Indo-German Energy Programme (IGEN)

Energy Efficiency in Industry & Data
Project Objectives
Energy Efficiency in Industry & Data

To capacitate Indian Non-PAT industries in the secondary steel and pulp & paper sector to implement and adopt energy efficiency measures

CAPACITY BUILDING
Focus to capacitate both Industry and SDA

1. Gap Assessment
2. Baseline - Energy Audits (~ 400) - Technology Identification
3. Development of Industry service portfolio
4. Trainings (Web based, Simulation based & Physical training)

POLICY
Support BEE in developing policy framework and its implementation

1. Policy/ Scheme Development
2. Implementation support

KNOWLEDGE PRODUCTS
Focus on digitizing knowledge for disseminate

1. Video Tutorial _ innovative technologies _ SOPs
2. Know where you Stand - E-Tool
3. Technology Data base – with Vendor details

PEER TO PEER LEARNING
Focused on inter cluster & inter SDA knowledge dissemination program

1. Peer exchange tours
2. Peer-to-Peer workshops
3. Experience sharing platform
Energy Efficiency

RISK
Will it hamper my production?

Where?

How?

Are they trained to do so?

Who?
Can we erase the risk by doing the test trial in similar equipment outside the industry, where we could even monitor the saving and evaluate the risk
UNDERSTANDING OF DIGITAL TOOL
DEVELOPMENT OF DIGITAL TOOL
INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission.
Actual model

With Digital Replica
Now location is not a boundary any more
exact digital replica of the actual equipment

operates as per ACTUAL equipment

RESPOND TO the CHANGE of its AMBIENT CONDITION
Trainee can now play and understand the effects of their actions without impacting the actual plant operation.

Help understand, how to evaluate performance of the system in various conditions.

Training on best practices and measures.
Compression Skid Inlet

The inlet is where the gas to be compressed enters the first stage scrubber.
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(A.1) Designing & development of Windows based VR Application for Trainers

(A.2) Development of Non-VR windows & tablet based application for Trainees

(A.3) Development of all the content

Classroom Training Platform (CRTP)
Training
THANK YOU

Get trained in Digi twin

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