***MAHENDRA INSTITUTE* OF**
ENGINEERING AND TECHNOLOGY

***PHASE* - 3**

ENVIRONMENTAL MONITORING INITIALIZATION:

IWM4MINI allows the caller to supply MVS with some or all of the work request attributes needed for the monitoring environment. The attributes include user ID, transaction name, transaction class, source LU, and LU 6.2 token.

There are three types of monitoring environments available: management monitoring environments, report-only monitoring environments, and buffer pool management only environments. Management monitoring environments provide both

performance management and performance reporting. Report-only monitoring environments can be used for performance reporting only. Buffer pool management only environments provide only buffer pool performance management for enclaves.

Use the REPORTONLY=YES parameter to specify the monitoring environment will be used for reporting purposes only.

If you invoke IWM4MINI with the REPORTONLY=YES parameter, you must specify ASSOCIATE=ENCLAVE or ASSOCIATE=ADDRESS_SPACE to associate the monitoring environment with an enclave or an address space.

Use the BPMGMTONLY=YES parameter to specify the monitoring environment will be used for buffer pool management for enclaves only.

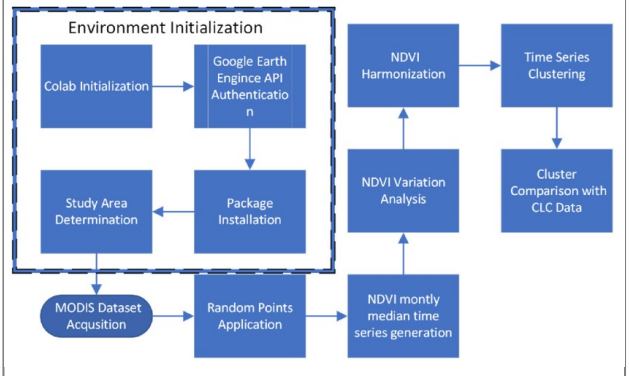
If you invoke IWM4MINI with the BPMGMTONLY=YES parameter, you must specify ASSOCIATE=ENCLAVE to associate the monitoring environment with an enclave.

For management monitoring environments, where possible, you should invoke IWM4MINI immediately following IWMCLSFY, and pass the service class for the work request. Without the associated service class in the monitoring environment, delay information cannot be accumulated and reported accurately.

IWM4MINI can be issued multiple times for the same work request. The first time you invoke IWM4MINI for a work request, you must specify MODE=RESET, otherwise the previous work request's attributes are associated with this work request. Any subsequent time you invoke IWM4MINI from the same address space for the same monitoring token for the same work request, specify MODE=RETAIN. If the caller subsystem work manager consists of multiple address spaces (with multiple monitoring

tokens), the first time IWM4MINI is invoked in each address space for a given work request must specify MODE=RESET. Any subsequent invocations for the same work request should specify MODE=RETAIN.

If you are invoking IWM4MINI for a management monitoring environment, multiple times for the same work request, only one of the invocations should specify EXSTARTTIME=exstarttime. It is up to you to decide at which point in the subsystem work manager's processing you consider the real execution start time.



ENVIRONMENTAL MONITORING PLAN:

The environmental monitoring programme is a vital process in the Management Plan for any construction project. This helps in signaling the potential problems that would result from the proposed project and will allow for prompt implementation of effective corrective measures.

The environmental monitoring will be required during construction & operational phases.

Water Quality and Public Health

Since water contamination leads to various water related disease, the project authorities shall establish a procedure for water quality surveillance and ensure safe water for the consumers.

Detailed epidemiological study related water born disease shall be carried out and the data shall be compiled for every year in the project area. This data would help the authority in finding out the trends for incidence of water related diseases prevalent in the area, which would help them to take suitable remedial measures for reducing or eradicating the occurrence of these diseases in future.

Water quality parameters shall be monitored before and after the completion of the project.

Monitoring shall be carried out on quarterly basis to cover seasonal variations. Water quality shall be analyzed by applying the standard techniques.

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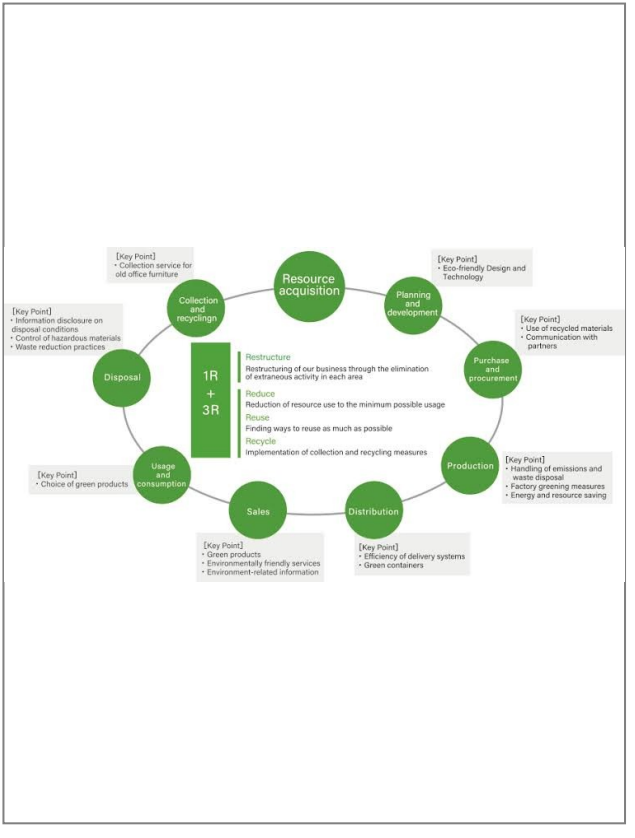
ENVIRONMENTAL MONITORING EXECUTION:

Environmental monitoring refers to systematic sampling of air, water, soil, and biota in order to observe and study the environment, as well as to derive knowledge from this process.Type of environmental monitoring purely depends upon the objective or purpose. Environmental monitoring methods change on a number of locations, duration of the survey, time of the survey. Environmental monitoring methods are

classified into three types: Planned emission, fugitive emission and accidental emissions.



Execution environments are typically part of another node that models the computing hardware of a system. For example,

an execution environment within a server processor might provide the operating system-level services that are required to support a database application installed in that environment.

The application execution environment is an environment that is a base for providing services to the user by executing an application. The following are the two types of businesses that can be executed in the application execution environment: Online business.

ENVIRONMENTAL MONITORING CONTROL SYSTEM:

Environmental control systems include different techniques that help in eliminating both particulate and gaseous pollutants generated during plant operations.

Some of the technologies used to clean up power plant emissions, include:

- **Selective catalyst reduction**

- **Fuel gas desulphurisation**
- **Activated carbon injection**
- **Fabric filters**
- **Electrostatic precipitators**
- **Dry sorbent injection**

Suppliers of environmental monitoring and control systems

Power Technology has listed leading suppliers of environmental control systems and environmental monitoring systems based on its extensive experience in the sector.

The list includes suppliers of fuel gas recovery systems, packed tower scrubbing systems, desulphurisation, drying and valorisation systems, boiler air pollution control systems, and heat recovery steam generators (HRSG). It also includes suppliers of odour control systems, oil spill secondary containment

systems, and flue gas cleaning and industrial odour control systems.

The information available in the download is useful for power generation companies, power plant operators, environmental consultants and any individual involved in power plant operations.

The download contains detailed information on manufacturers and suppliers, their product and service offerings, and contact details to aid purchase decisions.

CIOSING:

Environmental monitoring refers to the tools and techniques designed to observe an environment, characterize its quality, and establish environmental parameters, for the purpose of accurately quantifying the impact an activity has on an environment.

Implementing working environment monitoring helps businesses establish and maintain a healthy & safe workplace, reduce risks of affecting health and prevent occupational

diseases for employees; thereby, helps employees are more satisfied, engaged, and devoted to the business, as well as increasing efficiency !!

THANK YOU..