

**Ministry of Micro, Small and Medium Enterprises**  
**UNIDO-GEF-MSME Project**  
**Promoting Business Models for Increasing Penetration and Scaling up of Solar Energy (GEF-5)**

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**Second Technical Working Group (TWG) Meeting**

The second Technical Working Group (TWG) Committee meeting under the UNIDO-GEF-MSME project on Promoting Business Models for Increasing Penetration and Scaling up of Solar Energy in India (GEF-5) was held on 1<sup>st</sup> February 2023 under the Chairmanship of Director (Technical), Ministry of MSME through Virtual Mode.

Chairman cum Joint Secretary, MoMSME was unable to participate due to his urgent commitments in the Ministry. However, the meeting was conducted under the Chairmanship of Director(T&P), MoMSME. The list of participants, who attended virtual meeting, is enclosed at Annexure1.

Following were the agenda points:

1. Welcome address and action taken by UNIDO on the 13th July 2022 meeting;
2. Technical and Financial supports of the industries under the Ankleshwar Chemical Cluster
3. CST project implement in the pharmaceutical industry at Goa.
4. Materialization of additional Solar Project under the UNIDO-GEF-MSME project.
5. Review and approval of DPRs under Surat Textile Cluster
6. Suggestion/Proposal from the members of the TWG, if any

**RECORD OF DISCUSSION**

**1) Agenda 1: Welcome address and action taken by UNIDO based on MoM meeting issued on 13th July 2022;**

The meeting started with welcome remarks by Sh. Vinamra Mishra, Director (Technical), Mo MSME and Mr. Debajit Das, National Project Coordinator to the members of the TWG, followed by short round of introduction by the members.

- Mr. Das, National Project Coordinator, UNIDO updated the progress of project activities assigned during the first TWG meeting was held on 13th June 2022 and also informed to the committee that the UNIDO team visited the following two clusters;
  - Jorhat Tea Cluster – 6th July 2022
  - Vellore Rice Mill Cluster – 8th August 2022

A total 9 feasibility reports have been prepared by UNIDO and shared with the concerned industries under the clusters.

- Mr. Pankaj Kumar, National Technical Expert (NTE), UNIDO briefed the TWG members on the technical aspects of all the two clusters of prepared 9 PFRs to TWG committee members. NTE highlighted in the meeting that the project payback period of Jorhat Tea Cluster is very high and industries needs additional financial grant of UNIDO support to bring down the payback period. During the presentation, the project team proposed in the meeting for 10% additional financial grant with total 25% of UNIDO' s grant to consider especially for Jorhat tea cluster.

- Sh. Vinamra Mishra, Director (T&P), MoMSME suggested that the Concentrating Solar Thermal is one of the best options to reduce the dependence of conventional fuel and he suggested UNIDO to propose in PSC meeting to discuss on additional financial grant for Jorhat Tea Cluster.

During the meeting, Director MoMSME also suggested to finalize the RFQ on international expert agency for back-up support in technical due-diligence, capacity building and communication over-sight.

- Dr. Rene Van Berkel, UNIDO mentioned that the project team is working towards reducing some scope of work keeping in mind of the high budget quoted by the international agencies and UNIDO will be able to float the RFQ just after finishing the revision of the scope of work.

## **2) Agenda 2: Technical and Financial supports of the industries under the Ankleshwar Chemical Cluster**

Following two industries submitted consent letter to UNIDO after review of feasibility reports on 29th & 30th November 2022.

- Speqtus Industries, Bharuch, Gujarat.
- Basic Pharma Life Science Pvt Ltd., Bharuch, Gujarat

Pre-feasibility reports of the above two industries were detailed by the National Technical Expert to the TWG Committee members. After Considering all the techno-economic aspects, the TWG committee approved both the projects and instructed UNIDO for the preparation of DPR at the earliest.

## **3) Agenda 3: CST project implementation in the pharmaceutical industry at Goa.**

NPC, UNIDO informed that the Goa Energy Development Agency (GEDA) has requested MoMSME to consider Goa for Pharmaceutical industry under the UNIDO-GEF MSME project.

Director, MoMSME and other TWG committee members agreed to consider a request received from GEDA as a Goa for Pharmaceutical under the UNIDO-GEF-MSME project.

UNIDO team may plan to visit Goa for a meeting with GEDA and other pharmaceutical industries to explore CST project by end of February 2023.

## **4) Agenda 4:Materialization of additional Solar Project under the UNIDO-GEF-MSME project.**

- i. Rallis India Ltd, a chemical industry near Ankleshwar, Dahej (Bharuch, Gujarat)
  - ii. Goa Medical College, Bambolim, Goa
- UNIDO project team mentioned that the above two industries approached UNIDO for undertaking additional CST projects in their plants and have requested to consider technical and financial supports under the UNIDO-GEF-MSME project.
  - NTE, UNIDO informed to the TWG committee that the Rallis India Ltd is not come under the MSME sector but this project may benefit of implementing the pilot CST project at Rallis India includes scaling of the project in the other Chemicals and Pharmaceuticals industries near Ankleshwar.He also suggested that management of Rallis India has interacted with various CST manufactures and they found a suitable supplier having adequate competency and requested UNIDO to facilitate the implementation of the 704 m<sup>2</sup> size of the CST project.

- Mr. Prasad, CII Representatives suggested that the Rallis India project is a final stage for the execution of project and it would help UNIDO to execute CST project in time, this project may help to other MSME clusters to generate more proposals.
- Director (T&P), MoMSME recommended to take this for discussion in the upcoming PSC meeting.
- TWG members also agreed to support Goa Medical College for CST project for the preparation of DPR with technical and financial supports under the UNIDO-GEF-MSME project keeping in huge replication potential in the hospital sector.

**5) Agenda 5 :Review and approval of DPRs of following two industries under Surat Textile Cluster**

- i. Suje Tex (P) Ltd, Surat, Gujarat
- ii. J.P. Kachiwala Textile, Surat Gujarat

Project team informed the TWG committee that the assignment for the preparation of DPR has been awarded to GSES, New Delhi on 12 November 2022 and the GSES team has also visited the MSME clusters for preparing of DPRs under the UNIDO-GEF-MSME project.

- Mr. Dwipen Boruah, GSES presented the details of techno-commercial aspects of DPRs to the TWG committee members for review.
- Dr Vinod Chopra, Member Executive Committee, CMSME and Managing Director, Sai Industrial Alliances Pvt Ltd, Mumbai represented FICCI in the TWG meeting and mentioned that the approach for DPR has been exhaustive and includes all necessary elements, however he urged to find out proper time line for the implementation of project so that the monitoring progresses can be adequately monitored.
- Mr. Kishore Menon, Dy. Director, NISE suggested in the meeting that the DPRs prepared for the industries looks good and appreciated GSES team especially selection of CST technology mentioned in the DPR as per the actual assessment of project site. He also suggested to involve NISE for the technical inspections of CST project.

The committee also suggested that the project execution of the consented units should get started at the earliest. Based on the approval of DPRs by the TWG members, the bidding and execution of project is planned to be initiated by the UNIDO project team.

The TWG Committee confirmed the minutes and appreciated the efforts made by the UNIDO team in complying to the points raised in first TWG meeting.

The meeting ended with thanks to chair.

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**Following members / invitees were present in the TWG meeting**

| S.No | Name of the Officer | Designation and Organisation                            |
|------|---------------------|---|
| 1    | Sh. Vinamra Mishra  | Director(T&P), Mo MSME                                  |
| 2    | Dr. Rene Van Berkel | Project Manager, UNIDO                                  |
| 3    | Dr Vinod Chopra,    | Member Executive Committee, CMSME Represent FICCI       |
| 4    | Mr. Prasad          | CII Representative                                      |
| 5    | Sh Kishore Menon    | Dy. Director, National Institute of Solar Energy (NISE) |
| 6    | Rakesh Kumar        | Dy. Director, MoMSME                                    |
| 7    | Santosh Kumar       | Assistant Director, Mo MSME                             |
| 8    | Sh. Debajit Das     | National Project Coordinator, UNIDO                     |
| 9    | Sh. Pankaj Kumar    | National Technical Expert, UNIDO<br>(Convenor)          |