



GEF-UNIDO INDUSTRIAL ENERGY EFFICIENCY (IEE) & RESOURCE EFFICIENCY AND CLEANER PRODUCTION (RECP)

"PROJECT'S STEERING COMMITTEE (PSC) MEETING"

REPORT

SEPTEMBER 28-29 2022

Barcelona Hotel International FCT Abuja

1.0 INTROUCTION

The Project Steering Committee (PSC) of the GEF-UNIDO Industrial Energy Efficiency (IEE) & Resource Efficiency & Cleaner Production (RECP), Nigeria project met on September 28-29, 2022. The meeting which was a two-day event allowed the Committee to visit the Vice Chancellor and the Governing Board of the Energy Research Centre, University of Abuja on the first day. The visit also provided an opportunity for the Committee to inspect the Energy Efficiency and Resource Efficiency facilities of the University. The actual meeting was convened on the second day with the overarching objective of reviewing the first year workplan and presenting the approval of the second year workplan.

Members of the Committee were drawn from public and private sectors, international development and non-governmental organizations. Those present at the meeting include: Charles Ikeah (Co-Chair PSC), Federal Ministry of Environment; Engr. Okon Ekpenyong (Co-Chair PSC), Energy Commission of Nigeria; Dr Ezekiel Oseni, Bank of Industry; Engr. Achema Alewu, Standards Organisation of Nigeria; Mabel Ogbonna, Nigerian Investment Promotion Commission; Okechukwu Ugwu, International Centre for Energy, Environment and Development; Oyewole Amuda Ashaolu, Federal Ministry of Environment (RECP); Isah Moukhtar Abdullahi, Federal Ministry of Industry, Trade and Investment; Chisom Nwankwo, Federal Ministry of Science and Technology; Aleriwon Daniel , FMEEnv-GEF; Jean Bakole, UNIDO Regional Director who was represented by Mr. Oluyomi Banjo, National Programme Coordinator, Environment and Energy UNIDO Nigeria; Segun Ajayi-Kadir, mni, Director General Manufacturers Association of Nigeria (MAN) proxied by Adeyemi Folorunsho, Asst. Director Abuja Liaison Office, MAN.

Nigerian Environmental Society, Federal Ministry of Power and National University Commission (NUC) were absent at the meeting.

In-attendance are Oladipo Jacob, National Project Coordinator GEF-UNIDO NGN IEE & RECP Project. Dr. Oluwasegun Osidipe, National Technical Coordinator GEF-UNIDO NGN IEE & RECP Project; Samaila G. Zaku, Energy Commission of Nigeria; Olufemi Ilesanmi, Bank of Industry; Akpobi Christopher Inkele, Roseline Osatufo, and Chigbo Morgan, Federal Ministry of Environment.

2.0 ADDRESSES, REMARKS AND GOODWILL MESSAGES

Mr Charles Ikeah, PSC Co-Chairman and Director Pollution Control and Environment (PCEH), Federal Ministry of Environment

In his Welcome Address, Mr Charles Ikeah, PSC Co-Chairman and Director Pollution Control and Environment (PCEH), Federal Ministry of Environment, represented by Engr. A.A Oyewole, Deputy Director, (HCE), welcomed all members present. He specially appreciated the Global Environment Facility (GEF) and United Nations Industrial Development Organization (UNIDO) for the financial and technical support to Nigeria. He noted that the GEF-UNIDO Project is critically important to the environment and health of the Nigerian economy. He observed that appreciable successes have been recorded on the project in the past one year and concluded that the successful implementation of the second phase of the project is a top priority. He therefore charged all stakeholders to work together to achieve all set targets for the project in the second year.

Mr. Oladipo Jacob, National Project Coordinator GEF-UNIDO NGN IEE & RECP Project

In his address, Mr. Oladipo Jacob, the National Project Coordinator welcomed all participants and apologised for the late commencement of the meeting, which he attributed to technical issues and the need to allow for

a recognisable achievement in the implementation of the workplan before calling for the meeting. He observed that the project has been under implementation with all the preliminary stages completed.

He noted that the Project Steering Committee (PSC) is the overseeing body for the project that provides coordinated feedbacks from its membership to the PMU. He also noted that PSC is responsible for inter-ministerial communication, facilitation and policy matters. Mr. Oladipo observed that the project has recorded great successes during the last one (1) year, which will be presented to the Committee by the Project Executing Partners, that is, RECP, IEE, ECREEE and PMU with regards to the progress reports (milestones, challenges, recommendations & conclusions) as well as presentation on the second phase of the project. This will be followed by questions, observations and recommendations from the distinguished members of PSC. He also noted the introduction of ECOWAS Centre for Renewable Energy and Energy Efficiency (ECEEE) as a member of the working group approved by UNIDO.

Mr. Jean Bakole, UNIDO Regional Director

A keynote address was presented by Mr. Jean Bakole, UNIDO Regional Director who was represented by Mr. Oluyomi Banjo, UNIDO National Programme Coordinator, Environment and Energy UNIDO Nigeria. He observed that the Nigerian Project is the first time UNIDO is implementing an integrated IEE and RECP project anywhere in the world. He further observed that the project is special and if successfully implemented will become a reference point for other countries in addition to being a marked success for Nigeria and Africa at large. He noted that the first year of the project was centred on establishing relationships, partnerships, developing and signing agreements, developing of contracts, recruitment of international experts, sensitization of different stakeholders, reviewing of regulatory and legislative frameworks, start-up of experts and institutional development processes, trainings and the inclusion of ECREEE and other relevant agencies in the project.

He informed the Committee that the meeting will provide a platform for the presentation of progress reports and draft workplan plan for the next contract for consideration and adoption. He encouraged the Co-Chairs, members of the project working committee and indeed, all stakeholders to support the implementation to ensure the success of the project. He assured stakeholders that UNIDO will unwaveringly support the Nigeria's project to successful implementation.

Speaking on the capacity of National Programme Coordinator, Environment and Energy UNIDO Nigeria, Mr. Banjo appreciated the prospect of the project for Nigeria as he remarked that the project focuses on the economic aspect in terms of optimal use of productive resources through energy Efficiency and Cleaner Production. He further remarked that the timing of the project is apt, particularly as it is a good step towards energy transition which aim at zero emission that is intended to address the issues of Global warming and Climate Change.

3.0 PRESENTATION OF PROGRESS REPORT

IEE & RECP Working Groups

The IEE and RECP Working Groups Progress Reports were presented by Engr. Okon Ekpenyong and Mr. Morgan Chigbo respectively. However, Engr. Okon Ekpenyong drew the attention of the Committee to the similarities between the activities IEE & RECP Working Groups. He remarked that RECP focuses on the management of wastes generated by the industries, while IEE is concerned with the management of Industrial Energy used in the same production process. Consequently, a joint Progress Report was presented on IEE and RECP project implementation. Below are the achieved deliverables by the Groups in the period of project implementation.

- The Inception Workshop of Stakeholders;
- Online and Offline meetings with the major stakeholders (UNIDO, ECREEE, MAN, NESREA, ECN, IEE and RECP working groups, etc) in the first-year contract;
- Engagement of national experts with the signing of MOUs;
- Awareness creation in designated states of the country: Kano State (16th June 2022), Lagos (9th June 2022), Port Harcourt (28th June 2022) and Abuja. The following attendance was recorded; Kano (78 participants, 33 females and 46 males), Lagos (56 participants, 24 females and 32 males), Kano (62 participants, 12 females and 50 males), Port Harcourt (43 participants, 18 females and 25 males);
- Two-day validation workshop of all stakeholders to produce a framework for policy and regulatory manual;
- Capacity Building achieved through the use of questionnaires and engaging stakeholders on their training needs which were later sent to the PMU and UNIDO;
- Training of Regulators and Policy makers which is on-going;
- Development of RECP and IEE methodologies in line with ISO 500001 series and tested in 6 industries;
- Data gathering and mapping which is ongoing: Kano (120 industries mapped and data gathering in 60 companies); Lagos (98 companies mapped while data gathering in 60 companies is in progress); Abuja (48 companies mapped, while data gathering is on-going in 38 companies); Port Harcourt (45 companies mapped).

During the first-year contract, the IEE and RECP Working Group achieved the following milestones:

- i. Further discussion with prospective beneficiary companies on invitation; and
- ii. Exceeded the 40 industries stipulated in the project document to be covered within the first year.

The challenges encountered by the Groups in the course of the first phase of the project include the following

- Hesitancy to change by the industries;
- Difficulty in accessing the industries; and
- Delay in the release of funds for the activities.

However, the group made the following recommendations:

- Effective collaboration amongst the working groups and MAN in order to reach out to the industries and;
- The need to initiate an MOU between the industries and RECP & IEE working groups to build trust among the parties.

Resolution

Following the issues raised by members after the presentation by the IEE & RECP Working groups, the Committee resolved as below.

- i. IEE & RECP working groups should ensure that they follow the laid down procedures given during their data gathering and mapping processes in Industries especially working closely with MAN.
- ii. Need to create an alternative process that will facilitate the quick release of funds, particularly as the observed delay traced to peculiarity of the Treasury Singular Account policy.
- iii. Encourage mutual outstanding and cooperation between regulators (Government) and Industries (MAN) by following the laid down procedures during data gathering and mapping processes.

ECREEE

Dr Charles Diarra representing ECREEE noted that after the signing of the first-year contract with UNIDO, ECREEE in collaboration with MAN commenced the project implementation with the training of project hosts, and the awareness workshop, which is to be organized in Abuja, Lagos, Kano and Rivers States as captured in the project document. He reiterated that the Awareness Workshops in Rivers and Kano have been completed, while Lagos and Abuja workshops were slated for October 2022. He remarked on the components of the project in terms of the implementation status as follows:

- **Policy and Regulations:** in progress and will end in November 2023;
- **Awareness Creation/materials:** Fully completed;
- **Data collection and mapping of industries:** Still in progress; and
- **Capacity Building/Training:** Still in progress.

He noted ECREEE is currently developing training materials in conjunction with renowned international experts and National experts using ISO 50001 standards. He also noted that the materials will be developed in conjunction with SON and ECN due to their mandates. He presented the percentages of gender-based participation for the trainings conducted in some states and noted that female involvement in the training is very low.

Dr. Diarra also noted that EXCREEE will be collaborating with the IEE and RECP Working Groups on the following activities:

- **Capacity Building:** Training of those who will be taking over from ECREEE once the training is completed in order to strengthen Nigeria's Industrial and Energy Systems;
- **Developing Support Materials/Packages:** The materials will be made readily for use through the assistance of UNIDO;
- **Training of stakeholders:** -During the training, the materials provided will be customized using the best readily available equipment's.
- **Development of Curriculum with Universities:** A series of Training and workshop will be organized for the selected universities in order to get the VISION of the project. The trainings and workshops will enable the universities to replicate the knowledge gained into developing their own curriculum. The Universities can also develop a course material for acquiring a Degree on IEE or RECP or both and offer short certification courses.

The milestones achieved in the period of project implementation were Awareness creation and trainings of participants. However, a major challenge identified in period of implementation is low participation especially the female participants.

He further made the following recommendations:

- Greater collaboration with MAN and better working relationship in terms of coordination during the next trainings.
- Setting up and sending invitation letters for meetings early.
- Improvement in the registration processes and presentation of names of selected participants for trainings on time (at least 2 weeks ahead).

Resolution

After much deliberations on the presentation, the Committee resolved as follows:

- i. Inclusion of national experts and financial institutions for trainings on how to access funds, develop proposals and business plans in relation to the project;

- ii. MAN, to support ERCEEE to reach out to the relevant industries to improve participation;
- iii. Carry out further awareness workshops with the industries as many of them do not have full information on the project;
- iv. Engage the CEOs of Industries, media houses for effective reporting to the public;
- v. Timely dispatch of Invitation letters to MDAs with follow-up to improve the level of turnouts at the events;
- vi. Provide funding support to MDAs and other stakeholders for logistics during meetings, trainings and workshops;
- vii. In addition to e-copies of invitation letters being sent out, hard copy of such letters should also be sent to invitees.

Project Management Unit (PMU)

Dr. Oluwasegun Osidipe, the National Technical Coordinator presented the progress report on behalf of the PMU in terms of engagements, milestones and deliverables as follows:

- i. Engagement with Bank of Industries to facilitate the release of funds (2nd June 2021).
- ii. Project Steering Committee Engagement (3rd June 2021)
- iii. Project Inception Workshop (6th July 2021).
- iv. Engagement with IEE and RECP working group in order to get a deeper understanding of the project requirements (7th - 14th October 2021).
 - v. Engagement with SON based on the standardization requirements of the project (8th July 2021).
- vi. Visitation and inspection of the facilities of selected Universities in collaboration with UNIDO which includes: University of Abuja (UNIABUJA), University of Lagos (UNILAG), Federal University of Petroleum Resources (FUPRE) and Bayero University Kano (BUK) [9th July- 11th August 2021].
- vii. Engagement and selection of national experts on IEE and RECP in terms of internationally accepted standards and best practices.
- viii. Inception training in conjunction with ECREEE (8th - 10th December 2021).
 - ix. A one-day stakeholder's workshop on industrial energy policy and regulations. (18th January 2022).
 - x. One day stakeholders' workshop on resource efficiency by RECP working group which was implemented by FMENV (26th January 2022).
 - xi. Policy dialog session with CEOs of industries (3rd March 2022).
 - xii. Capacity building work shop for Both IEE and RECP methodology (21st June 2022).
- xiii. First meeting of the Project Investment Committee for approval of funds and eligibility criteria. (3rd August 2022).
- xiv. ECREEE awareness training for national experts and financial institutions, Kano (22nd - 26th August 2022).
- xv. ECREEE awareness creation, Port Harcourt (29th August - 7th Sept 2022).
- xvi. Media engagement in order to ensure the right information on the project is disseminated to the public.
- xvii. Other activities: - information on the attendance & gender participation in all activities including pictures and video evidences.
- xviii. The components that have been completed and those on going were also shown to the stakeholders.

The Project Management Unit identified the following challenges during the first-year implementation of the project as follows:

- Shortness of time allocated for project completion;
- Lack of clarity on the contract of the executing agencies;
- Slow pace of response from some executing agencies;
- Slow pace of preparation for activities tied to ECREEE;
- Late release of funds;
- Limited media/electronic publicity on the project;

- Limited personnel for the project
- Inadequate budget for activities.

The following recommendations were made by the PMU:

- The contract of implementing agencies should be made known to all stakeholders to facilitate smooth coordination;
- Encourage better collaboration between the PMU and implementing agencies; and
- ECREEE should speed up the procurement of international consultants to conduct the relevant trainings and finalise the project materials.

Resolutions

Following the issues raised by Committee members on the presentation by PMU, Mr. Banjo noted that both international and national experts are handling the project. He noted that the project is moving as expected and observed the need to improve on the technical aspects. He observed that UNIDO will consider the identified challenges as it concerns delay in allocation and early release of activity funds. He however, emphasized the need for more transparency in the management of funds as it is a major reason for the delay. He further informed the Committee that the National Cleaner Production Centres will be setup towards the end of the project in order to ensure the institutionalisation of the project in Nigeria. He justified the inclusion of ECREEE in the project noting that UNIDO being under the GEF 7 protocol cannot source and implement the project at the same time.

The Federal Ministry of Science and Technology (FMST) remarked on the sustainability of the project in the country at the end of the implementation. They suggested the need to linking the project with policies and guidelines that are very key and mandatory for industries and also ensuring that the project is implemented using technologies that are adaptable to the needs of the Country. In addition, the Project Management Unit identified the need for a social media handle in order to facilitate seamless dissemination of information and awareness to all stakeholders and the public. Consequently, the Committee made the following resolution:

- i. Increase in the number media houses for the project.
- ii. Training of Media personnel to ensure that the right information is disseminated.
- iii. Device means through which industries/companies can leverage on the activities of this project such as exhibition of products during workshops or meetings of the stakeholders.
- iv. Ensure that the use of resources (water, chemical, energy, etc) are acceptable by the industries and friendly to the environment.
- v. Review related policies, regulations and frameworks that are key to ensure the sustainability of the project.

4.0 PRESENTATION OF WORKPLAN

ECREEE

Below is the highlights of Year-Two Workplan as presented by ECREEE.:

- i. **Capacity Building:** Training of those who will be taking over from ECREEE once the training is done in order to strengthen Nigeria's Industrial system and Energy System.
- ii. **Awareness Creation:** Abuja, Lagos and Port Harcourt in collaboration with MAN.
- iii. **Developing a Support Materials/Packages:** These materials will be made readily available to be used through the assistance of UNIDO. It will also be done in collaboration with SON and MAN.
- iv. Meetings and Engagements with CEOs of industries in Lagos and Port Harcourt.

- v. Policy and Regulation Methodology Mapping in collaboration with IEE and RECP working groups.
- vi. **Development of Curriculum with Universities:** The selected universities will attend all the workshops and trainings in order to appreciate the vision of the project and be able to replicate the knowledge gained.
- vii. Engaging International experts to train the selected local experts, Industrial enterprises and consultancy-based institutions;
- viii. Training the Technical staff of industries by international consultants with the support of national experts.
- ix. Deploying two experts on IEE and RECP to industries/companies instead of one at a time.
- x. Capacity building and training for the relevant personnel the selected universities in the country.
- xi. Targeting seventy industries/companies for the project.
- xii. Developing training materials for financial institutions.

He finally noted that all activities for the next 2yrs are expected to end before July 2023.

RECP AND IEE Working Groups

Based on the earlier identified similarities in the activities of the IEE and RECP Working Groups during the progress report presentation, a joint workplan for the second phase of the project of the two working groups is highlighted as follows:

- i. Strengthening the national Industrial energy framework on IEE and RECP methodologies, policy and regulations
- ii. Developing frameworks/guidelines for accreditation of consultants to support the industries to uptake the methodologies under IEE and RECP.
- iii. Collaborating with ECREEE on Capacity building and documentation of experts for training.
- iv. Targeting 150 industries in Nigeria for data gathering and mapping.
- v. Using end-to-end feedback from the industries and signing and MOUs with industries to obtain their report on IEE & RECP implementation which will be forwarded to the committee for publication and reward purposes.
- vi. Extending Awareness workshops and data gathering to Ogun, Delta, Anambra and Abia States.
- vii. Developing database for industries mapping and data gathering and updating beyond the project life.
- viii. Training of policy makers and regulators in the previous selected states in order to address the gaps or requirements identified. This will also be done for the newly selected states.
- ix. Producing assessment report for the trained experts to ensure the training is valid or well done.

Project Management Unit

Below is the highlight for the MAN/PMU workplan for the year two contract of the project.

- i. Comprehensive assessment and analysis of reports of current status of industries in terms of baseline studies, gaps, minutes of meetings or engagements, and the activities of FMITI.
- ii. Supporting relevant working groups to ensure stakeholders workshops are properly coordinated including attendance, group photographs, reports, and attention to gender requirements of the project.
- iii. Reviewing meetings with industries that implemented the IEE and RECP methodologies and getting an MOU before presenting the reports.
- iv. Data gathering and mapping of industries.
- v. Engaging energy and environmental regulators with earlier identified gaps in previous year in order to build capacity and skills.

- vi. Producing assessment reports for the trained experts or officials.
- vii. Addressing the matter of financial issues through the involvement of FIMTI and BOI who have the mandates covering the selected areas of the project.
- viii. Facilitate training for specific officers that will oversee the project according to the project document.
- ix. Providing training materials in accordance with ISO 50001 standard and in collaboration with SON.
- x. Supporting ECREEE for the training of shortlisted candidates in the 4 zones of the selected states.
- xi. Supporting the development of curriculum for universities and engaging NUC on the approval of the process and final curriculum
- xii. Providing evidence of the implementation activities from all the project working groups.
- xiii. Showcasing industries that effectively deployed the methodologies as testimonies of the success of the project.

At the end of the presentations, the Committee directed that the IEE and RECP workplans should be shared with the PMU for harmonization. They also directed that the project document be reviewed to ascertain the feasibility of including Federal Ministry Finance and National Planning in the project.

5.0 VISIT TO UNIVERISTY OF ABUJA

On the first day of the meeting, the Committee visited Prof Abdul Rashid, the Vice Chancellor of University of Abuja and the Centre for Renewable Energy of the university headed by Prof. Rofiat Adeyemi. The University is one of the four institutions selected to domicile and run IEE & RECP courses based on the curricular that will be developed within the project. The visit is to consolidation the commitment of all stakeholders including the University on broad objective of the project.

Prof Abdul Rashid welcomed the Committee and expressed gratitude for the selection of the University of Abuja as one of the institutions for the project. He assured stakeholders that the institution is committed to the project and will provide all possible supports to ensure that the goals and objectives of the project are achieved. He observed that the institution has all the facilities needed for the project and is strategically located in the nation to ensure that the project receives all the support it needs. He assured that the environmental staff, legal personnel, and associate academics are committed to the project and are ready to provide any assistance when required.

Mr Yomi Banjo, who stood in for Mr. Jean Bakole, UNIDO Regional Director appreciated the university for anchoring the project and for the support that the university has been giving to the Project. He remarked that the University has a strategic location and the capacity for energy and environmental studies. UNIDO encouraged the universities to retain knowledge provided by the project in Nigeria at the end of the project implementation. He noted that the aim of the project is to develop the selected universities using the knowledge gained to run courses on IEE & RECP such that experts, industries and government institutions can access the Universities for trainings in order to acquire certifications endorsed by UNIDO. According to him, the certificates will accessible anywhere in the world. He noted further that the universities will provide their own expertise to complement the international experts during the project execution.

6.0 **CLOSING:** The meeting ended at about 1.00 pm after all items on the agenda were fully considered with a motion for adjournment upheld by all members of the Committee.