

**Aspects to be covered (but not limited to) in the Environmental Impact  
and Risk Analysis Studies<sup>5</sup>**

- (1) Annual quantity of the claimed by-product generation
- (2) Composition of the claimed by-product and the observed maximum concentration of each of the constituents contained in it (please refer Schedule-II for identification of the constituents concerning the material).
- (3) Impact of the use of the claimed by-product on the process (where it is intended to be used) with regard to the release of contaminants in the air, water, soil and work zone environment.
- (4) Impact on generation of hazardous and other wastes from the proposed process, where the claimed by-product is intended to be used.
- (5) Need of making changes in the existing air/water consents and authorization, where the claimed by-product is intended to be used.
- (6) Impact on the adequacy of pollution control measures presently in place specially in the context of their need up gradation in compliance, where the claimed by-product is intended to be used.
- (7) Expected impacts on the environment and human health, where the claimed by-product is intended to be used. This should be done on the lines of the EIA studies that are done for the new projects and the identification of the environmental and health management plans required to be added.
- (8) Analysis of Risks involved in the end use of the material/product derived by using claimed by-product and identification of the additional requirements in the management plans
- (9) The overall environment and human health impact of using the claimed by-product in the process where a fresh product (which would be partially or fully substituted by the claimed by-product) is currently in use and the risks involved in doing so.
- (10) Justification of the acceptability of the findings.

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<sup>5</sup> All the studies mentioned above should be conducted by an agency accredited by the National Accreditation Board for Education and Training (NABET), Quality Council of India, for this type of studies