, Tools and Methodologies and synthesize innovative world views, while synergizing capacities and experiences especially under the following critical domains of field action and capacity of action groups - Needs assessment, Planning and design, Implementation, Monitoring and evaluation, Social Innovation, and Dialogue and Hand-holding for Eco-social support & Innovation

Suggested Stakeholders: Media, CSR, Banking/Investment/Venture Capital Managers, Not for Profit organizations, Educational and Technical Institutions, District Administration, PRIs, Influencers/Eco Next Persons, etc. chosen based on their experience in fostering cross-sectoral collaborations, and developing common languages and approaches for addressing complex community issues along with development of youth leadership. Ideas and concepts only, not proposals, are invited for expanding this initiative & developing the route map further.

**Eco Aspire Camps :** *Non competitive* exposure camps for youth volunteers aspiring to stand up, help building a sustainable society, and also contribute with respect to Sustainable Development Goals (*Can also be proposed under “Eco Next Miles” Challenge, in place of Eco Next Camps*)

Volunteering prog of 4–6 months duration offering

- a) 5–10 Nos of Exposure Camps for triggering ecological outlook & eco sight & values, do it yourself/hands on science spirit, Eco Talent Expressions & Media Creativity through promotion of creative, cultural and interactive articulation & communication of science. The participants should have opportunity and exposure for open discussions, self learning through close interactions with creative articulation of eco-science and sustainability sciences, and eco media/sci media/ documentaries (1 day each, a minimum of 100 participant volunteers, 17–27 years, @ 50,000/–camp)
- b) 1 month of group internship (10–20 volunteers per group, @ 10000 honorarium per group for up to 10 groups) as opportunity to develop real world skills and experiences in sustainability concerns and being on path to emerge as young change makers.
- c) The follow up activities should be designed for Rural & Urban Youth/school/college students to select & promote promising Young Change Makers who can be further shortlisted for Youth Motivation & Development Modules or would develop Eco Talent Networks, and can be inclusive of appropriate number of Youth Motivation & Development Modules as detailed in Annexes. Those events may also culminate with *Eco Rise Campaigns* ( showcases/fests/trails/yatras, etc.)

**Eco Talent Hunts:** These *competitive* events & campaigns in developing the Eco NEXT messages with youth exuberance and potential as multi-locational sub-regional initiatives, should be events of 4–6 months duration, with 2–3 tiers of selection in the categories, i) Eco Exploration & Eco Digital skills, ii) Eco creativity, Eco-Design & Eco Media, and iii) Eco-innovation, to promote young Eco Talent — especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talent, at a



recognized level, engaging a minimum of 1000 students/youth (up to 27 years of age) per campaign. The follow up activities should be designed for Rural & Urban Youth/school/college students to select & promote promising Young Change Makers who can be further shortlisted for Youth Motivation & Development Modules or would develop Eco Talent Networks, and can be inclusive of appropriate number of Youth Motivation & Development Modules as detailed in Annexes. The events may also culminate with *Eco Rise Campaigns* ( showcases/fests/trails/yatras, etc.) elaborated below.

**Eco Leads:** *Youth Motivation & Leadership* initiatives are undertaken for youth motivation, eco talent development & creative science communication/science media —eco media skills for leadership & change making in the face of ecological challenges. They comprise of entry point trainings — Studios Eco Next & Eco Eureka training workshops, and Training of Trainers — E<sup>3</sup> Labs, adhering to modules & details given at **Annex II**, would continue to be supported in project mode aiming at regional/eco-regional resource creation & short term orientation of promising young change makers, especially from science & media for serving diverse priority categories of target groups like Media & Theatre students, Tribal population, Youth (Students/ NSS volunteers, village youth), and/or for themes suitable to different eco-regions.

**Eco Rise Campaigns:** Such a *field sensitization* series would comprise of showcases/fests/trails/yatras, etc. to promote & propagate young Eco Talent — especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talent, especially in Aspirational Districts with in Rs. 50,000/— per district. (When led by *Eco Leads Participants*, as part of post training assignments, they would be appropriately structured, themed and budgeted with in Rs. 15,000/- per event.)

#### **Eco Next Schools/Institutions:**

They would represent *institutional contributions* to promote the next generation of Eco Talents — especially Eco Digital, Eco Design, Eco Innovation, or Eco enterprise Talent, by the promising results for the school or institution as yielded by Eco Aspire Camps Programme or Eco Talent Hunts, and Lead Teachers/Eco Next Associates rising up and nurturing young change makers. Eco Next Schools or Institutions may be developed @ 2.5 Lakh, and recognized so, with NCSTC approval, as part of the project initiative, as those schools/academic institutions who

- Must have at least 2 teachers oriented as Eco Next Associates through their participation in E3 Labs/Eco Eureka/Studio Eco Next Trainings. Eco Next Associate must have nurtured & coached at least 2 Young Change Makers
- Young Change Makers must have helped create Eco solutions in the school or linked communities to be counted as Change in the making
- The School should aspire to be an Eco Smart School and demonstrate at least 5 Eco solutions to be counted on the path to become Eco Smart School
- Overall, the Next Generation of Eco Intelligence should be represented by the promising results for the school as yielded by Eco Aspire Camps Programme or Eco Talent Hunt, and Lead Teachers/Eco Next Associates rising up and nurturing young change makers.

\*\*\*\*\*

**Additional Recommendation for Training/Eco Talent & Youth Initiative Development centred projects:**

- i) *CGI based Assessment:* Training centric projects must budget for Gap Analysis and Outcome Assessment @ 2% of total outlay, to strengthen the Approach & Methodology in terms of Core Group of Indicators (CGI) i.e. for community based eco-media and Communicating S&T, eco-design & eco-innovations for effectiveness related to
- Response to communication needs of the target group
  - Ease of public comprehension
  - Ease of access and sharing with stakeholders
  - Facilitating & promoting S&T based do-it-yourself eco-techniques/eco-solutions
  - Capturing & evidencing quantitative and qualitative outcomes of promoting community based eco-media, eco-design & eco-innovation
- ii) *Learning Resource Enrichment:* Training centric projects are advised to budget, optionally, for Resource Enrichment (Eco Eureka) @ Rs 50000/Resource Development on Eco Media Capacity (Studio Eco Next) @Rs 50000/ Resource Enrichment on Eco Talent & Youth Initiative Development (E3 TOT) @ Rs 75000. It should be envisaged at optimising the Eco Talent & Youth Initiative Development form & content, starting with base material from Resource Persons, and building upon with hands on outcomes of participants at each step of the process. It needs to be utilizable by other similar interventions. Selection of revised and relevant material, followed by evaluation, should be based on the criteria of curriculum fit, Communication Gaps, youth potential for creating a difference, feed back, structuring of the learning material including illustrations and designing process, documentation/publishing / digitizing.
- iii) Project Completion Report should be accompanied by the CGI based Assessment Outcomes and copies of Youth Portfolios for Trainees as key deliverables.

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**YOUNG CHANGE MAKER'S  
CHARTER  
OF SCIENTIFIC TEMPER & ECOLOGICAL DUTIES**

**Preamble:** *We, the enlightened youth of India, do hereby solemnly affirm and dedicate ourselves to rise in love and sacrifice for humanity and uphold the values for a peaceful, harmonious and thriving natural world, and we hereby resolve that –*

**Article 1:** It shall be our humble and onerous endeavour & duty to stand for Ecological Integrity of our motherland.

**Article 2:** It shall be our commitment to our inner voice that tells us to live by scientific outlook and decide our day to day ecological responsibilities.

**Article 3:** It shall be our foremost ecological duty to nurture the scientific temper of ours and people of our motherland.

**Article 4:** It shall be our utmost care and duty to give back in greater measure to our common natural heritage than we receive from it.

**Article 5:** It shall be our self commanding ecological duty to create, value and preserve the resilience of our ecosystems as that alone can ensure a scientific and sustainable way of our co-existence.

**Article 6:** It shall be our utmost devotion to carry on the learning and living rooted in timeless traditions of eco-friendly living and valuing the harmonious ecological world order.

**Article 7:** It shall be our collective and individual duty to help our people meet the present and future with out ecological dis-privilege or deprivation for any one.

**Article 8:** It shall be our sacrosanct ecological duty to rise to mitigate and adapt to ecological upheavals wisely and with a loving conscience.

**Article 9:** It shall be our restorative ecological duty and scientific temper to offer ourselves to check ecological degradation and restore ecological imbalances near us and far, as much as we can.

**Article 10:** It shall be our missionary spirit and duty to be ever rising to the cause of rescue, rehabilitation and revival in the face of ecological disasters.

**Article 11:** It shall be our duty to help our people to create a 'Sustainable Society' based on the Principles of maintaining peace, overcoming poverty and creating economic equality, securing fundamental human rights, establishing democracy and freedom and conserving the Ecology and Natural Resources.

*Overall, It shall be the lifework of us all **Young Change Makers**, to be ever self sacrificing and contributing to building of scientific temper, ecological preservation and renewal so that we bequeath to future generations a better planet with healthier ecological relations.*

*(Authored by Dr Pamposh Kumar & Dr Afroz Ahmad)*

## ECO NEXT YOUTH PORTFOLIO

### Tagline/Motto:

1

### PERSONAL

1.1

**Name**

1.2

**Address**

1.3

**E mail**

1.4

**Contact No.**

1.5

**Career Goals**

1.6

**Education**

1.7

**Professional  
Qualification/  
Trainings**

1.8

**Work History**

1.9

**Achievements/Awards/  
Acclaims/ Specialization**

Initials of Course Coordinator

2

### SELF APPRAISAL

*(about 250 words)*

Candidate to work out and remove after filling in succeeding entries

2.1

Worksheets

**Knowledge**

2.2

**Skills**

2.3

**Attitudes**

2.4

**Values**

2.5

**Personal Attributes**

2.6

**Professional Attributes**

To be filled in by the candidate

To be filled in by the candidate

To be filled in by the candidate

To be filled in by the candidate

To be filled in by the candidate

To be filled in by the candidate

*Initials of Course Coordinator*

3

### APPRAISAL OF LEARNING OUTCOMES

Candidate to work out and remove after filling in succeeding entries

3.1

Worksheets

**Scientific Outlook**

1-5 Star Ratings to be filled in by the course coordinator

*(in words and symbols both)*

3.2

**Method of Science**

1-5 Star Ratings to be filled in by the course coordinator

*(in words and symbols both)*

3.3

**Science & Technology  
Communication  
Proficiency**

1-5 Star Ratings to be filled in by the course coordinator

*(in words and symbols both)*

3.3.1

Verbal

3.3.2

Written

3.3.3

Creative

3.4

**Learning pathways  
gained**

To be filled in by the course coordinator

*(about 50 words)*

3.5

**Competencies  
strengthened**

To be filled in by the course coordinator

*(about 50 words)*

*Initials of Course Coordinator*

4

### APPRAISAL OF INSPIRATIONAL WORK

Candidate to work out and remove after filling in succeeding entries

4.1

Worksheets

**Evidence Capture Skills**

1-5 Star Ratings to be filled in by the course coordinator

4.2	<b>Narrative Skills</b>	(in words and symbols both) 1-5 Star Ratings to be filled in by the course coordinator (in words and symbols both)
4.2.1	Verbal	
4.2.2	Written	
4.2.3	Creative	
4.3	<b>Torch bearing potential</b> (May add sub- sections)	To be filled in by the course coordinator (about 150 words)
4.4	<b>Spirit of Community mobilization/ change making</b> (May add sub- sections)	To be filled in by the course coordinator (about 150 words)

Initials of Course Coordinator

**5 DETAILED ENDORSEMENT OF ENGAGEMENT WITH ECOLOGICAL SCIENCES**

Candidate to work out and remove after filling in succeeding entries  
To be filled in by the candidate

5.1	Worksheets <b>Observations and Evidences Captured</b> (add more rows, if required)	
	Day 1	
	Day 2	
	Day 3	
	Day 4	
	Day 5	

5.2	<b>Hypothesis &amp; Validation</b> (add more rows, if required)	<b>Major Hypothesis Formed</b>	<b>Validation / Experiments/ Hands-on-Science/ Inquiries</b>
	Hypothesis #1	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 50 words)
	Hypothesis #2	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 50 words)

5.3	<b>Conclusions &amp; Scientific Interpretation</b> (add more rows, if required)	<b>Conclusions</b>	<b>Scientific Interpretation</b>
	Conclusion #1	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 100 words)
	Conclusion #2	To be filled in by the candidate (about 50 words)	To be filled in by the candidate (about 100 words)

How done? To be filled in by the candidate  
(about 150 words)

How done? To be filled in by the candidate  
(about 150 words)

To be filled in by the candidate  
(about 200 words)

Initials of Course Coordinator

**CERTIFICATE**

*Certified that  
Mr/Ms.....  
S/D .....  
actively participated in ..... held on ..... and  
successfully engaged with activities & exercises as given in the accompanying  
**"Eco Next Youth Portfolio"**  
which demonstrates his/her preparedness, skills and strengths*

**Sig. Head of the Organization**

**Sig. Course Coordinator**

**Sig. NCSTC Prog-i-C**

*Disclaimer: This endorsement is for motivational purposes only, and shall not be a basis for legal or any other kind of claims.*

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**'END OF DOCUMENT'**