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Name	Nikhil Khot and Members of the Expert Appraisal Group (EAG) Prof. Satyananda Kar, Department of Energy Science and Engineering, Indian Institute of Technology (IIT) Delhi.
Places	Hissar, Haryana
Date of Travel	February 17, 2023
Date of Report	February 23, 2023

Notes/Discussion

Purpose of visit:

A follow-up visit to review the progress of the demonstration projects selected under the financial support scheme of the GEF-MNRE-UNIDO Project to the Expert Appraisal Group (EAG) members to conduct the inspection of work and progress.

Mission Itinerary:

17 February 2023:

07:30 am to 01:30 pm – New Delhi to Hissar

01:30 pm to 04:30 pm – Project site visit followed by the meeting

04:30 pm to 10:30 pm – Hissar to New Delhi

Background

The GEF-MNRE-UNIDO Project launched its financial support scheme to demonstrate innovative organic waste-to-energy bio-methanation projects. The Expert Appraisal Group (EAG) was appointed to carry out the competitive evaluation of the applications received under the financial support scheme of the GEF-MNRE-UNIDO Project launched to promote innovations. The following is one of the four projects selected by the Project Executive Committee (PEC) based on the assessment of the Expert Appraisal Group (EAG).

M/s Metro Fuels

Chaudharywas to Gawar Road, Village Chaudharywas,

District Hissar, PIN-125 005

Size/Capacity – 6,500 m³/d

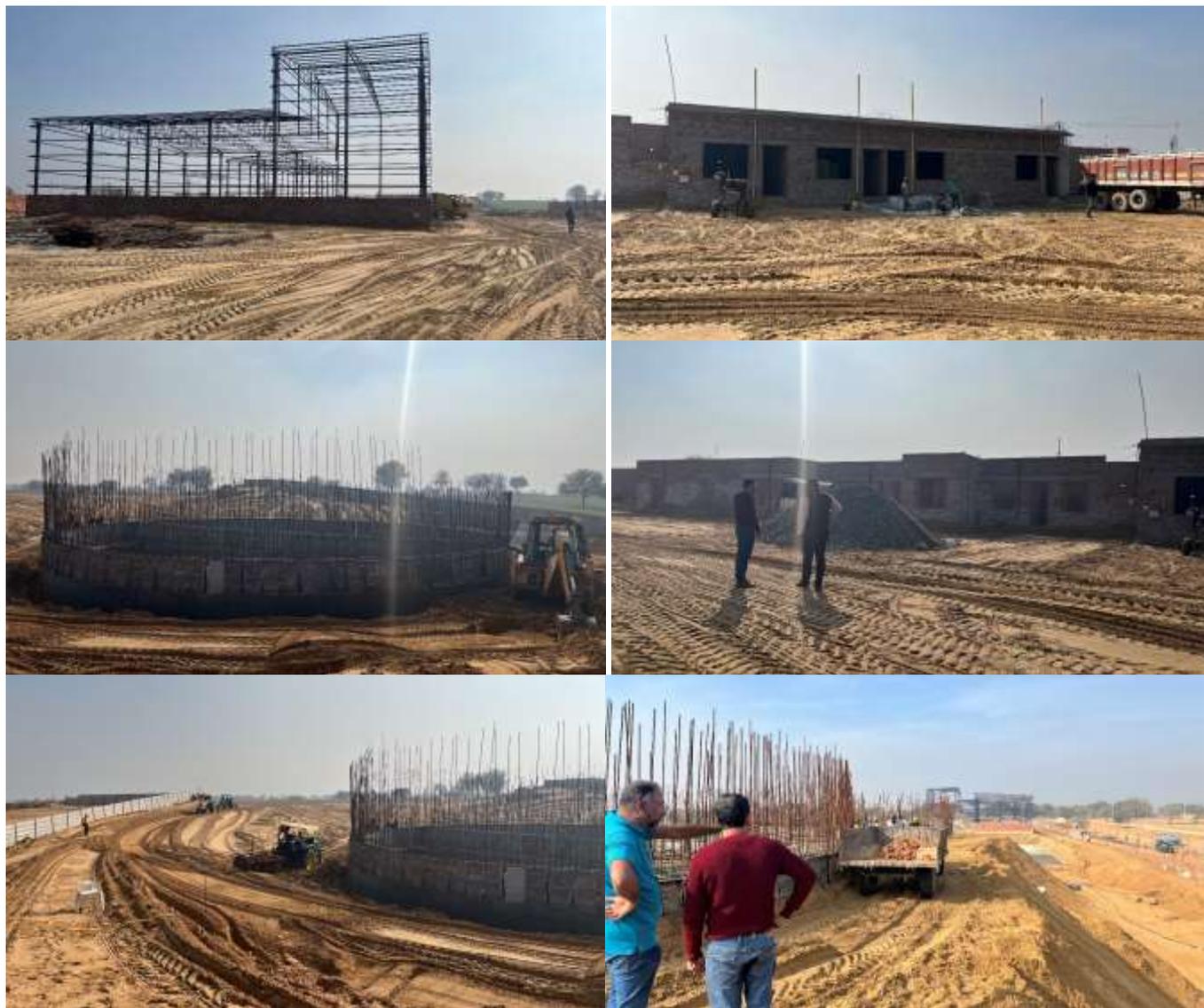
Achievements

Mr Rahul Gupta, the project director and Mr Rajesh Iyer from the Cyra Engines who is the overall bio-CNG plant technology provider welcomed and walked us through the project site.

The major concrete structure of the three digesters, the brickwork of the office, control room, and canteen building is completed. Also, the outer shed structure is completed for compressed gas storage. The biogas storage balloons over the digesters have arrived from China by ship at the Mumbai port. The biogas upgradation system is ready for dispatch from Gujrat. The purchase orders for the rest of the equipment have been placed. The remaining work needs to be expedited to meet the deadline; especially all the balance civil contraction work.

Following the minutes of the 6th Project Steering-cum-Advisory Committee (PSAC) meeting held on 19 December 2022, a letter of intimation has been issued to the project by UNIDO to notify 31 October

2023 as the deadline for successful commercialisation¹. The letter has been handed over to Mr Gupta.



Follow-up Actions

Action: Plan a follow-up visit

Deadline: 21 April 2023

Responsible: Nikhil Khot

¹ Successful Commercialisation – demonstrations of the innovations and the minimum 5 days continuous plant operation at the more than 90% of the designed Bio-CNG output capacity.