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Dear Colleagues,

Another year passed, we had experienced one of the busiest years with many tenders, new contracts and important assignments accomplishment. I am sure all these things have been taken all your working hours but now let's save some of your time to take a look back at the achievements that we have gained together. **Welcome to our second edition Newsletter of 2016.**

In this issue, I am so pleased to announce our good overall performance. The last two quarters of 2016 have marked the spectacular growth of CSU. We have decided to split CSU into separated division CSU1 and CSU2 to match with its rapid growth. EMS team has gained important milestones with its energy management projects, and Administration Unit continue providing solid support to the company's management activities.

We are looking forwards to great and fruitful developments in coming years.

Happy New Year

Cheers,

Nguyen Tuan Anh
Managing Director

CSU News

ADB- NAMA BHUTAN
WORLD BANK – DEP



NAMA proposal for Energy Efficiency in buildings in the Kingdom of Bhutan

NAMA proposal for Energy Efficiency in buildings in the Kingdom of Bhutan is part of ADB TA 8630 – Package IV. Promoting Clean Energy Development in Bhutan - F-004 Measurement, Reporting, and Verification (MRV) System. RCEE – NIRAS has joint the consortium led by NIRAS for the implementation of this project which commenced in June 2014.

This projects support the development of a NAMA in the Energy sector in Bhutan. It has been decided to prepare a NAMA proposal according to international standard within the energy sector in a format which could be presented to both national and international bodies for implementation support.

The building sector is a very inhomogeneous sector, with for instance different type of households, schools, hotels, shops, public administration etc. Due to limited data availability the challenge will be to set-up a proper baseline and cost estimates for recommended mitigation actions.

The objective of this NAMA Program is to examine the options for climate financing of the potential mitigation actions in the building sector in Bhutan. It clarify how mitigation actions can be scaled up and financed through NAMA mechanisms.

Final report on Project monitoring and evaluation, including GHG reductions under Distribution Efficiency Project

Under In June 2014, RCEE-NIRAS's Consultant was selected to carry out the Monitoring and Evaluation assignment related to the Distribution Efficiency Project (DEP) funded by the World Bank and Australia Government. The M&E Consultant was assigned on a part-time basis to the M&E task from May 2014 to the end June 2016.

RCEE has conducted final Evaluation Report providing ERAV and the World Bank with findings, ratings and recommendations based on desk review documents, interviews, site visits and several meetings with key stakeholders and the project implementation partners (EVN and PCs). The Evaluator presented the evaluation main findings to ERAV and PCs during the final TA DEP Evaluation Workshop held in Da Lat on June 3, 2016. Most of the comments were taken into consideration in preparing the Draft Final Report.

During project implementation, the Evaluator has experienced the excellent collaboration of all parties involved and the supports in regards to timely information sharing.



CSU News

World Bank – CPEE
AIT – LCTs in ASIAN

Under the Clean Production and Energy Efficiency Project (CPEE), a joint effort by the World Bank and Ministry of Industry and Trade, the consortium of RCEE – NIRAS and ENTERTEAM has been selected to conduct the assessment of energy efficiency saving potential in pulp and paper sector in Vietnam. The assignment has been carried in cooperation with the international consultant and provide inputs for the development of a proposal for energy efficiency action plan for Vietnam Pulp and Paper. Also, the assignment will include the technical guidelines for the draft circular on energy efficiency in pulp and paper.

Energy consumption in Vietnam paper facilities has varied, depending on different technologies, raw materials, product properties, etc. The Consultant has assessed the energy consumption situation in the pulp and paper sector through sector survey on energy consumption at factory level and through walk through audits at 20 selected pulp and paper factories. Based on the collected data, the Consultant team has developed the energy benchmarking for sub-sectors and developed the proposed energy efficiency scenarios as well as applicable energy saving measures in pulp and paper industry in Vietnam.

Limited access to financial resources was identified as one of the major barriers to the deployment of LCTs in Southeast Asian countries. Institute for Global Environmental Strategies and Asian Institute of Technology have been commissioned by Ministry of Environment, Japan to enhance the capacity of government agencies of Indonesia, the Philippines, and Vietnam to access international climate funding for developing LCT projects.

Under this effort, a training on Developing Project Proposals on Climate Change Mitigation was organized on 12-16 December, 2016 in Thailand for target country. In Vietnam, RCEE – NIRAS was selected to support AIT to coordinate a consultation mission in Vietnam with relevant stakeholders and to identify potential trainees. Also, a background paper has been developed by RCEE – NIRAS to summarize climate change related plans and policies in Vietnam, focusing on i) identifying LCTs that have been preferred by the national government for climate change mitigation projects, ii) understanding the climate finance landscape and the roles of different stakeholders involved in the development of climate mitigation projects.

Assessment of Energy saving potential and proposal for energy efficiency action plan for Vietnam pulp and paper industry

Promoting the transfer and deployment of low carbon technologies (LCTs) in selected Southeast Asian countries

CSU News

**WORKSHOPS
TRAINING PROGRAM**



**Workshop on
Improving energy
efficiency with
integrated ozone and
climate benefits**

The workshop has also involved participants from Lines Ministries, Institutions and Associations, Donors and international programmes, food processing enterprises, energy efficiency services providers

In the framework of Vietnam Energy Efficiency for Industrial Enterprises in Vietnam (VEEIE), the World Bank is supporting GDE/MOIT to implement the project: Strategic Sector Study and Subproject Pipeline Development for Improving Energy Efficiency with Integrated Ozone and Climate Benefits. The project aims to evaluate energy saving potential and develop the action plan for improving energy efficiency in food processing sector. The project also provides energy audits for selected food processing enterprises and develops a pipeline of energy efficiency investment projects applicable to VEEIE fund of a total 200 million USD.

After 12 months of implementation, on 23rd September 2016 RCEE-NIRAS has successfully organized the project final workshop in Hanoi Hilton Opera. The workshop was chaired by Mr. Trinh Quoc Vu, Director of Science Technology & Energy Efficiency Department, GDE/MOIT and Mr. Franz Gerner, Country Coordinator on Energy, World Bank for opening speech. Many interesting questions have been discussed during the workshop.

The purposes of this workshop are to discuss the results of the study, particularly on specific energy consumption and energy saving potential for some selected food processing sub-sectors, proposal for energy efficiency actions, GHG Emissions reduction from energy savings and HCFC reduction and HCFC avoidance and the pipeline to energy efficiency investment projects in the food processing industry.

**Training on Climate
Change Mitigation for
HCMC Officials**

The training was considered successful as the participants have expressed their satisfaction and confirmed that they have acquired useful knowledge for their works.

In order to enhance capacity of HCMC officials to plan and monitor climate change mitigation measures, RCEE – NIRAS, as the local consultant, has supported the international team to organize a training on climate change mitigation in Hochiminh City. This training program is a part of Project to Support the Planning and Implementation of NAMAs in an MRV Manner. The project is funded by JICA and managed by the Ministry of Natural Resources and Environment Vietnam.

The training has attracted the participation of nearly 80 participants from all HCMC organizations involved in SPI-NAMA Project (in GHG inventory or NAMA/MRV) as well as member organizations of HCMC Steering Committee on Climate Change. The training has enhanced understanding on: Policies of Vietnam on climate change mitigation, Causes and effects of climate change, GHG inventory, Concept of NAMA /climate change mitigation measures and MRV, Calculation methods on GHG emissions and emission reductions, and Planning for climate change mitigation and integrating climate change mitigation into sectoral/thematic polices and projects.



EMS News

LCEE- GIF

*Continuing the Green Investment Financing (GIF) program which is under the framework of the project "Low Carbon transition in Energy Efficiency (LCEE)" sponsored by the Danish International Development Agency (DANIDA), **NIRAS Vietnam provided expertise** for several projects in which the project of installing new biomass boiler at Hai Phuc Trading & Manufacturing Co., Ltd is one of the most outstanding project.*

In Sept 2016, RCEE- NIRAS – the technical service provider (TSP) has implemented the pre check program for the project of installing new biomass boiler at Hai Phuc Trading & Manufacturing Co., Ltd. The purpose of this program is to evaluate the current operation parameters of coal boiler and the deployment process of installing new biomass boiler.

Hai Phuc Trade & Manufacture Co., Ltd is located at Tam Tao village, Phu Lam Commune, Tien Du District, Bac Ninh Province, it's scopes of works includes manufacturing pulp, paper and paperboard. In near future, the company plans high increase in paper production so the steam demand will be increased accordingly. Due to the disadvantage of current boiler and high demand of heat, the company decided to stop current coal-fired boiler and selected Tri Viet Company to be the contractor to provide the saturated steam.

By installing the new boiler with fluidized bed technology of Tri Viet company, Hai Phuc company will have to completely replace all the fossil fuels (coal) to biomass fuels (sawdust). The new technology will help saving energy in production as well as reducing CO2 emission thanks to short Carbon life of biomass fuels, which is not counted into CO2 emission cycle causing GHG.

Through surveying programs and data verification, RCEE NIRAS experts confirmed the investor's current investment unchanged from initial investment proposal. To ensure the emission parameters within the allowable limitation prescribed, TSP recommends that the investors should install adsorption equipment.

Pre check program for the project of installing new biomass boiler at Hai phuc Trading & Manufacturing Co., Ltd.

EMS News

LCEE- GIF



Implementation of the Project of Low Carbon Transition in Energy Efficiency sector in Small and Medium Enterprises (SMEs)

Green Investment Facility (GIF) is the financial mechanism of the project "Low Carbon Transition in Energy Efficiency sector in Vietnam" (LCEE project), which promotes energy efficiency solutions in the brick, ceramic and food processing sectors and is supported by Danish Government.

RCEE-NIRAS participates in this project as the technical service provider (TSP). TSP has 02 main tasks including Appraisal at SMEs and Field Test of the implementation of energy efficiency solutions.

With Appraisal in SMEs, the main tasks of the TSP are (i) prediction of the factors that may affect the success of the implementation of the project; (ii) check and estimation of energy saving potential of the proposed energy efficiency projects, as well as check and adjustment of the investment items related to the investment in proposed energy efficiency solutions in order to ensure the reasonableness. After finishing the appraisal process, TSP completes Pre-check Report and send to AMU.

With Field Test of the implementation of energy efficiency solutions: After the energy efficiency solutions are deployed and gone into the operation in at least 800 working hours, TSP will perform Field Test and calculation of the real rate of energy saving/CO2 emission reduction when applying these solutions. After testing, TSP will complete the Post Check Report and send to AMU.

In 2016, RCEE-NIRAS has appraised 15 SMEs from Northern to Central Part and the energy efficiency solutions has been assessed include:

- Conversion from traditional coal fired kiln to LGP fired kiln;
- Conversion/Installation of biomass boiler which replaces boilers using fossil energy;
- Unfired brick manufacturing technology;
- Brick and tile manufacturing using Tunnel furnace system

Besides, in 2016, TSP has performed Field Test of the implementation of energy efficiency solutions for 16 SMEs. The results at SMEs after implementing these solutions are satisfactory. The rates of energy efficiency level/CO2 emission reduction of all solutions which have been tested reach from 20% to over 50%, equivalent to the received reward of GIF from 10% to 30%. It can be said that, the increase of the maximum limit of credit guarantees and compensation of energy saving of GIF program has encouraged SMEs putting much more effort in improving energy efficiency/CO2 emission reduction.

In the first half of 2017, the Project is expected to be finished, while there are still plenty of profiles of registered SMEs which need to be appraised and tested at field. It requires TSP to put more effort in order to complete the quite large workload in a short time. TSP will make further effort to ensure both quality and objectivity of each report.

**“With me, working for RCEE-NIRAS is a fate...”
Dat said**

“With me, working for RCEE-NIRAS is a fate. I had never thought that one day I would work in Energy Management field and gained the firm success as now. Before joining NIRAS Vietnam, I had 5 years working in IT field which is very different from what I am doing here.

I had a chance to cooperate with RCEE-NIRAS through some projects related to energy efficiency. Thanks to these co-works, I was offered to work as permanent staff here since 2010. At RCEE-NIRAS, I am in charge of managing the Energy Management Services Unit as well as coordinating the Energy Efficiency auditing program.

As we all know, persuading customers doing the en-audit program is not easy due to not much updated information about it’s benefits, thus the purpose of most enterprises is to comply with the government policy. It’s a real challenge, urging us to find the way to enhance the enterprise’s awareness, to focus on improving the energy audit reports’ quality, the energy efficiency solutions feasibility etc. We need to create the good effect, once a company realizes the en-audit program’s benefits, other companies would follow.

In our company, we have advantages in updating the latest knowledge, exchanging experiences with national/ international experts in different professional backgrounds. Especially, RCEE-NIRAS has solid foundation to join into any national and international projects. Personally, I think RCEE-NIRAS is fully converged the necessary and sufficient conditions for anyone who really wants to work and gain the success”.



Vu Tien Dat – EMS Unit Manager
He has been working for RCEE-NIRAS since April 2010

“Willing to take more opportunities to improve my professional skill as well as my role in the business activities of my company” My Hanh

“I had chosen accounting work by chance following one of my best friend to register to the faculty of Finance, at Phuong Dong university when I even had no idea about this kind of job at that time. After my graduation, I applied to RCEE-NIRAS Vietnam to work as an intern and luckily was chosen to work here as permanent staff then. Time flies, it has been 6 years working at this position at RCEE- NIRAS, and I found out that this job is very suitable with my character.

Working in the company which has a large scope of works such as Energy Efficiency, Environment, Green Growth etc., I have had many chances doing account works for many projects such as missions under the Vietnam National Energy Efficiency Program (VNEEP) which is coordinated by General Energy Department – Ministry of Industry and Trade, and many local & international projects, etc. Although I am not directly involved into technical researching and reporting but I contributed in accounting and financial aspect, which is also an important part of each project.

Now I am satisfied with my job and the professional working environment here. I am willing to take more opportunities to improve my professional skill as well as my role in the business activities of my company”.



Nguyen My Hanh
General account at RCEE-NIRAS

With the slogan "We listen, we learn, we deliver", it's not only applied to our customers, it's also applied to all staffs of the company. Please share your thoughts about RCEE-NIRAS, please let us listen to your voice and together we can build the professional working environment, contribute to the development of our company's business.

ADM News

Staff Corner

ADM News

General information



As the glue that hold all units of RCEE NIRAS, Admin team works closely with other teams in financial issues, logistic support, event organizing. During the last 6 months of the year 2016, beside operational daily tasks, admin team has successfully organized many fun & relaxing activities to enhance the team work spirit such as Summer outing at Quan Lan – Minh Chau Island, net-working event in October, the Union event on Christmas day at Ba vi mountain etc. Such retreats are always nice and good time that all staffs feel re-energized and stronger company internal bonds.

Lunar new year is coming, we are now preparing charity activities to bring a warm spring for poor pupils in highland.

NIRAS Vietnam (RCEE-NIRAS) is part of the NIRAS Group. The main company is NIRAS A/S with over 1200 employees. NIRAS A/S is a large international consulting engineering company with main office in Denmark. The company was founded in 1956 and since then has expanded through natural growth and acquisition of other companies. NIRAS today consist of 28 Business Units, specialized in Environmental Services, Climate Change and Energy, Water Supply and Treatment Management, and one Business Unit NIRAS International Consulting, which focuses on consulting services in the development aid sector. NIRAS has offices in 15 countries around the world.

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