



Webinar on

“ECOLOGY AND BIODIVERSITY” FOR AN ENVIRONMENTAL IMPACT ASSESSMENT (EIA) STUDY

Ecology and Biodiversity (EB) along with Socio-economics (SE) happen to form important components of any EIA even as per the NABET Scheme which comprises twelve Functional Areas. Ecology and Biodiversity of any region is an indication of sustained functioning of the system as a whole. Developmental activity in this regard needs to consider this sustenance prior to either improving or substantiating the sustenance level of the project surroundings.

Ecology and Biodiversity demands adequate expertise in order to comprehend the existent supportive features of the area. Any developmental activity proposed or planned should therefore consider these features prior to executing the project for operation. It is therefore the responsibility of the concerned EB expert to understand the study area of 10 km to evaluate the aspects that deserve serious attention for improvement.

As is the conventional practice for an EIA, EB expert needs to highlight the significant features both in the baseline and impact (due to the developmental activity) prior to suggesting appropriate measures for either strengthening or improvising the current practices. In order to achieve this goal under EIA, EB expert should focus primarily on the baseline studies with standard practices of field study to compile the relevant / significant role of each component of the Ecosystem. The application of field studies along with desired equipment provides considerable input for subsequent evaluation especially, the impact of project activity on this sustained environment. One has to be careful in recording the details for comparison with secondary data of area. Once the baseline data is available, it is necessary to co-operate with associated functional experts like, soil, water, air quality to comprehensively evaluate the impacts of the project activity (the process flow diagram in this regard presents the sensitive / vulnerable areas of impact). As for example, superimposing the isopleth of air quality clearly defines the areas of high and low concentration of pollutants which will be indicative of the potential impact on the nature of biotic component encountered in these areas. Similarly, the continuous fall out of pollutants on the soil (agricultural, vegetation) and water carrying such concentrations that enters the plant could impact them.

With the kind of data that is generated through baseline and impact assessment, the expert could propose the plan for either substantiating (Brown field project) or outlining appropriate measures that the project proponent needs to undertake (Greenfield project) in order to safeguard the existing ecosystem.

Speaker

Dr. A K Shyam. – He is a freelance consultant and Executive Director of REIAI , with rich experience in energy sector having been associated with corporates like NTPC, Reliance Energy and GMR where he looked after EB related issues of the developmental planning of these corporates. He was associated with NABET between 2016 and 2022 as an Assessor. He has several publications in Energy Central where he was voted as ‘Voice of 2022’ for his contributions on energy related aspects. One of his publications ‘Innovations in the power industry’ is one of the Chapters of “The Sustainability Handbook Vol. I” of the Elsevier Publications.



Registration Details: <https://forms.gle/u9CJbGavn5PKdfoU8>

Date: 19th August 2023
Time: 10:00 am -2:00 pm
FEE: for REIAI Members Rs.1770/- ONLY per person (Including GST)
And For Non Members Rs 2360/- per person (Including GST)
Last Date for Registration 17th August 2023

Payments may be remitted to Bank Details:
Bank Account No: 916020004933764
Name of account Holder : Recycling and Environment Industry Association of India
Bank Name & Address : Axis Bank & Lajpat Nagar, B-6, Lajpat Nagar- II, New Delhi, Delhi- 110024
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