



Department of Agriculture

**SUGAR REGULATORY ADMINISTRATION**

**2013 Annual Report**

## MANDATE

The legal mandate of SRA is embodied in Executive Order No. 18 dated May 28, 1986 creating the Sugar Regulatory Administration. It states that the policy of the State is to promote the growth & development of the sugar industry through greater participation of the private sector and to improve the working conditions of the laborers.

Further, Republic Act 9367 s. 2006 (Biofuels Act of 2006) mandated SRA, as member of the National Biofuel Board (NBB), to develop and implement policies supporting the Philippine Biofuels Program and ensure security of domestic sugar supply.

## VISION

*“An empowered government organization that ensures long-term viability, environmental sustainability and global competitiveness of Philippine sugarcane industries through greater and significant participation of the stakeholders.”*

## MISSION

*“To provide stakeholders of the Philippine sugarcane industries with pro-active and effective policies, regulatory, R&D and extension services.”*



---

## Table of Contents

<b><i>J. Message from the Administrator</i></b>	<b><i>VJJJ. Internal Audit</i></b>
<b><i>JJ. 2013 Proudest Achievements</i></b>	<b><i>JX. Planning &amp; Policy Department</i></b>
<b><i>JJJ. Highlights of Accomplishments</i></b>	<b><i>X. Legal Department</i></b>
<b><i>JV. Social Amelioration Program Sugar Tripartite Council 2013 Major Accomplishments</i></b>	<b><i>XJ. Administrative and Finance - Luzon &amp; Mindanao</i></b>
<b><i>V. Research Development &amp; Extension</i></b>	<b><i>XJJ. Office of the Asst. Administrator - Visayas</i></b>
<b><i>VJ. Regulations Dept - Luzon &amp; Mindanao</i></b>	<b><i>XJJJ. Administrative and Finance - Visayas</i></b>
<b><i>VJJ. Regulation Dept - Visayas</i></b>	<b><i>XJV. GAD</i></b>
	<b><i>XV. Annexes</i></b>

## 2013 Proudest Achievements

### 1. Maintained planters' and millers' profitability in sugar production at a price fair to consumers.

The Sugar Regulatory Administration, through the promulgation by the Sugar Board of appropriate sugar production allocation policies, has maintained the profitability of the producers and stabilized sugar prices both in the millsite and retail market despite its record high production of 2.465 million metric tons after 36 cropping seasons. From January 2013 to December 2013, domestic raw sugar millsite prices ranged from P 1,337 – 1,465 per 50-kilo bag while composite price was P 1,237 - 1,373 per 50-kilo bag which was still profitable for the producers. Wholesale prices of raw sugar ranged from P1,400 -1,700 per 50-kilo bag while retail price of raw and refined sugar ranged from P38 - P44 and P47 - P50 per kilo, respectively. The retail price of refined sugar was still within the suggested retail price of P50 per kilo.

### 2. Effective enforcement of SRA regulations through the strict but transparent implementation of the SRA Codified Book of Penalties leading to improved collection of fees and penalties.

### 3. Operationalized 22 block farms in 2013

SRA through its convergence initiative with DAR and DA has operationalized 22 block farms in 2013 versus the 6 block farms operationalized in 2012. The four block farms in Batangas during its first crop year of operationalization as block farms showed improvements in farm productivity because of SRA's technical assistance and support in matching their needs on land preparation and planting materials with the Mill District Development Council as provider and logistical needs with the sugar mills:

*Lucban Block Farm – from 37 TC / Ha to 48.27 TC/Ha*  
*Kamahari Block farm – from 43 TC/Ha to 48.72 TC/Ha*  
*Damba Block Farm – from 41 TC / Ha to 45.42 TC/Ha*  
*Prenza Block Farm – from 50 TC/ Ha to 55 TC/Ha*

### 4. Bioethanol production has increased by 125% in 2013

Through SRA's active participation in the policy-making process of the National Biofuel Board (NBB) and firm policy support to bioethanol production from sugarcane and molasses, investors confidence in the government has improved and stimulated their capability to produce more bioethanol from 32 million liters in 2012 to 72 million liters in 2013.

### 5. Stimulated mill improvements, power generation and product diversification initiatives through SRA's advocacy and information campaign to shield the industry with the effect of full trade liberalization under the Asean Economic Community (AEC).

### 6. Strengthened convergence with other government agencies like the DAR, DOLE, DOST, PRC, UPLB, DTI, TESDA, DOE and others

- ◆ DAR allocated more than P36 million for the block farm program
- ◆ DOLE contributed P14 million pesos for the sugarcane workers in the Yolanda-stricken areas and currently preparing the HRD plan for the sugarcane workers
- ◆ DOST PCAARRD and PCIEERD on sugarcane genomics project and energy audit of sugar mills
- ◆ UPLB for the SRA scholarship program
- ◆ PRC & TESDA for technical experts and accreditation of the SRA training program called "Outreach Program for the Sugarcane Industry – OPSI"
- ◆ DOE support for the biofuels and power generation initiatives of the industry
- ◆ DTI for support in investments for bioethanol, power generation and mill improvement investments

## Highlights of accomplishments



### SRA Awards Certificates to Maiden Batch of Undergraduate Scholars

In a tie-up with the University of the Philippines Los Baños, the Sugar Regulatory Administration formally kicked off its Scholarship Study and Fellowship Program on July 17, 2013. The monumental affair witnessed the agency's official awarding of certificates to its maiden batch of undergraduate scholars held at the UPLB's Office of the Students' Affair Auditorium.

During the official program, Dr. Oscar B. Zamora (Vice Chancellor, OVCAA, UPLB) made the opening remarks while Dr. Rex Victor O. Cruz (UPLB Chancellor) delivered a heartfelt message which inspired the scholars. SRA Board Member Pablito Sandoval also had words of wisdom directed to both the scholars and their parents, citing that it was one rare life-changing opportunity, and Deputy Administrator Aida Ignacio encouraged the scholars to join SRA in the future.

Administrator Regina Bautista-Martin presented an overview of the SRA's graduate and undergraduate scholarships for a better and clearer understanding of everyone. According to the gracious lady administrator, the main targets of the SRA scholarship are the underprivileged but deserving students; those who are natural-born Filipino citizens with no pending application for immigration in any foreign land and preferably, dependents of the sugarcane industry. She stressed that the prime goal of this undertaking is to promote and sustain a strong agricultural and industrial research and development program which will propel the Philippine sugar industry to stability and competitiveness in the coming years.

The scholarship is expected to provide the sugarcane industry with a highly qualified and competent technical and extension workforce in the fields of Chemical Engineering - Sugar Technology, Agriculture, Agricultural Engineering, Chemistry and Agricultural Extension, who can strengthen the scientific, technological and outreach programs / activities of both the agricultural and industrial sectors of the sugarcane industry.

Under this scholarship, SRA will provide financial assistance, benefits and other privileges to the chosen scholars (tuition/miscellaneous fees and allowances for: book, clothing, transportation, medical, subsistence, thesis / dissertation, laptop and graduation). As a payback, the scholars will render a return service to the agency for a specific length of time.

Adm. Martin, along with Drs. Cruz and Zamora led the awarding of certificates to the eight privileged scholars who comprise the first batch from the undergraduate level. They are as follows: Anne Kristine E. Dilay (Bachelor of Science in Statistics); Laurence Adrian C. Marave (Bachelor of Science in Chemistry); Kevin Martin C. Faltado (Bachelor of Science in Chemical Engineering); Don Van Karl DC Israel (Bachelor of Science in Chemical Engineering); Janina Gaile M. Palad (Bachelor of Science in Agriculture Bio-Systems Engineering); Jessica Mae M. Mora (Bachelor of Science in Agriculture Bio Technology); Ma. Kenneth Lane R. Suplito (Bachelor of Science in Agriculture); and Rose Diane A. Locaba (Bachelor of Science in Agriculture).

Speaking in behalf of her fellow scholars, Anne Kristine E. Dilay extended her gratitude to both SRA and UPLB for the golden opportunity, faith and confidence given to them. She promised that they would do their best in order to meet the high expectations and eventually, be of service to the sugarcane industry as its new blood.

Dr. Leticia E. Afuang (Director, OSA) rendered the closing remarks with the burning hope that this noble and worthwhile undertaking will just be the start of more successful projects on SRA's end and the Philippine Sugar Industry as a whole.

## Administrator's Activities

### Signing of Interim Performance Scorecard of the Sugar Regulatory Administration

Administrator Ma. Regina Bautista-Martin together with Commissioner Rainier B. Butalid of the Office of the President, Governance Commission for Government Owned or Controlled Corporations and Sugar Board Members Hon. Atty. Jesus Barrera (Miller's Representative) and Hon. Pablito Sandoval (Planter's Representative), and Usec. Segfredo Serrano (Undersecretary for Policy and Planning, Research and Development and Regulations) signed the Interim Performance scorecard of the Sugar Regulatory Administration (SRA) for the year 2013-2014 on August 27, 2013.



### Three Fiji Events Graced by Administrator Martin

On June 3-7, 2013, Administrator Regina Bautista-Martin flew to Fiji as head of the Philippine delegation which attended three important events there namely, the 22<sup>nd</sup> ISO International Seminar, 41<sup>st</sup> MECAS Meeting and the 43<sup>rd</sup> Session of the International Sugar Council. Together with her in the official trip are SRA's Jose Rojo G. Alisla and Francisco Varua of the PSMA.

No less than Fijian Premiere Commodore Josaia Voreqe Bainimarama rendered the welcome remarks before the participants to the five-day event. He mentioned their appeal to the European Commission to extend the sugar program which gives preferential tariffs to nations like Fiji, which exports to the EU.

For the first stop of the series of events which was the ISO International seminar, eight interesting topics were presented, majority of which highlighted the current situation of the Fijian sugar industry, like the government's strategic plans to address the steady decline in production that includes providing subsidies and support. Strategies to achieve the Fijian sugar industry's goals in 2020 were also discussed, which is somewhat similar to the Philippines' basic product diversification scheme. Interestingly, some of the programs discussed are already being implemented in the Philippines at present.

Trade related issues were also touched, in which countries with preferential tariffs to the EU are threatened by its possible scrapping in 2016 although negotiations are still being done for its extension. Regional market prospects were cited as well since there is a growing demand for sugar in Asia at this point. It's good that sugar-producing countries in the region expressed their readiness to address the present and future demands. In the said seminar, the good relationship between Fiji and India was revealed and it has grown stronger especially in the areas of technology sharing, investments and other aspects.



The MECAS (Market Evaluation Consumption and Statistics Committee) meeting was the group's next stop. Topics tackled were: "The Market Situation and Outlook for Crop Year 2012-13"; "The Future Role of Sub-Saharan Africa in Sugar and Sugar Crop Renewable Energy"; "International Surveys on Prices of Sugar / Sugar Beet and Competing Crops" and "Climate Change and Sugar Crops."

The last leg of the group's trip was at the 43<sup>rd</sup> Session of the International Sugar Council where one major topic discussed was the process of choosing the next ISO Executive Director with the retirement of Mr. Peter Baron. After some deliberation, the selection and voting process was approved. The final voting will take place in October through a special meeting to be staged in London.

# Administrator's Activities

## SRA Administrator Martin Travels to the US to Support US Farm Bill

Administrator Regina Bautista-Martin flew to the United States on May 4-10, 2013 to join the Philippine delegation in expressing support to the US Farm Bill, particularly on its sugar program component that should extend for another five years and provide for the Philippine quota of 13.5% from the total volume each year.

The group met with three congressional offices in which they indicated strong support for the renewal of the sugar program, ditto with the senior staff of the US House Committee on Agriculture, the US Trade Representative's Office and the US Department of Agriculture. In the process, the RP delegation was able to obtain positive positions and encouraging insights on the prospects of continued trade with the US.

One important phase of the trip was the delegation's meeting with the US Department of Labor which tackled the status of the \$15 M Anti-Child Labor Project in RP's sugarcane areas which is funded by the latter.

USDOL officials are actually interested on the social amelioration program being implemented by the Philippine sugar industry which assists laborers through mandatory liens collected from each bag of sugar produced. Administrator Martin, in behalf of the Philippine delegation assured to provide more salient information about the program.

## Administrator Martin Speaks at World Sugar Conference in Myanmar

Administrator Regina Bautista-Martin travelled to Myanmar on April 28-30, 2013 to speak at the 9<sup>th</sup> Sugar World Asia Conference held at the Park Royal Hotel in Yangon. Her topic was "Ethanol Developments in the Philippines."

The conference, organized by the Centre for Management Technology (CMT) highlighted the developments of the sugar industry in Myanmar. It is interesting to note that even if they are producing smaller as compared to the Philippines, Myanmar exports 100,000 metric tons to Europe because of its preferential quota and low per capita income of sugar at six kilos per annum. However, it is projected that as the economy of the country betters, consumption will increase. This means that to maintain its export market, more sugar must be produced and this gets a big push from the Myanmar government at present.

Thailand and Indonesia also made meaningful presentations on their sugar situation and developments which provided the RP delegation some helpful insights in crafting future policies for both its sugar and ethanol industries. With the demand increasing in Asia and the global production capacity not able to cope in the long term, the market will seemingly recover sooner than expected, which is a good scenario for the Philippines as long as it produces sugar at competitive production costs.

Interestingly, after the Philippines made its presentations (one on sugar by Administrator Martin and another on ethanol by Mr. Jose Rojo Alisla, Executive Assistant V), a Myanmar official expressed interest in learning more on how the country manages its sugar and ethanol programs.

## Administrator Martin Meets with Pensumil MDDC Officers

Administrator Ma. Regina Bautista-Martin recently met with Pensumil MDDC officers and SRA personnel during her two-day trip to Legaspi City on January 30-31, 2013 for the National Management Committee (MANCOM) meeting of the Department of Agriculture and its attached agencies.

As the officers expressed their concerns on the current plight of the Pensumil district being one with the lowest productivity, the gracious lady administrator lifted their spirits by her optimism and suggested several strategies to improve production. She pointed out the MDDC's role in addressing the situation by strengthening its organization, engaging in pooling of resources to provide better services to the members and encouraging fellow planters to become more efficient. She also explained the concept of block farming and its benefits.

The MDDC officers were very grateful for the amiable SRA head's sincerity in helping the planters especially when she promised to provide a chemist to the Pensumil district during milling season.

## Administrator Martin Supports Elimination of Child Labor in the Batangas Mill District

Administrator Ma. Regina Bautista-Martin recently signed a commitment of support to the campaign of eliminating child labor in the Batangas mill district.

Prior to this, the Department of Labor and Employment (DOLE)-Batangas Provincial Office came up with a Voluntary Code of Conduct on the Elimination of Child Labor in the Sugar Industry in the mill districts of CADP and BSCI.

The Code provides guidelines in fighting and erasing the prevalence of child labor in the province. It also serves as a framework for advocacy by the government institutions, sugarcane planters/farmers, crop inspectors, sugarcane workers, parents, educators, barangay councils, BCPC, children and communities as a whole in the withdrawal of child laborers and prevention of children-at-risk in becoming such.

The signing took place during the project's official launch on February 19, 2013 at the Via Athena Restaurant in Luntal, Tuy, Batangas where Adm. Martin was one of the distinct guests and speakers.

Interestingly, it was the Bukidnon district which initially adopted and launched the said Voluntary Code of Conduct on May 2012. Many hope that with this move, all of the country's milling districts will follow suit in an attempt to guard and protect the welfare of children 18 years and below.

# *Social Amelioration Program*

## *Sugar Tripartite Council*

### *2013 Major Accomplishments*

#### **Policy Formulation:**

- Prepared MOA between DOLE and LBP for the opening of new account for Social Amelioration and Welfare Program (SAWP).
- Prepared MOA between and among DOLE, DOF, DOE, PCA and SRA for a framework of inter-agency cooperation and coordination for the implementation of SAWP.
- Project Proposal for the conduct of seminar on SAWP Implementors.
- Project Proposal for a meeting with Region II and VI on SAWP for bioethanol sector and policy discussion on Social Amelioration Program in the sugar industry.

#### **Meetings Conducted:**

- Meeting with concerned NGAs on the development of Sugarcane Industry Human Resource Development Road Map.
- Consultation meeting on the draft guidelines on the implementation of educational assistance program technical-vocational training for the sugar workers and their families.
- Consultation meeting with officers and members of the Pagkakaisa Ng Manggagawang Bukid sa Tubuhan (PAMATU) on implementation of livelihood projects for the sugar workers.
- Facilitated the conduct of Joint DOLE regional offices II and VI consultation meeting on SAWP for workers in the Bioethanol Sector and policy discussion on Social Amelioration Program.
- Joint Consultation meeting with Regions II and VI on SAWP and policy discussion on SAP in the sugar industry. The DOLE-Reinvest Cash Bonus for Alternative Production Program was presented in this meeting.
- The technical secretariat support provided to the Sugar Tripartite Council (STC) Two (2) regular meetings, two (2) special meetings, two(2) execom meetings and five(5) policy review committee meetings which resulted in the approval of seven (7) resolutions .

#### **Program Monitoring And Technical Supervision:**

- SAP liens
- Cash Bonus Program
- Sugar Workers Maternity and Death Benefit Reserve Fund of DOLE-ROs

#### **Socio-Economic Projects:**

- Released the amount of Php. 24,611,594.45 to implement various socio-economic projects for sugar workers and their family.
- Facilitated the initial released of 50% out of approved allocation of 32.24M under the 9% Socio-Economic Fund (SEPF) for the education, technical vocational skills for sugar workers and their family.

#### **Review The Following Program Proposals:**

- Sugar Industry Foundation, Inc. (SIFI) for the continued implementation of Socio-Economic Projects for sugar workers and their family (22.668M budget).
- National Federation of Sugarcane Planters ,Inc. (NFSP) for the continued implementation of Socio-Economic Development Program (3.850M budget).
- United Sugar Producers Federation of the Philippines (UNIFED) for the implementation of its Sugar Workers Educational Assistance Program (5.726M budget).
- Project "Lugaw" a school feeding program for the child laborers in the sugar industry by District Tripartite Council (DTC) of Ormoc-Kalingan Mill District in cooperation with the Montebello Elementary School (Php.50,000 budget).
- Provisions of Skills Training to children of Migratory Sugar Workers for Employment of DOLE regional office VI for 10 child workers (Php.100,000 budget).
- I-SERVE Sacadas Scholarship Project submitted by DOLE Region VI for 15 children of sugar migratory workers from Toboso, Negros Occidental (Php.762,800 budget).

# Research, Development & Extension

For 2013, the highlights of RDE accomplishments are focused on SRA's flagship programs and projects on:

## 1. **The Sugarcane Convergence Program (Block Farming).**

The program aims to consolidate small farms (less than or equal to 10 hectares) to a more manageable area of at least 30-50 hectares to increase productivity and income of farmers. The program is a collaboration among the different government agencies in preparation for the 2015 Asean Tariff Reduction.

## 2. **Crop Estimation.**

The key to industry regulation is the correct and timely broadcast of the available sugar expected of the current crop to assist decision makers in crafting policies for the industry. The program is of a three - year spread consisting of several sub-activities:

- Installation of Weather Stations in every milling district
- Hiring of Mill District Surveyors and Data Encoders to assist in the estimation
- Digitization of Mill District Maps

## 3. **Energy Efficiency and Conservation Project (Energy Audit.)**

The project is conducted jointly with the private sector with the objective of identifying energy conservation technologies which could be adapted by the milling sector to establish their potentials for electric power cogeneration. The venture expands the revenue generation base of the factories to enable them to compete against the effects of the 2015 Tariff Reduction for Sugar.

## AGRICULTURAL RESEARCH AND DEVELOPMENT

SRA has two (2) operational agricultural research stations : Luzon Agricultural Research and Extension Center (LAREC) located in Pampanga and La Granja Agricultural Research and Extension Center (LGAREC) in Negros Occidental which undertake research and development studies on sugarcane farming. The RDE generates, verifies and recommends effective technologies that will increase the yield and profitability of cane farmers.

The research stations in LAREC and LGAREC completed twenty-four (24) research projects, twenty-eight are still on-going and ten (10) were laid-out for the year.

## LUZON AGRICULTURAL RESEARCH & EXTENSION CENTER

### **Significant Findings on Variety Tests :**

- Ten clones from the Preliminary yield test of Phil 2008 series recommended to undergo ecological test are: Phil 08-0909, Phil 08-1253, Phil 08-1123, Phil 08-1891, Phil 08-0553, Phil 08-1957, Phil 08-0747, Phil 08-0649, Phil 08-1307 and Phil 08-1231.

- Phil 2007 series clones which showed resistant reaction to sugarcane smut were: five very highly resistant (Phil 07-0021, 07-0423, 07-0573, 07-2319 and 07-0563), two highly resistant (Phil 07-0059, and 07-0355), five resistant (Phil 07-0025, 07-0099, 07-0241, 07-0415 and 07-0055) and seven intermediate resistant (Phil 07-0119, 07-0243, 07-0253, 07-0299, 07-0279, 07-0411, and 07-2203).
- Clones from Phil 2005-2006 series and Phil 02-0421 with showed resistant reaction to sugarcane downy mildew were: six very highly resistant (Phil 05-0315, 05-2057, 05-2191, 05-2335, 05-2585 and 02-0421), three highly resistant (Phil 06-0647, 05-1763, and 05-2527 and one resistant (Phil 05-1681).
- In the 2005 Ecological Test, Phil 05-0055 and Phil 05-0483 which showed better performance against the check varieties and with very highly resistance reaction to smut and downy mildew are recommended for release.

### **Significant Findings on Production Technology & Cultural Management (PTCM) Projects:**

- There was no interaction between Variety (Phil 7544, 991793 and Phil 00-2569) and Age of harvest (11, 12, 13 and 14 months after planting) when planted in February 2012 (late planting) in organically (vermi-compost and chicken manure)-fertilized soil. Variety and age of harvest means for TC/Ha and Lkg/Ha were significantly different with Phil 99-1793 and 12 MAP age as highest while LKg/TC means were comparable.
- In the test for ratoon performance of selected Phil 2004 series varieties, results showed that Phil 04-0081 had an ROI of 3.0 in the first ratoon and an ROI of 2.01 in the second ratoon at 76.84% survival rate. Phil 04-0081 is profitable to maintain up to the second ratoon.

## LA GRANJA AGRICULTURAL RESEARCH & EXTENSION CENTER

### **Significant Findings in the Commercial Hybrid Production Program :**

- The Phil 2012 Series Breeding Program produced 331 arrows from 256 bi-parental crosses using 85 female and 76 male selected parents.
- In the Single Seedling Pilot Test for Phil 2011 Series, 912



## Research, Development & Extension

promising clones from 147 bi-parental crosses were selected as entries to the Row Test.

- In the Row Test for Phil 2010 series, 255 promising clones from 131 crosses were selected, propagated under Multiplication I and tested for smut. Two hundred four (204) clones were found resistant to the disease. One hundred ninety seven (197) clones were propagated under Multiplication II and tested for downy mildew.
- For Phil 2009 series, 199 clones out of 201 clones tested were found resistant to downy mildew and recommended for further multiplication and testing. The top 30 clones were considered entries to the Preliminary Yield Test, further propagated, verified for reaction to smut and simultaneously screened for leaf scorch and yellow spot diseases.
- For Phil 2008 series, smut test at PYT stage showed that 24 clones in the plant cane and 23 clones in the ratoon rated resistant to the disease; 10 clones were resistant to yellow spot and 28 clones were resistant to leaf scorch.
- The following selected clones from the Preliminary Yield Test for Phil 2008 Series were considered as entries to the Ecologic Test; Phil 08-06-0033, Phil 08-17-0161, Phil 08-55-0553, Phil 08-79-0747, Phil 08-88-0909, Phil 08-93-1009, Phil 08-105-1231, Phil 08 108-1307, Phil 08-108-1327 and Phil 08-109-1355.
- In the Ecologic Test Phil 2006 Series, Phil 2006-1899 gained over the two controls without incurring losses in tonnage and sugar yields. Phil 2006-2289 gave even scores for sucrose content. Phil 2006-1899 is high in tonnage, medium to high sucrose content and a sparse flowering variety. Phil 2006-2289 is medium to high in tonnage, high in sucrose content and a very sparse flowering variety. The two varieties are resistant to smut, downy mildew and leaf scorch, *Phil 2006-1899 and Phil 2006-2289 are recommended for further evaluation by the Variety Committee.*
- One thousand two hundred ninety seven (1,297) sugarcane accessions were planted in the Germplasm Collection as of October 2013. Eight (8) new accessions came from the Ecologic Test Phil 2006 project. Eight hundred twenty one (821) clones/varieties were partially characterized according to number of millable stalks, brix reading and stalk diameter.
- **Other significant accomplishments:** The VIPM Staff acted as resource persons in stakeholders', planters' and farmers' seminars; actively participated in various technical meetings, fora, conventions, trainings / workshops; conducted 2 field visits

including referred problems on sugarcane varieties, pest and disease control; attended TO 27 referred problems of SRA's clients; effected information dissemination to a total of 222 visitors (students and block farm project participants).

- Presented a paper entitled: “**Ecologic Test of Phil 2005 Series Sugarcane Varieties in Negros and Panay Island**” during the **SRA In-House Review (May 22-23, 2013).**

The production technology generation program focused on the utilization of beneficial micro-organisms, organic materials and other alternative fertilizer sources to reduce cost in cane growing. Six (6) projects were completed and four (4) are on-going.

### **Significant Findings in Production Technology Generation:**

- Phil 2000-2569 and Phil 99-1793 ratoon applied with acetobacter gave higher average sugar yields ranging from 107.15 to 111.45 LKg/ha compared with the control with 100.59LKg/Ha.

Regardless of volumes and frequencies of acetobacter application, Phil 2000-2569 ratoon gave higher yield (130.7 LKg/Ha.) than Phil 99-1793 ratoon (92.5 LKg/Ha.) obtained when applied 1 and 2 MAR and 1, 2 and 3 MAR respectively. The lowest sugar yield on both varieties was on the control without acetobacter. Phil 2000-2569 ratoon average mean sugar yield of 126.85 LKg/Ha. was significantly higher than Phil 99-1793 with 88.33 LKg/Ha., the sugar yield difference was 38.52 LKg/Ha.

Phil 99-1793 ratoon, mean sugar yield of acetobacter treated canes ranging from 110.15 to 119.35 LKg/Ha. was higher than the untreated (103.52 LKg/ha) however statistically comparable.

Similar with the plant cane, higher tonnage of Phil 2000-2569 ratoon compared with Phil 99-1793 was due to more number of millable stalks of the former variety.

- Phil 99-1793 ratoon applied with mudpress gave higher sugar yield than without mudpress with differences of 6.44 LKg/Ha. Ratoon sugar yield difference between acetobacter and untreated was 7.62 LKg/Ha.; 15.84 LKg/Ha.; 7.97 LKg/Ha.; 6.63 LKg/Ha. for strain 10069, strain 10071, strain 10078 and strain 10081 respectively.

## Research, Development & Extension

Strain 10071 gave the highest mean tonnage of 53.17 TC/Ha. statistically comparable with strain 10078 (49.55 TC/Ha., strain 10069 (49.79TC/Ha. and strain 10081 (49.28 TC/Ha.) and the control (56.04TC/Ha.).

Mudpress in combination with the different strains gave significantly higher tonnage mean than without mudpress (50.976TC/Ha. against 48.28TC/Ha.). Highest average net benefit of Php 56,686.26 was obtained with acetobacter diazotrophicus (strain 10071) application. The net benefit difference over the control was Php 15,400.08. Highest net benefit of PhP 56,686.26 was obtained with Acetobacter diazotrophicus (strain 10071) application. The net benefit difference over the control was PhP 15,400.08.

- Phil 2000-2569 ratoon applied with mycorrhiza gave higher sugar yield (161.56 LKg/ha.) than without mycorrhiza (154.31LKg/Ha.) The difference was 7.25LKg/Ha. Among the different strains 10071 gave the higher sugar yield of 163.13 LKg/ha when combined with mycorrhiza. Similarly without mycorrhiza strain 10071 still gave the highest yield (159.37 LKg/Ha.).

Tonnage of Phil 2000-2569 ratoon applied with mycorrhiza was higher (81.65/Ha.) than without mycorrhiza (76.81TC/Ha.). The difference was 4.84TC/Ha. Strain 10071 consistently gave the highest mean tonnage yield of 79.77TC/Ha. Similar with plant cane, mycorrhiza plus the mixture of the four strains gave comparable yield with the single strain.

Improvement of sugar yield and tonnage yield of Phil 2000-2569 with the application of mycorrhiza and BNFs was due to improvement of the yield parameters such as stalk length, diameter and weight per stalk as well as the number of millable stalks.

Among the combinations of mycorrhiza and BNF strains, highest net benefit of Php 99,471.72 was obtained on strain 10071.

- Rock phosphate from different sources in Negros Occidental containing different total percentages of  $P_2O_5$  applied to sugarcane ratoon as source of P fertilizer gave comparable results with either 18-46-0 or 16-20-0 in terms of TC/ha, LKg/TC and LKg/ha.
- Phil 99-1793 applied with either recommended rate of NPK of 1/2NP + full K + mycorrhiza gave significantly higher tonnage (119.68TC/ha) and mean sugar (267.99LKg/ha) than without mycorrhiza (112.11TC/ha) and 251.44 LKg/ha with a difference of 7.57 TC/ha and 16.55 LKg/ha. On the other hand, BNFs combined with  $\frac{1}{2}$  NP and full of K gave higher tonnage than

cane with the same fertilizer treatments without BNF. Among the different BNFs strain 10076 gave the highest sugar yield with or without mycorrhiza.

Higher tonnage and sugar yield of Phil 99-1793 with the application of mycorrhiza and BNFs was due to improvement of the yield parameters such as length, diameter and weight per stalk as well as the number of millable stalks.

- Phil 99-1793, Phil 2000-0791, Phil 2000-2569, Phil 2001-0295 and Phil 2002-0359 first ratoon showed that tonnage, sugar rendement and sugar yield were significantly different. Phil 2000-0791 exhibited the highest cane tonnage (103.43TC/ha) and sugar yield (231.73 LKg/ha) than the other test varieties. Phil 2000-2569 ranked second in cane tonnage (98.16TC/ha) and sugar yield (214.44 LKg/ha) Phil 99-1793 (93.59TC/ha, 211.45LKg/ha), Phil 2002-0359 (83.49TC/ha, 193.87LKg/ha) while Phil 2001-0295 gave the lowest cane tonnage and sugar yield (66.48TC/ha, 136.04 LKg/ha).

Phil 2002-0359 significantly gave the highest sucrose content of 2.32 LKg/TC, comparable with Phil 2000-0791 (2.25LKg/TC), Phil 2000-2569 (2.18 LKg/TC) and Phil 99-1793 (2.26 LKg/TC and significantly higher than Phil 2001-0295 (2.06LKg/TC).

- Phil 99-1793 ratoon sugar yield was higher when NEB coated with urea was used instead of ordinary urea. Yield of NEB coated urea ranged from 263.75 to 302.75 LKg/ha while yield of ordinary urea range from 266.75 to 287.39 LKg/ha. Ordinary urea + mycoplex gave a sugar yield ranging from 275 LKg/ha to 293.70 LKg/ha.

Highest difference in sugar yield and tonnage was 25.23 LKg/ha and 9.09TC/ha respectively in NEB coated urea (145 Kg N/ha) against ordinary urea (145 Kg N/ha).

Sugar yield improvement of 11.24 LKg/ha was obtained on urea (145 Kg N/ha) in combination with mycoplex compared with urea alone at the same rate.

Tonnage of Phil 99-1793 ratoon with NEB coated urea ranged from 109.25 to 122.92TC/ha, while ordinary urea gave 107.03 to 117.06 TC/ha. Urea in combination with mycoplex gave 111.83 to 118.48TC/ha.

# Research, Development & Extension

## COMPLETED PROJECTS (LAREC)

1. Performance of Selected Phil 2005 Series in Luzon and Mindanao (Pampanga, Don Pedro, Pansumil, Carsumco, Bukidnon, Davao)
2. Preliminary Yield Test of Phil 2008 Series
3. Screening of Phil 2007 series for Resistance to Smut
4. Variety X Age of Harvest of Organically Fertilized Sugarcane
5. Screening of Phil 2006 series for Resistance to Downey Mildew
6. Ratoon Performance - 2004 series

## COMPLETED PROJECTS (LGAREC)

1. Response of Sugarcane to *Acetobacter diazotrophicus* applied in different volumes & frequencies (PTCM)
2. Effect of Mycorrhiza and BNF on the Growth and Yield of Sugarcane
3. Performance of Five (5) Sugarcane High Yielding Varieties to Poorly Drained Soils (PTCM)
4. Effect of NSN and Avail (Enhancers of N and P) on the Growth and Yield of Phil 99-1793 RATOON (PTCM)
5. Effect of Reduced Cultivation Practices on Growth and Yield of Phil 2000-2569, (PTCM)
6. Response of Phil 99-1793 to Inoculation of Different strains of *Acetobacter diazotrophicus* with or without Mudpress (PTCM)
7. Row Test Phil 2010 series (VIPM)
8. Smut Resistance Test Phil 2008 series (VIPM)
9. Yellow Spot Resistance Test Phil 2008 series (VIPM)
10. Leaf Scorch Resistance Test Phil 2008 series (VIPM)
11. Response of Sugarcane to *Acetobacter diazotrophicus* applied in different volumes & frequencies (ratoon cane) (PTCM)
12. Response of Phil 99-1793 to Inoculation of Different strains of *Acetobacter diazotrophicus* with or without Mudpress (1st Ratoon cane) (PTCM)
13. Pollination, Sowing and Seedling Care, Phil 2012 series
14. Downey Mildew Resistance Test, Phil 2009 series
15. Propagation 1 - Phil 2009, Phil 2012 series
16. SVIPM Germ Plasm collection, characterization and maintenance
17. Mass production of Trichogramma strips for the control of borers
18. Sugarcane Disease garden as source of Inocula for resistance studies.

## PRODUCTION SUPPORT SERVICES

**HYV Distribution.** The total number of planting materials (canepoints and plantlets) distributed in LAREC and LGAREC was 6,333,047 pieces benefitting 241 farmers. LAREC distributed a total of 1,239,685 canepoints to sixty-six (66) cane farmers, associations/cooperatives, MDDCs and individual planters. The varieties distributed are Phil 99-1793, Phil 7544 and Phil 00-2569.

LGAREC in Negros Occidental distributed 4,976,900 canepoints to 56 cane farmers. The varieties distributed are Phil 99-1793 which obtained the highest percentage in the distribution at 40%; Phil 2003-1389 at 21%; Phil 97-3933 at 16%, Phil 2000-2569 with 17% and other varieties 3%.

**Micropropagated Plantlets Distribution.** Hardened micro-propagated plantlets distributed was 116,462 pieces released to 119 recipients in the mill districts either sold or given to OPSI participants and MDDCs, cane planters and SRA-LGAREC Farm Services for demo purposes and propagation. The varieties distributed are Phil 99-1793, Phil 2003-1389, Phil 2004-0827 and Phil 2004-1011.

**Trichogramma Production and Distribution.** The Trichogramma laboratory in LGAREC produced 26,233 strips and distributed 20,791 strips to 70 clients consisting of cane planters, researchers, rice, corn and vegetable farmers. Trichogramma strips are used in the biological control of cane borers and as biological control of infestation in rice and vegetable farms.

**Soil Improvement through Proper Fertilization.** The Soils Laboratories of SRA analyzed 7,031 soil samples benefitting 2,688 farmers/clients. Target for this year was surpassed due to the implementation of "Soil Test Mapping Project" spearheaded by the RDE (Luzon/Mindanao) undertaken in two (2) mill districts in Tarlac and Batangas.

**Production Facilities (Nurseries).** Two (2) production facilities (nurseries) dedicated for efficacy trials are being maintained, the **Field Nursery** in LGAREC and the **High Yielding Variety (HYV) nursery** in LAREC.

Agriculturists in La Carlota, Victorias, Lopez, Tolong, Capiz, Ma-ao, Passi, Bogo-Medellin, San Carlos and Bais-URSUMCO were able to assist/coordinate in the establishment and monitoring of nurseries. The RD Extension Visayas MDOs monitored a total of 79 nurseries established and funded by the private sector and the MDDC.

The RD Extension Luzon/Mindanao has stopped monitoring MDDC established nurseries beginning this year due to budget cut.

**Vermicompost and BMO Production.** A total of 11,727 kilos of vermicast were produced in which 5,895 kilos were taken by SRA Bacolod, PTCM, LCC agriculture students and SRA Farm Services.

A total of 395 gallons of Beneficial Microorganisms (BMO) liquid supplemental organic fertilizer was produced and applied in the station's demo, propagation, commercial and experimental fields.

# Research, Development & Extension

## INDUSTRIAL RESEARCH AND DEVELOPMENT

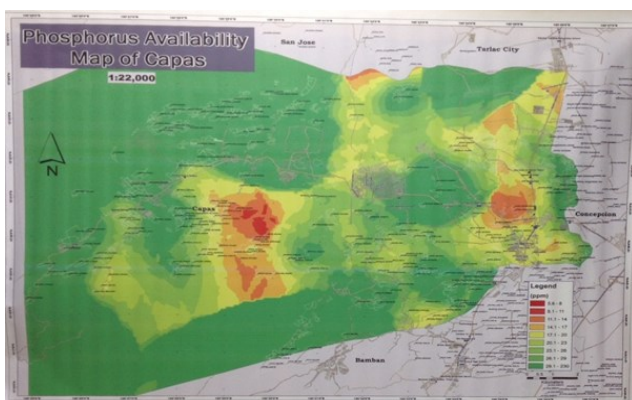
### OFFICE OF THE MANAGER (Luzon/Mindanao)

#### Completed Projects:

#### 1. Soil Fertility Mapping of Batangas and Tarlac Mill Districts

A soil fertility map guides farmers on the nutrient availability status of their farms, and thereby the kind and amount of fertilizers to procure and apply for optimum yields. Sugarcane is a voracious user of fertilizer, thus, most cane fields suffer from lack of nutrient required by the next generation of crops after the current crop has depleted the soil. The project was conducted in cooperation with the Sugar Master Plan Foundation, Inc., and the respective MDDC's.

The soil sampling points were identified from a satellite-based map of the district, uploaded in the GPS instruments that served to pinpoint the exact location of the areas where the samples must be collected. It was agreed that one sample (a composite sampling of several holes) shall represent one sampling area of ten (10) hectares. Soil sample collection and transport were to be the responsibility of the MDDC, and all samples are to be sent to the SRA-LAREC station in Floridablanca for preparation prior to analysis. Soil sample analysis for pH, N/OM, P, and K shall be the responsibility of the SRA and the SMPFI, the former for the analysts and facilities, while the latter for all expenses that will be incurred thereof. Three (3) laboratories handled the samples from LAREC - the LAREC soils laboratory, the DA RFU 3 soils laboratory in San Fernando, and the Environmental and Allied Materials laboratory in SRA Quezon City. All sample analyses were completed by 03 September 2013 and all nutrient maps by municipality were finished December 2013.



Picture of one of the actual maps

#### 2. Establishing the Glycemix Index of Muscovado to corroborate its benefits

Glycemic index (GI) measures the effect of carbohydrates on blood sugar level, because not all carbohydrate foods are equal, they behave differently in our bodies, thus GI describes this difference.

Carbohydrates that break down quickly during digestion and release glucose rapidly into the bloodstream have a high GI whereas; carbohydrates that break down more slowly, releasing glucose more gradually into the bloodstream have a low GI.

Considering that muscovado is high in nutritional value because it contains vitamins and minerals, establishing its glycemic index therefore will further enhance the claim that muscovado sugar is a healthy sugar.

The GI analysis was undertaken by Food and Nutrition Research Institute of DOST (FNRI) thru a research contract with SRA. Muscovado samples represented here were from producers using Upgraded conventional - direct firing cooking method. From these samples FNRI result indicated that the Glycemic Index (GI) based on 25 g available carbohydrates is  $68 \pm$  (Medium).

To establish the Glycemic Index range, it is suggested to conduct another analysis using samples from Boiler Type Muscovado Processing Plant.

#### 3. Establishment of Cogen Potentials/Energy: Efficiency & Conservation & Commercial Cogeneration for the Sugar Industry (Paper presented at the 2013 PHILSUTECH Convention, August 2013 by Fernando H. Corpuz)

The indicative cogeneration potential of sugar mills may be derived through table top calculation using data from plant operations representing present efficiencies as a result of equipment used, technologies adapted, quantity and quality of canes milled. Using five-year operations data and latest Equipment Audit by SRA (2010), with industry norms and standards, energy production and consumption were computed. The surplus power net of plant (and adjunct installations) requirement amounted to 34.3 MW represents the indicative electrical power which the mills can make available for other utilization if the power is required now. Theoretically, modifying power plant configurations (boiler pressures and turbogenerator type) into more cogen-worthy arrangement can push the potential to 160.25 MW.

Other drivers of cogen potential should be managed to support any commercial power sales decision and improve viability of the chosen venture. Energy-efficient equipment and technology emplacement must be buttressed with ample sugar cane supply and better plant availability.

The actual cogeneration potential of any existing plant is better established by a comprehensive energy audit. This subject exercise however may be referred into as a rough guide and a starting point for future investigations on the matter.

# Research, Development & Extension

## On-going Projects:

**1. Program Development and Management.** As in previous years, the Department's thrust was focused on:

- a) Farm Productivity Improvement
- b) Development and pursuit of alternative, value adding technologies in the field of renewable energy / cogeneration, muscovado, BOF
- c) Support to the bioethanol initiative especially in feedstock production.

Among the activities supervised by the Office of the Manager III includes:

- i. Conduct of Soil Fertility Mapping Project (joint project with Sugar Master Plan) in Batangas, Pampanga and Tarlac in coordination with MDDC.
- ii. Technical Appraisal of Mill operations in Central Azucarera de Don Pedro de Don Pedro and Batangas Sugar Central Inc.
- iii. Conduct of a.) Energy Audit in Lopez Sugar, La Carlota, Victorias, Hawaiian Philippines and Sonedco and b) Capacity and Efficiency Audit in Hawaiian Philippines
- iv. Conduct of Crop Estimate of GFII and Eco Fuels in Cauayan and San Marcelino Isabela.

**2. Enhancing the Production and Promotion of Muscovado as Part of the Domestic Sugar Supply and Demand.** The muscovado technical working group (MTWG) completed its assessment in Pangasinan area wherein 23 muscovado producers / mill owners were surveyed. Partial assessment was also conducted in Tarlac area wherein 27 producers / mill owners were likewise surveyed.

**3. Fine Tuning Cane Quality Analysis.** The project aims to calibrate LAREC's test mill with the mill of Sweet Crystals Integrated Sugar Mill in Porac, Pampanga where canes from the station's commercial farms are sent for milling. The study will use data from two-years deliveries comparing analytical results from LAREC against the results from the Sweet Crystals laboratory. Finding a correlation is on-going.

**4. JPEPA Project Proposal: Strengthening SRA-Research, Development and Extension Services to improve the productivity of small farmers.** The Department/proponent was still waiting for DA and NEDA advice on the status of the proposal.

**5. Technical Assistance/Info dissemination of Sugar by-products & co-products (Muscovado, basi, vinegar etc.)** Technical assistance was given to twenty (20) walk - in researchers, entrepreneurs and other government institutions re muscovado processing, potential sources and prospective markets.

Site inspection and consultation meeting with DOST Tarlac and Management of Yadao Food Products was conducted in Tarlac on April 24, 2013. Demo trainings on muscovado, basi & vinegar were also conducted in Cotabato on July 29-August 3, 2013.

**6. Info-Dissemination/Advocacy/Networking.** The RDE collaborated with BAPFS re Standard on muscovado, BSWM on District soil mapping, DOE / DOST / ITDI on energy cogeneration, DENR-EMB on environmental management concerns, PSMA & Planter's groups over various sugar / sugarcane industry studies, National Codex Organization on Sugar Standards, National Nutrition Council re Mandatory Food Fortification, UPLB re SRA Scholarship Program.

Technical expertise was shared by attending as resource person in various techno-fora, symposia and conferences i.e. PHILSUTECH Sugar Technology Training in Bacolod, Talisay City and Extension National Conference in Indang Cavite and as Project Evaluator in several R & D project proposals of PCAARRD.

## TECHNICAL SERVICES

**Production.** Farm production increased by a million ton in Crop Year 2012-2013 compared to the previous crop year. This may be due to the OPSI (Outreach Program of the Sugar Industry) seminars extended to planters. The surge brought a 90% increase in sugar production.

**Performance.** Twenty-nine (29) sugar mills operated this crop year. Performance parameters such as milling rate, pol extraction, recoveries, capacity utilization and mechanical efficiency) increased slightly by 1%. Highest extraction was achieved by HPCo at 96%, overall recovery by CASA and HISUMCO at 86%. The industry possessed sound equipment revealed by lesser stoppages due factory and high MTE.

**Time Efficiency.** This season's milling days is longer by about 3 days than the previous year. Less stoppages were experienced this year manifested by an increase in overall time efficiency.

# Research, Development & Extension

## COMPARATIVE HIGHLIGHTS OF OPERATIONS CY 2011-2012 and CY 2012-2013

	CY 2012-2013	CY 2011-2012
Gross Cane, Tonnes	24.85 M	23.88 M
Burnt % Cane	12.31	8.28
Raw Sugar Manufactured, Tonnes	2.47 M	2.22 M
LKg/TC	1.99	1.86
TC/TS	9.84	10.48
No. of Operating Mills	29	29
Tonnes Cane per Hour	7,810.540	7,831.023
Average TCH	269.329	270.035
% Pol Extraction	94.18	93.98
% Boiling House Recovery	88.39	87.81
% Overall Recovery	83.25	82.53
% Capacity Utilization	59.70	58.17
% Mechanical Time Efficiency	91.03	90.77
Average Milling Days	182.60	185.16
% Total Time Efficiency	63.54	62.62

## DEVELOPMENTAL / RESEARCH PROJECTS

### Completed Projects

Annual Synopsis of Philippine Raw Sugar Factories' Production and Performance Data CY 2011-2012  
Annual Compendium of Philippine Sugar Refineries FY 2012

### Continuing / On-Going Studies / Projects

**A. Capacity and Efficiency Appraisal of Sugar Mills.** A technical audit that gives a clear scenario of the plant's equipment and efficiency profile, enabling the authorities to draw conclusions as to where improvements and/or rectifications should be applied. It was only this year that the Administrator has given her go signal to make the project a requirement to all sugar factories.

**B. Environmental Monitoring of Sugar Mills by the Special Action Group for Environment (SAGE).** The SAGE Teams in Quezon City and in Visayas conducted a series of environmental monitoring. The SAGE acts as a third party monitoring body as intended by the Code of Environmental Management Practices for the sugar industry.

**Twenty (20)** sugar mills were monitored for air emission and wastewater by the SRA's SAGE Teams for 2013. **Seven (7)** sugar mills in Luzon/Mindanao and **thirteen (13)** sugar mills in the Visayas.

### Sugar Mills monitored in Luzon & Mindanao

Batangas Sugar Central – smokestack inspection
Central Azucarera de Tarlac
Batangas Sugar Central
Cagayan Sugar Milling Company
Penafrancia Sugar Mill
Sweet Crystals Integrated Sugar Milling Co., San Fernando
Central Azucarera Don Pedro

### Sugar Mills monitored in Visayas:

Victoria's Milling Co.
Central Azucarera la Carlota Inc.
Lopez,
Sagay (2),
HPCo (2),
BISCOM,
FFHCo,
Roxol,
SCBI,
URC-Tolong
VMC
SONEDCO
CAC

**Air samples and wastewater samples analysis.** A total of **202** air samples were analyzed from 20 sugar mills by the SAGE Teams of Luzon/Mindanao and Visayas. while **fifteen (15)** wastewater samples from sugar mills in the Luzon / Mindanao areas were analyzed. In Visayas, no mill has requested for wastewater sample analysis this could be due to the number of recognized laboratories abounding in the area.

All monitored sugar mills were furnished with the Environmental Monitoring Report that contains the results of the air and wastewater sampling.

Two (2) SAGE-QC teams and one (1) Bacolod team were accredited valid until August 6, 2015. The team compositions are:

QC Team:	Team 1 QA/QC	- Rosaline R. Agosto
	Team Leader	- Rogelio T. Genzola
	Team 2 QA/QC	- Rosaline R. Agosto
	Team Leader	- Dyna R. Tienda
Bacolod Team:	QA/QC	- Irene V. Cruz
	Team Leader	- Ma. Lucia Sanchez

**C. Energy Efficiency and Conservation Project.** A 3-phase project was approved by the Board in the 3<sup>rd</sup> quarter. It is a collaborative undertaking with DOE, DOST - PCIEERD and

## Research, Development & Extension

PSMA (Philippine Sugar Millers Association). Phase 1 involves capability training of SRA technical men, purchase of energy audit equipment and actual conduct of energy audit. Delivery of equipment and product demo were conducted by the winning bidders. Trainings / seminars / workshops participated in on this regards are:

- a. Collaborative meetings with partner agencies (DOE, DOST-PCIERRD, PSMA)
- b. Orientation/Workshop on Energy Audit
- c. Simulation Workshop facilitated by International Copper Association of Southeast Asia (ICASEA) and experts from Thailand
- d. Seminar on Energy Efficient Technologies
- e. Forum on Clean Energy Investment Opportunities in Sugar Mills
- f. Public Consultation on Dioxins and Furans
- g. Low Emission Development Strategies and Renewable Energy Analysis Seminar
- h. Preparation for the Upcoming Sugar Industry Environment Committee

Two technical teams were created under SO # 137, Series 2013 dated September 13, 2013. These are from Quezon City and Bacolod.

Actual energy audits were conducted by three (3) members from Quezon City, two (2) from Bacolod and two (2) from DOE. Energy audits were conducted in Lopez Sugar Central from September 29 to October 6 and Central Azucarera de La Carlota from October 6 to 13.

**D. Cogeneration Potentials of Philippine Sugar Industry.** This is an assessment of the potentials of local sugar factories to consider cogeneration. The result of the study was presented in the 2013 PHILSUTECH Convention.

**E. Allowable Volume Limits of Stocks in Process.** To come up on how to measure the amount of sugar left in process every weekly shutdowns. The different recommended tank capacities are still being researched on.

**F. Technical Assistance to RDE Office of the Manager's Projects.** The Technical Services Section provides technical support to the RDE manager and has also provided assistance to:

1. BAFESPA's (Batangas Federation of Sugar Planters Association) milling concerns of Batangas sugar mills
2. Three (3) OPSI seminars that represented the RDE Manager III as resource speaker which are conducted in PENSUMIL, Bukidnon and CARSUMCO mill districts.

**G. Survey on Lime Resources.** Lime is used in the clarification process of sugar processing. The study aims to explore other sources in case shortage occurs. Interviews with resource persons are being undertaken.

**I. Production of Informative Brochure and Establishment of Photo and Video Virtual Library of Sugar Manufacturing.** These are handy and informative reading materials that present clearly the raw sugar processing to technical and non-technical recipients. The text for raw sugar manufacturing is for revision and lay-outing of design is on-going. Collection of pictures of the equipment and process videos were done simultaneously with mill audits.

**J. Establishment of Pollution Load Factor for the Sugar Industry.** Aims to establish pollution control measures to make the industry comply with the regulatory standards and prevent operation disruptions. The project ends this year.

**K. SAGE Chronicle.** A comprehensive documentation on the formation and activities of SAGE. The highlight of accomplishments is published every quarter. This coming year, SAGE accomplishments will be embodied in the SAGE report.

**Technical Services Rendered.** Apart from projects / studies and ministerial functions, fifty-four (54) technical services on operational process, technical survey/evaluation and technical data dissemination were rendered to twenty four (24) individual sectors consisting of mills, refineries, planters, academe and SRA units.

### Other Activities:

Two (2) publications were published, the Annual Compendium of Philippine Sugar Refineries FY 2012 and the Annual Synopsis of Philippine Raw Sugar Factories' Production and Performance Data CY 2011-2012.

The Technical Services officers and staff participated in fifteen (15) seminars/workshops and twenty-four (24) meetings .

### LABORATORY SERVICES

RDE laboratories in Luzon, Mindanao & Visayas rendered laboratory/technical services to sugar millers, planters, sugar traders, researchers and other institutions through analysis of 1,363 samples consisting of raw sugar, molasses, refined sugar, agro-industrial samples premixes, wastewater air particulate etc.

The above services were undertaken pursuant to SRA's objectives to encourage good manufacturing practices, ensure competitiveness and acceptability of our sugar in the domestic and export market, and to determine compliance of all sugar factories to Memorandum Circular No.2 Series of 2011 on the new sets of standard for Raw Cane Sugar (PNS / BAFS 81:2010) and White Sugar (PNS/BAFS 82:2010 respectively).

## Research, Development & Extension

Aside from laboratory analysis of sugar, premixes, muscovado, molasses etc. the Sugar Reference laboratory, Integrated laboratory and the Environmental laboratory in Luzon has generated over Php 1.9 million revenue for the agency while the Sugar Reference unit in the Visayas also generated over a million pesos.

**Quality Standard Setting for Muscovado.** Final draft of PNS for Muscovado has already been prepared and is for submission and approval while the Draft Recommended Code of Practice for the Processing and Handling of Muscovado Sugar is still for finalization.

As the Codex Committee on Sugar chaired by Colombia has already been activated, the National Codex Subcommittee on Sugar has also been activated. The Subcommittee has prepared comments/inputs for Philippine position for the Codex Proposed Draft Standard for Non-Centrifugated Dehydrated Sugar Cane Juice (locally known as Muscovado). The Philippine Position was submitted and endorsed through the National CODEX Organization. To emphasize Philippine position at the 36<sup>th</sup> Codex Alimentarius Commission Session, the Philippine delegation to the said session included one Laboratory personnel who is also a member of the National Codex Subcommittee on Sugar. Codex Session was held at the FAO Headquarters in Rome, Italy last July 1-5, 2012.

Adoption of Proposed Draft Standard at Step 5/8 was included in the session's agenda. As the Draft Standard still contained many contentious issues, it was the Philippine position that Draft Standard be not adopted at Step 8 but rather that its provisions on Methods of Analysis, labelling among others be fully discussed further. At the session, the Philippines supported the recommendation of the Codex Executive Committee that the Draft Standard be adopted at Step 5 only for members to fully discuss and finalize provisions on Physical and Chemical Characteristics and Methods of Analysis. It was then decided agreed upon by the Commission that further work will be carried out on the Draft Standard.

**Comparative Study of Floc Potential of White Sugar Using Absorbance Ratio Scope and ICUMSA 10-Day Beverage Test.** Fifty two (52) samples have been analyzed using both methods of analysis. Values obtained for Absorbance ratio scope obtained was found to have positive correlation with the results of the 10-day Acid Beverage test. Additional parameters such as Color and Turbidity were also analyzed and correlated with the values obtained for the absorbance ratio scope.

**Food Additives and Contaminant Levels of Philippine White Sugar.** Acquisition of additional equipment to be used for the analysis of other contaminants has been ongoing. Delivery of said equipment will be on the next quarter.

**Environmental Laboratory Services.** Sixteen (16) wastewater and fifty five (55) air particulates samples were received and analyzed by the Environmental Laboratory. A total of 2,645 soil samples were also analyzed for the Soil Mapping Project of the Sugar Master Plan Foundation.

This generated Php 366,800 as SRA revenue for the Environmental Laboratory Services.

**Environmental Laboratory Recognition.** The Environmental Laboratory has participated in 1 Proficiency Testing on Oil and Grease with the Environmental Resource Associates, U.S.A. on July 29, 2013. Hazardous Waste Self Monitoring Report has been submitted to DENR and Manuals have been updated.

**Qualitative and Quantitative Analysis Characterization of Wastewater from Sugar Mills and Bioethanol Plants.** Acquisition of a pH Ion Selective Meter was done and training for new method/apparatus, calibration and methods validation were undertaken.

### EXTENSION SUPPORT SERVICES:

The laboratory personnel conducted technology dissemination (7 occasions as resource speaker), discussed Updates on Muscovado Standards with DTI in Tarlac City and one (1) personnel acted as resource person in Organic Farming and Sugar Cane By-products Demo Seminar in Gender Sensitivity Training.

Technical Assistance through Referrals and Consultations were done in 37 occasions and as a continuing member of eight (8) Technical Working Groups on: Food Fortification, National CODEX Subcommittee on Sugar, SPS Focal Group, Quality Assurance, Food Defense Guidance for Industry, IRR of the Food Safety Act, Sugar Industry Committee on Product Development & Trade and TWG on Drafting of PNS for Muscovado.

On thirty-seven (37) occasions, technical assistance were requested by six (6) government agencies (National Nutrition Council, Bureau of Agricultural Fisheries Product Standards, Department of Agriculture-SPS Focal Group, Food and Drug Administration, DA/ DOH-National Codex Organization), the National Metrology Institute of Germany, two (2) technical associations of the sugar industry (PSMA and PASRI), three (3) private companies and one (1) from the academe. The topics covered were: Food Fortification for Sugar, CODEX Standard on Muscovado, Quality Assurance, Halal Food Industry Development, Muscovado Standard Setting etc.

**Technical Services (Visayas.)** The Sugar Reference unit in the Visayas provided technical services through response to inquiries and requests of planters, traders, millers on sugar quality tests and analysis of sugar by-product samples. For molasses analyses, the laboratory served seventeen (17) sugar mills, 59 sugar traders and 45 molasses traders.

The unit also rendered assistance to eleven (11) students on their On-the-Job training on sugar by-product analyses and inquiries on the quality test on sucrose and starch content of squash samples.



## Research, Development & Extension

Provided assistance to Schuurmans & Van Ginneken Phil., Inc. on their request for parallel test on Brix and total reducing sugars for three (3) molasses distilleries namely: Distilleria de Bago, Inc., San Carlos Bioenergy, Inc. and Batangas Distillery on their molasses samples delivered to said distilleries.

**Mandatory Food Fortification (MFF) of Refined Sugar.** The issue has remained unresolved since questions on the authority of the NNC to effect the lifting of the Mandatory Food Fortification in sugar through a Governing Board resolution have been raised. After a series of meetings, the Department of Health (DOH) has requested the opinion of the Department of Justice (DOJ) on the matter early this year. The DOJ has since then issued DOJ Opinion No. 29 S.2013, stating that the NNC resolution is null and void as NNC do not have the authority to exclude sugar from the list of staple food for MFF. SRA, through the Office of the Secretary of the Department of Agriculture has then filed a Motion for Reconsideration. Any succeeding action then will depend on the resolution of these legal issues which has remained unresolved.

**Capability Building and Equipment Acquisition.** Laboratory personnel attended seven (7) training courses and eighteen (18) seminars/workshops and acquisition of ten (10) laboratory equipment and six (6) office equipment

**Upgrading of the Laboratory (Infrastructure).** The renovation of the Laboratory started last July and will be completed by the first quarter of 2014.

### EXTENSION SERVICES

**Capability Building of Farmers through Outreach Programs and Trainings.** Eighty-nine (89) farmers' trainings events were conducted for the year by the RDE in Luzon/Mindanao and the Visayas. These training events were participated in by a total of 2,903 farmers/ARBs.

**Distribution of Information, Education and Communication (IEC) Materials.** Total information, education and communication (IEC) materials distributed in Luzon/Mindanao and Visayas amounted to 5,230. Number of beneficiaries of materials totalled 3,948. Information materials distributed includes pamphlets, brochures, Mill District *Balita* (a quarterly publication of RD Extension Luzon/Mindanao).

**Training Activities for Extension Personnel.** Five (5) trainings were conducted this year for Extension personnel (Agriculturists) in Luzon/Mindanao and the Visayas.

Training Programs Conducted:

**1. 2013 Regional Evaluation and Training on Crop Estimation Luzon and Mindanao Mill Districts.** Conducted at SRA Training Room and at Nasugbu, Batangas on April 1-2, 2013 (1) and April 3-5, 2013(2) respectively. Attended by 22 extension personnel.

**2. Hands-On Training on GPS-and Re-Orientation on the use of vermier caliper, weighing scales, soil auger, refractometer.** Conducted at Balay OPSI, La Granja Agricultural Research and Extension Center on May 20-21, 2013 (3). Attended by 31 extension personnel.

**3. Unification of OPSI Lectures (4) - Visayas**

**4. 2013 Extension National Conference.** Conducted at Indang, Cavite on October 8-10, 2013 (5). Attended by 42 extension personnel.

**Techno-demo Farms.** The demo-farm is an extension approach to technology transfer. It is a showcase of proper fertilization complemented with organic fertilizers and BMO or biological microorganisms. Demo farms are show windows of new technologies for the farmers to observe and compare with their own farm practices.

As of 2013, there are twenty (20) demo farms established and maintained. Demo farms are being maintained in Ma-ao and Pontevedra in Negros Occidental. Demo farms established in Luzon/Mindanao are located in Tarlac and in Cotabato. Except for the two demo farms in Visayas, the other demo farms were established by private companies.

A techno demo on Bio-organic Fertilizer (BOF) and one (1) livelihood seminar on home-based native chicken was facilitated at Antique Block farms.

**Block Farms.** The SRA-DA-DAR Convergence Initiative or Block Farm program was implemented to increase farm productivity and income of small farmers. As of December 2013, a total of 22 block farms are already operational, with a total area of 1,472.371 hectares and 1,409 enrollees.

#### Phase 1 (9)

Name of Block Farms	Location
PASAMA	Magalang, Pampanga
Hda. Salamat	Pili, Camarines Sur
Minaba MPC	Tampalon, Kabankalan City, Negros Occidental
Vizcaya ARB MPC and Lantangan ARB MPC	Capiz, Iloilo
Manggolod Farmers MPC	Sta. Catalina, Negros Oriental
Ramrod Agricultural Multi-Purpose Coop. (RAMPUCO)	Canlaon City, Negros Occ.
ANARBA	Caputatan, Medellin, Cebu
Boroc Agricultural Producers MPC	Ormoc, Kananga, Leyte
J.A. Agro Employees Farmers Beneficiaries Livelihood Association	Quezon, Bukidnon

## Research, Development & Extension

### Phase II (13)

Northern Cluster Producers Coop (NCP)	Paniqui, Moncada, Ramos, Anao, Gerona, Tarlac
GMJ ARB Coop and ASSMMSA	Lauan, Patnongon and Bugasong, Antique
JAGUIMITAN-JARBEMCO and MAPILI CATUBAY	Passi, San Enrique, Iloilo
Don Esteban ARB (DEARBA) and Hda. Bongco Farmers Association (HABFA)	Escalante, Neg. Occ.
PARAISO Food Workers ARB (El Sansi ARB)	Cadiz City, Negro Occ.
Hacienda Bernardita	Cadiz City, Negros Occ.
CASA MPC	Talisay City, Negros Occ.
NARC – Nagasi ARC and HECARBA MPC	La Carlota, Negros Occ
SYCIP Plantation Farm Workers	Manjuyod, Negros Occ.
San Julio Farm Workers MPC	Tanjay, Negros Oriental
SAMAC (SUFARMFUCO)	Mabinay, Negros Oriental
KASFARBECO	Bais City, Negros Occ.
LAPAY (LARBEMCO)	Bayawan, Negros Oriental.

While **13** farms are still in the pre-organization stage (block farms that have GPS mapping) and **43** block farms are in the organized stage block farms with GPS mapping and a list of enrollees). These farms are also in two different phases of implementation.

Sugarcane Farm Management Seminars were conducted by the ESD in Visayas and Block Farm official enrollees have received handbooks on sugarcane farm management, while trainings on Farm and Financial Management are conducted in Luzon / Mindanao.

Cross farm visits were also facilitated to the block farm enrollees.

**Crop Estimation.** Sugarcane areas were validated through GPS (Global Positioning System) to make sure that areas are accurate and not bloated. A total of 3,100 hectares spanning thirty-nine (39) barangays was validated thru GPS in CARSUMCO, Tarlac and Pampanga mill districts serving 358 cane farmers.

**Ocular Inspection.** A total of 30 applications for SRA Certification with a total area of 340 hectares was inspected and given certification while nine (9) applications covering an area of 200 hectares and 14 applications covering an area of 253 hectares were inspected by the National Technical Executive Committee on Land Use Matters (NTECLUM) representative and Committee on the Rehabilitation of Agricultural Lands (CRAL) representative, respectively.

# Regulations Department - Luzon & Mindanao

## Production, Withdrawals and Price Update

For Crop Year 2012-2013 sugar was allocated at the following percentage: 10% for "A" or US sugar and 82% for "B" or domestic sugar and 8% for "D" or World Market sugar. Like in the past three (3) Crop Years, no amendments in the queдання ratio were done in the succeeding months since supply and demand for sugar over the crop year remained stable.

Raw sugar production for the said Crop Year reached 2,465,116 MT; a 9.85% increase from the previous crop year's record of 2,244,131 MT. The increase can be attributed to right farm inputs used by farmers. Although the weather condition was not as good as compared to previous Crop Years, sugar yield and cane tonnage gave the industry a good harvest.

Similar to the upward trend of raw sugar production, refined sugar production increased by 12.68% from 18,723,731 LKg bag previous crop year to 21,097,909 LKg bag this crop year.

Raw Sugar Withdrawals for CY 2012-2013 posted at 2,184,512 MT; a 7.13% increase from last year's 2,039,217 MT. This is a good sign which indicates a high demand of sugar consumption.

Refined sugar withdrawal as of December 29, 2013 increased by 5.52% against the same period last year from 6,778,202 LKg bag to 7,152,320 LKg bag this year.

The high demand of sugar based products during the mid-part of the year to December, stable prices and the intensified anti-smuggling efforts of the current administration in partnership with the private sector may have triggered the increase in the domestic consumption.

To check if prices are at a level reasonably profitable for the producers and fair to consumers as well, sugar monitoring of prices were regularly conducted in Metro Manila by the Price Monitoring Group of the Licensing and Monitoring Division.

In January 2013, the prevailing wholesale price of refined sugar in Metro Manila was at P1,900.00 and went up to P 2,020.00 in the mid year and closed at P 2,013.00 during the end of the year.

On the other hand, the prevailing retail price trend of refined sugar was at P48.00 and by the end of the year, it slightly went down to P46.86.

Millgate price of "B" or domestic sugar started at P1,462.00. The price spiraled down to P1,430 at the end of the year. Molasses were initially sold at a price of P5,750.60 /metric ton and went down to P5,617.00 in December 2013.

## Export Sugar (US Market / World Market)

For quota year 2012-2013 the Philippines commitment to US for raw sugar allocation was 144,901 MTRV (or 138,827 MTCW). Only 53,960 MT were shipped out. Export clearances for the US fell short of target since the USDA advised other countries not to ship out their sugar quota due to supply surplus.

As of December 2013, the Sugar Transaction Division (STD) processed a total quantity of 82,155.06 MT (including the 53,960 MT) of sugar exported to US generating P 4,107,753 from export clearance fee for the year.

For the World Market, the total quantity of sugar exported was 195,288.67 MT with a total collection of P 9,403,433.53.

## Export / Imported Molasses and Muscovado

Molasses export for the year was 82,849.30 MT which generated an income for the agency in the amount of P 2,485,479.06. Whereas, Muscovado export totaled 1,734.70 MT with P 51,840.00 collection of export clearance fee.

On the other hand, Molasses imports was 23,549.43 MT with a total earning for the agency in the amount of P 9,419,722.00.

## Food Processors, Customs Bonded Warehouse (CBW) Imported Allocation

For the year 2013, Food Processors / exporters / CBWs using imported sugar and local sugar as raw materials for their products availed a total of 57,670.76 MT imported and 19,016 MT local "E" sugar. From this, the agency collected P 39,160,345.75 as monitoring fees.

## Prevailing prices of sugar in Metro Manila are the following:

Month	Wholesale Price (Pesos per 50-kilo bag)			Retail Price (Pesos per Kilo)		
	Raw	Washed	Refined	Raw	Washed	Refined
Jan. '13	1,400.00	1,500.00	1,900.00	44.00	44.00	50.00
Feb.	1,550.00	1,675.00	2,000.00	44.00	44.00	48.00
Mar.	1,500.00	1,610.00	1,950.00	38.00	42.00	50.00
April	1,550.00	1,600.00	2,000.00	38.00	42.00	50.00
May	1,600.00	1,750.00	2,020.00	38.00	42.00	48.00
June	1,620.00	1,800.00	2,000.00	38.00	42.00	48.00
July	1,580.00	1,780.00	2,000.00	38.00	42.00	48.00
Aug	1,580.00	1,780.00	1,970.00	38.00	42.00	48.00
Sept.	1,580.00	1,780.00	1,950.00	38.00	42.00	48.00
Oct.	1,620.00	1,775.00	1,950.00	38.00	41.50	48.00
Nov.	1,700.00	1,800.00	1,980.00	39.00	42.50	47.00
Dec	1,631.00	1,730.00	2,013.00	39.14	42.50	46.86

# Regulations Department - Luzon & Mindanao

## Regulatory Services

Being the regulatory arm of SRA on sugar transactions, the Department has issued the following documents through its Sugar Transaction Division (STD), LMD and Sugar Regulation and Enforcement Division (SRED):

- 16 certificates for quota eligibility (CQE) to traders
- 883 certificates of exchange authority (CEA)
- 106 certifications for sugar requirements
- 289 export clearances for sugar, molasses and muscovado
- 458 import clearances 30 licenses to sugar mill/refineries
- 245 registration certificates to sugar/molasses/muscovado traders
- 204 shipping permits
- 628 Premix commodity clearance
- 353,623 Verification and attestation of sugar quedans, molasses certificates and sugar release orders (SRO)

## Other Collections

For 2013, the Regulation Officers (ROs) collected liens for the agency and generated more than P 61.8 million.

## Other Activities for the Year

### Plant Visits and Inspections

Plant visits and inspections are primarily done to check the legitimacy of the Plant owned by the Food Processors if it is existing and operational and to access its sugar requirement in order to grant an allocation for their sugar-based products intended for export. For this year, three (3) new Food Processor applicants namely: Globalfood, KF Nutrifood, Mardak Global Export.

### Physical Sugar Stock Inventory

More than 100 sugar stock inventories were conducted in the different parts of the country. There were no deficiencies in the filling-in the sugar stock inventory ledger. The actual physical stocks at the warehouse reflect the same with the SRA count. Likewise, 38 shipments of export sugar to World Market and 53 export finished products were also done as part of the monitoring activities of the LMD.

The SRED also conducted and verified physical sugar stock inventory in the mills and refineries and reconciling the same with the quedans that are still outstanding. For this year, 11 mills/refineries in the Luzon/Mindanao area were inventoried

for physical sugar stock. As a requirement of SRA prior to the start of the milling season, mill scales in mill districts are calibrated with the presence of mill, planters and SRA representatives. Calibration is done as an assurance of integrity and accuracy of the mill scales. For this year, seven three (73) weighing scales in Mill Districts were calibrated. After the calibration activity, all representatives attest their signatures on the SRA Seal which were affixed on each of the weighing scales for security reasons.

### Traders Office and Warehouse Visit.

Thirteen (13) warehouse and office inspection were done to verify the authenticity and legitimacy of the applicants. Upon recommendation, all applicants were issued a license to operate as sugar, muscovado and molasses trader. A total of 245 traders including the thirteen (13) approved applicants have registered during the year.

### Premix Sampling

Thirteen (13) pre-mix sampling were conducted during the year wherein samples classified under heading 21.06.90 of the Harmonized System (HS) Tariff and Customs Code were taken for laboratory analysis in order to check the presence of sucrose. Majority of the samples were not detected with sucrose content but there were also a number detected with above 65% sucrose content. Prior to the withdrawal of its products from the Bureau of Customs (BOC), the importers were obliged to pay for the clearance fee and sugar liens of its products containing 65% by dry weight of sugar. Likewise, the importers were also obliged to pay for the laboratory fee.

For this year, there were about 628 Premix commodity clearance approved and processed.

### Capability Building

RD also attended various seminars / training / forum to upgrade their skills and knowledge. Among these are:

- 1) Data Management with MS Excel 2007
- 2) Statistical Analysis I with Strata Batch I
- 3) Seminar Workshop on the Development of the New Strategic Performance Management System (SPMS) & HR Plan
- 4) Supervisory Development
- 5) Effective Use of MS Excel & Powerpoint 2007 for Statistical Report
- 6) Job Enhancement for the Middle Level Managers of the Department of Agriculture, Bureau and Attached Agencies
- 7) Seminar on Leadership and Hunger Mitigation
- 8) Performance Management Strategies and Breakthroughs
- 9) Re-tooling/Training of SRA/GAD Technical Working Group
- 10) 2013 Mid-Year Review of DA RFU IV-A
- 11) Supervisory Development Course Track II and III
- 12) 2014-2015 SRA Budget Review and Evaluation Performance Contract
- 13) Updates on Tax Rules and Regulations

## Regulations Department - Visayas

Regulation Department - Visayas is composed of 2 divisions: Sugar Regulation & Enforcement Division and the Licensing and Monitoring Division. It also performs Sugar Transaction functions as an extension of the Division in the head office.

Complemented by 52 responsive and strengthened regular personnel, the Department covered 18 raw sugar mills, 7 refineries, a bio-ethanol plant in San Carlos City, 4 Cebu-based CBWs, 2 bulk terminal loading ports for international shipments, all ports where sugar are loaded for inter-island shipping, and all international / domestic sugar and molasses traders operating and transacting in the Visayas.

### A. SUGAR REGULATION & ENFORCEMENT DIVISION

On the first quarter of 2013, sugar production was well approaching targets and all regions exceeding production levels of previous year with Negros and Panay mills registering the highest. By the end of April, raw sugar production increased by 6%. When the crop year ended, August 31, 2013, sugar production was higher by 9.85% compared to crop year 2011-2012. The succeeding crop year 2013-2014 opened well but typhoon Yolanda struck by November and it affected production in the Visayas bringing sugar production, on a calendar year basis, to a decrease of 3.04%. Two milling districts were hardest hit, Capiz and Leyte. Total sugar withdrawals increased by 3.47%, the domestic consumption increased by 7.66%. Contrary to speculations that there will be tightness of raw sugar towards the end of August, the supply situation in the country remained stable and had no effect on the price.

On the other hand, refined sugar production increased by 12.68% on a crop year basis but only 3.89% if on a calendar basis. The refiners projected a demand in refined sugar and probably this triggered advance refining by some refineries. Since advance refined sugar can never be withdrawn without swapping, it remained un-withdrawn, and so the withdrawals was down by 1.72% and the stock balance higher by 38.35% against previous year.

Molasses, now a major raw material for the distilleries, had maintained its markets and sustained its price. Production decreased by 7.10% though.

	2013	2012	
	<b>Production</b>	<b>Production</b>	<b>% Increase/ (Decrease)</b>
Raw sugar (MT)	1,619,773.964	1,670,497.830	- 3.04
Refined Sugar (LKg)	14,527,901.200	13,984,296.600	3.89
Molasses (MT)	618,261.012	665,515.328	- 7.10
	<b>Withdrawals</b>	<b>Withdrawals</b>	
Raw sugar (MT)	1,652,230.524	1,596,832.071	3.47
Refined Sugar (LKg)	13,592,147.030	13,829,444.070	- 1.72
Molasses (MT)	620,477.798	694,449.741	- 10.65
	<b>Stock Balance</b>	<b>Stock Balance</b>	
Raw sugar (MT)	395,715.175	350,009.041	13.06
Refined Sugar	3,375,535.460	2,439,796.300	38.35
Molasses (MT)	31,667.323	132,659.607	- 0.75

The other activities and accomplishments of SRED can best be described by the table below:

	2013	2012	% Increase/ (Decrease)
Raw Sugar Quedans	464,410*	780,507**	- 40.49
Refined Sugar Quedans	1,933	1,946	- 0.67
Molasses Certificates	228,767	262,113	-12.72
Raw SRO	5,785	10,416	- 44.46
Refined SRO	1,529	1,602	- 4.55
Scales Calibrated	103	75	37.33
SMS Reports	7,614	4,862	56.60
Samples Collected:			
Sugar	369	405	- 8.88
Molasses	38	39	- 2.64
Warehouses:			
Inventoried	104	128	- 1.88
Inspection Done	1,073	466	30.25
Molasses Tanks:			
Inventoried	57	145	- 60.68
Inspection Done	511	323	58.20

\* / Combined other than raw quedans (4,401) / SRO (30)

\*\* / previous year data corrected

The change in quedanning policy reduced the volume of quedanning activity. Beginning September 2013, "A" and "D" sugar quedans' issuances were consolidated. As a consequence, the numbers of quedans signed by our Regulation Officers reduced. Applying the same classifications, "A", "B" and "D", with the consolidation, it is expected that the volume of quedans will be reduced by 60%, however, the actual drop was only 40.49% since all the planters associations milling at VMC requested, endorsed by the mill and was given approval to issue quedans individually.

Issuance of SRO decreased in number by 44%. It has been observed that the surrendering of quedans was voluminous. Traders were withdrawing in volumes due to demand, the 3.47% increase in withdrawals supporting this analysis.

Some mills requested for a recalibration hence the 37.33% in the number of scales calibrated. During the crop yearend inventory, the patience of some Regulation Officers stood up to the test posed by one of the mills in Panay, the non-signing of the inventory reports which up to this day, remained an issue.

## Regulations Department - Visayas

Increased awareness of the need to vigilantly inspect the bodegas and molasses tanks, the Regulation Officers, in a conscious effort, frequented the checking of bodegas and joined molasses soundings hence, the significant increase in frequency of inspection of bodegas and molasses tanks.

### Income Generated

SRED-Visayas, through the diligence of Bacolod-based and Mill Regulation Officers designated as Collecting Officers raked in the following income as follows:

Account Title	2013	2012
Stabilization Fee	25,750,827.49	25,419,761.61
Special Milling Fee	2,575,751.69	2,542,801.44
Milling Permit Fee	13,029,909.59	12,875,565.64
Mon. Fee, Raw to	29,631,725.60	26,699,549.04
Anti-Smuggling Fee	10,277,008.83	1,814,342.60
Mon. Fee, Raw	76,999,905.51	74,370,146.29
Mon. Bioethanol	70,496.20	
Adv. Refining Penalty		443,941.50
<b>Total</b>	<b>158,335,624.91</b>	<b>144,166,108.12</b>

The 9.82% increase in collection of SRED-Visayas was due to the resumption of the collection of Anti-Smuggling Fee by virtue of Sugar Order No. 4 series 2012-2013.

### B. LICENSING & MONITORING DIVISION

The heaviest bulk of LMD-Visayas' tasks is the issuance of shipping permits. Reaching 29 destinations, the inter-island shipments are being issued permits from Bacolod City Office and the satellite offices in Cebu, Iloilo, Dumaguete and Ormoc Cities, the profile as follows:

#### No. of Permits Issued

Shipping Permit Issuance	2013	2012	% Increase/ (Decrease)
Negros Occidental	12,422	11,200	12.42
Cebu	1,295	1,520	- 14.80
Panay	1,462	1,717	- 14.85
Dumaguete	1,408	2,054	- 2.79
Leyte	158	219	- 27.85
<b>Total</b>	<b>16,745</b>	<b>16,710</b>	<b>0.20</b>

This year 2013, the total number of permits issued was almost the same in number compared last year of 2012, a slight increase of 0.20% . It indicates a semblance of regularity and sameness of the traders' transactions and pattern of sourcing from various mills and the frequency of their deliveries to the respective consignees.

The 0.20% increase in the number of shipping permit issuances from the Visayas were concentrated in Bacolod Office. The sugar shipments were in the following forms:

Sugar Shipped (Lkg bags)	2013	2012	% Increase / (Decrease)
Raw	11,325,875.99	10,189,325.11	11.15
Refined	13,068,989.77	12,958,410.90	8.53
Others	241,135.87	274,017.04	-12.00
<b>Total</b>	<b>24,636,001.63</b>	<b>23,421,753.05</b>	<b>5.18</b>

The 16,745 shipping permits processed for the year covered a total of 24,636,001.63 Lkg-bags, 5.18% higher than the volume issued with permits last 2012. Part of this increase can be attributed to the issuance of Sugar Order No. 7 series 2012 -2013, which required the shipping permit for inter-island shipment or trans-shipment of export sugar. Majority of the shipments, 67.24% of raw and 77% of refined were brought to Manila.

### Income Generated

For 2013, LMD-Visayas generated this much, 3.13% or Php 836,902.94 higher if compared with 2012 revenues. 92% of the revenues were from the issuance of shipping permits:

Of the 150 traders facilitated for licensing, 83 were for domestic sugar trading and 7 were international, 36 were molasses traders and 14 were for muscovado trading. For registration of traders, LMD-Visayas collected P 2,064,250.00 as fees:

Accounts	2013	2012	% Increase/ (Decrease)
Milling License Fee	47,800.00	37,400.00	21.76
Registration Fee-Traders	2,064,250.00	2,155,000.00	- 4.21
Shipping Permit Fees	5,399,608.85	24,388,915.91	- 4.14
Clearance Fee-Export of Sugar	41,000.00	14,440.00	183.93
Penalties	-	120,000.00	
<b>Total</b>	<b>27,552,658.85</b>	<b>26,715,755.91</b>	<b>3.13</b>

### C. SUGAR TRANSACTION DIVISION

There was a tremendous decrease in the income derived from performing Sugar Transactions for 2013. Replenishment has ended and the department processed regular swapping and issued Certificate of Exchange Authorities only.

# Regulations Department - Visayas

## Personnel Complement Updates

There were several promotions for our personnel for the year. Mr. Sofronio Cordova, Jr. was confirmed as the Division Chief for SRED-Visayas. Mr. Berwin Buenconsejo was taken in as SPRO II. In less than a year, Ms. Locelle Roquillas was promoted to SPRO II also. Four (4) members ended their fruitful careers with SRA when they retired: Ms. Rosie Tapay (May 31), Mr. Socrates Leduna (Oct. 31), Mr. Ruemilio Matus and Mr. Roque Milos (both Dec. 31). These movements left six (6) vacancies in the department.

2013 was also a year of specialization as eight (8) personnel were sent to some Statistical training in Manila. This further improved the reports generated by the department. Before the year ended, a seminar "Writing and Speaking with Confidence in the Workplace" was made available to all personnel in Regulation-Visayas.

## Other Activities:

### Lakbay Aral

Breaking the tradition of availing Lakbay Aral for all members of the department in one common destination, the personnel innovated by opting to go by group depending on their respective interests. Some SRED personnel went to Palawan, combined SRED-LMD explored Davao City, some went to Pataan and the rest went around Kanlaon and San Carlos cities.

### Sportsfest 2013

The department was well represented during the summer sportsfest in SRA, Quezon City. 25% of the athletes came from Regulation-Visayas and were fielded in various events, from sports to cultural and music presentations.

### Regulation Officers' National Conference

Since the implementation of Rationalization Program in January 1, 2007, this was the third time that a national confab was held inspiring the Regulation Officers with the theme "Gearing Up To Be More Efficient and Responsive Amidst Change and Challenges." Hosted by our Luzon-Mindanao counterparts, the conference was held in Bali Village Hotel, Tagaytay City on August 29-31, 2013.

## Collaboration with RDE and other GAs

Regulation Officers are now resource speakers during seminars and meetings initiated by our counterparts (Mill District Officers) in RDE. Those capable of this task are given exposures. Some were sent to Leyte, Negros Oriental and in most occasions in Negros Occidental to orient the planters / farmers of the regulatory aspect of SRA. Some have already delivered lectures in OPSI.

Outside SRA, Regulation Officers have given talks to some forums initiated by the Department of Agriculture and the Province of Negros Occidental. The department takes pride in sharing this service to various stakeholders while at the same time, contributing to the image of SRA.

# Regulations Department - Visayas

## SRED-VISAYAS MILESTONES

1. Imposition of advance refining penalty fee on URC-SONEDCO and URC-URSUMCO per S.O. # 10, in the amount of Php 6,464,180 and Php 5,241,000, respectively.
2. Reconciliation of Raw / Refined sugar which resulted to the issuance of refined quedans in the quantity of 22,463 bags representing refining gains at VMC.
3. Deployment of Visayas Regulation Officers to conduct a one-day physical inventory of the 2.583 million Lkg-bags at the Victorias Milling Company (VMC) in order to confirm the existence of the 108,421 Lkgs representing the refined sugar overage as claimed by VMC.
4. Distribution of excess molasses in some mills as an offshoot to the result of physical inventory conducted by the Regulation Officers.
5. Corrected First Farmers Holdings Corporation's (FFHC's) refinery weekly reports and factory statements to conform with SRA monitoring system.
6. Imposition of penalty on Tolong Sugar Mill (HTCI) due to its violation of S.O. No. 10 regarding unauthorized sugar withdrawal in the amount of Php 1,026,066.00.
7. Resolved disputes between Ormoc Planters' Association and HISUMCO mill management regarding unverified claims for excess sugar stocks.

## Highlights of LMD- Visayas' Activities

1. Processed / Facilitated issuance of 150 licenses to traders amounting to P20,045,000.00.
2. Issued 16,745 shipping permits amounting to P25,326,577.46.
3. Monitored sugar exports at different loading ports:

"A" Sugar	49,118.98 MT
"D" Sugar	167,600.00 MT
4. Sealed and Monitored 366,342.80Lkg. Bags "D" Sugar Shipments
5. Sealed and Monitored 182,953.00 Lkg. Bags "E" Sugar Shipments
6. Sealed and Monitored 33,022.70 Lkg. Bags of "F" Sugar Shipment
7. Monitored/Inspected 385,578Lkg. Bags imported sugar in CBWs.
8. Coordinated with BOC, Cebu in matters regarding seized imported sugar; Attended auction of imported sugar (255.90 MT).
9. Verified export documents of CBWs with documents issued by Bureau of Customs.
10. Monitored 37,676.275 MT Molasses export shipments and 62,465.368 MT local molasses shipment
11. Monitored sugar and molasses prices in Visayas area.
12. Monitored 16 warehouses of sugar traders in Visayas area.
13. Inspected 7 Office / Warehouses of Trader Applicants.
14. Facilitated processing of milling permits of 4 sugar mills.
15. LMD personnel assisted in processing Sugar Transactions activities.
16. Deployed a team that inspected and conferred with CBW Processing Plants representatives regarding submission of sugar utilization reports, warehouse stock inventory ledgers and other documents pertaining to their products for export.
17. Monitored / Inspected imported sugar arrivals and releases for CBWs.
18. Requested additional personnel to augment monitoring activities for Cebu Office.



# *Internal Audit Department*

For 2013, the IAD came in strong, supporting the mission and vision of SRA.

## **Technical Assistance / Policy Support to the Sugar Board**

- Drafted and secured Board approval of the Implementing Guidelines on the establishment of SRA Funded Nurseries in milling Districts” patterned from the Commission on Audit (COA) Rules and Regulation on the Transfer of Government Funds to NGO, PO (MDDC in the case). The new guidelines set the protocol for application / approval of SRA funded nursery in the milling district.
- Drafted and secured Board Approval of the Memorandum Circular re “Harmonizing the Fees and Penalties for Advance Refining”. The Circular upgraded the penalties for unauthorized advance refining from Php 3.00 to Php 100.00 / Lkg (First offense) so as to restrict the refinery from entering their A & D sugar backdoor to the local market. The Memorandum Circular was issued for the strict implementation of differ penalty on violation of unauthorized advance refining.
- Submitted a report on Exploratory Study of Sugar Market Development Fund”.
- Drafted and secured Board approval of the “Guidelines on the Sale / Disposal of Sugar-ACEF Properties”.
- Position of SRA on the article “SRA I am Repeating this Swiss Challenge” presumably of Mr. Steven Chan, PMA President, appearing on page 17 of October 2013 issue of Philippine Star.
- Study Impact Analysis of VAT on Raw Sugar.
- Drafted a letter addressed to the Bureau of Internal Revenue (BIR) re position of the sugar industry on BIR Revenue Regulation No. 8, Series of 2013, imposing new VAT on raw sugar.

## **Reponses to Policy Questions by Stakeholders**

Drafted the letters reply dated July 3, 2013 addressed to Chairman Galinato, Davao MDDC from the Administrator re request for the approval to sell / dispose unserviceable Sugar-ACEF properties, letter addressed to Mr. Miranda and Mr. Lansang of Pampanga MDDC re utilized Sugar ACEF of Php 161,190.00 for realignment and submission of joint project proposal viable for the mill district, letter addressed to Mr. Rene C. Rodriguez, Chairman, La Carlota MDDC from the Administrator re SRA defers the approval of their request to bid for sale Sugar-ACEF properties pending their compliance to the requirements stated in the Guidelines on the Sale / Disposal of Sugar-ACEF Properties by the MDDC and lastly drafted a letter/comments by BAFESPA Request / Legal Opinion / SRA Position re issue on excess bagasse and sugar transfer to the refinery.

## **Policy Formulation and Enforcement of SRA Regulatory Rules**

1. Presented and drafted the study on SRA Program on the Allocation of Syrup for Fuel Bioethanol Producers – the study focuses on the possible allocation of syrup to bioethanol producers starting 2013-2014.
2. Study and write-ups re Regulation of Syrups Diverted by Sugar Mill to Fuel Ethanol Production
3. Continuing Monitoring of CBW / Food Processor’s Operation
4. Luzon, Visayas and Mindanao based food processors were monitored prior to their application for renewal of allocation in 2014.

## **Internal Audit Service / Audit Engagement**

Completed the final report on the Audit of Efficiency of Collections and Remittances of SRA Liens for Crop Year 2011-2012.

Conducted and achieved the following objectives - established the over-all collection efficiency of SRA liens for CY 2011-2012; assessed mill / refinery and Regulation Officers compliance with regulatory rules and procedures; proposed rectification measures for lapses and drafted and secured approval for the additional guidelines to be issued indicating additional requirements (atop UCRRDR which had been presented to ROs national conference).

# **Internal Audit Department**

Conducted review and internal audit assessment of proposed workflow based on the office/division systems and procedures – evaluated and reviewed contract and service between SRA and Pakiao Labor Contractors (La Granja); verified and reviewed Job Request and Job Order of SRA LGAREC Pakiao project and maintained individual ledgers of budget for Pakiao Projects (La Granja) to determine the updated balance per project.

Audit findings on collection and remittances of Regulation Officer Elisa Lao of CASUCECO, audit observation addressed to Regulation Officer (RO) Nenita Apacible of BSCI as well as initial findings on Bacolod Regulation Officers re audit of ROs collections and remittances of SRA Liens.

The department also commented and cited similar findings re SRED reported internal findings on the collection and remittances of SRA liens by ROs Edmund Yasay, Jilah Cadungon of CAT and RO Lorenzo Garay requiring deeper explanations.

Audit observation on one (1) Carrier Air-conditioning unit assigned in Licensing and Monitoring Division which have undergone repair to other service center despite said unit is still covered by warranty.

Audit observation on the liquidation of cash advance re gasoline / fuel consumption per Travel Order of Mr. Arnold de Castro and made a letter addressed to the Deputy Administrator recommending the audit findings to be forwarded to the Legal Department for appropriate action.

Drafted audit proposal on Empowering Capability / Capacity Build-up of SRA Undertakings, operation and financial audit of LGAREC and audit of Leave Credits.

## **Pre and Post Inspection**

Inspected supplies and materials purchased or repair made were delivered in accordance to approved documents. Conducted pre-repair inspection of equipment of vehicle and reviewed RIS / PR / JR submitted by various offices to determine the necessity / urgency and frequency of request, as per approved Project Procurement Management Plan (PPMP).

## **Budget/Operations Review**

Review of Research Development and Extension (RDE) Project Budget for 2013-2014.

## **Codification of SRA's Sugar Order**

Edited and codified Sugar Orders and Issuances.

## **Project Monitoring and Impact Evaluation**

On-going monitoring of Block Farming and other SRA projects.

## **Bidding**

Conducted Pre-bid Conference and Public Bidding for the following:

- Supply and delivery of various instruments for energy efficiency and conservation for the Sugar Industry Project.
- Supply and delivery of computer system / program database of SRA Information System
- Supply of labor, materials and equipment for the renovation / rehabilitation of SRA Laboratory
- Supply and delivery of one (1) unit brand new Pick-up 4x4 motor vehicle
- Supply of labor, equipment / tools, supplies and materials for the general restoration and painting of SRA Main and Annex Building
- Supply and delivery of one (1) unit of High Performance Ion Chromatography System
- Supply of labor, equipment, supplies and materials for Project A. upgrading / elevation of main entrance gate, B. flood control / drainage improvement system.

## **Trainings Attended**

The IAD staff attended eleven (11) trainings / workshops on Basic Internal Control Concepts and Internal Auditing Principles and Practices, Basic Accounting and Internal Controls for Non-Accountants, Leave Administrative Course for Effectiveness, Tools and Techniques for Internal Auditing, Cash Management and Its Internal Control System, Baseline Assessment of Internal Control System / Control Significance and Materiality, Strategic and Annual Work Planning, Compliance, Operation, Management Audit and Control and Internal Risk Audit.

## **Others**

Review and consolidated SRA's Project Procurement Management Plan (PPMP) for Office Supplies and Equipment CY 2013.

# Planning & Policy Department

The Planning & Policy Department (PPD) formulates short-term; medium-term and long-term plans of SRA in direct coordination with the Office of the Administrator consistent with national policies, mandates of SRA and Master Plan of the sugar industry. The department formulates and prepares policy studies and strategies for implementation; coordinates with other government and non-government entities on matters relating to the sugarcane and SRA. It also provides the Board and Top Management with all the information and statistics necessary for decision-making and policy formulation.

The PPD develops comprehensive communication program for SRA; undertakes the development of Special Projects; serves as the permanent technical working group of the Board and the Administrator and coordinates the development and implementation of Information Systems that will provide the information needs of SRA, the sugarcane industry and the general public.

The PPD consist of three sections, the Planning Section, the Special Projects and Monitoring and Evaluation Section and the Management Information System Section.

## OFFICE OF THE MANAGER III

- Speaker of IBC - Asia Ethanol Summit 2013, Bangkok, Thailand, March 19 - 21, 2013.
- Panellist, Policy Forum on "Opportunities of Sustainable Bioenergy Development: National Experiences and Global Exchange", Berlin, Germany, May 26 - June 2, 2013
- Attended the 1st PHL - Brazil Joint Commission Meeting (JCM) on Bioenergy Including Biofuels, Brazil, September 29-October 6, 2013

## PLANNING SECTION

The Planning Section prepares the reports on Agency Performance Measures for submission to DA/DBM and prepares responses to industry issues and concerns, the section also prepares statistical reports and Briefing Materials for submission to DA / Congress / Senate and the Annual Accomplishment Report of the agency.

### Planning Section Activities

- Preparation / submission of the following reports:
  1. SRA Annual Report
  2. SRA FY 2014 Projects and Budget Proposals for DA Internal Budget Hearing
  3. SRA Physical and Financial Performance Measures 2012, 2013, 2014 (DBM Form 700) required by DBM
  4. Information/materials required by DA for the 2014 Plan and Budget Hearings
  5. Agency Performance Measures and Budget Allocation for 2012, 2013, 2014
  6. Validated SRA Public Investment Program 2011-2016
  7. Budget Briefing Folio 2014 for DA, Congress, Senate Budget Hearing
  8. Programs, Projects, Strategies to be Implemented by SRA consistent with the President's SONA
  9. MFO Budget Matrix 2012, 2013, 2014.

10. MDDC Development Plan Batangas, July 11, 2013
11. MDDC Dev. Plan in Pampanga and Tarlac , July 17,2013
12. MDDC Dev. Plan Negros Occidental, July 22-24,2013
13. MDDC Dev. Plan in Busco, Davao and Cotabato July 31-August 1, 2013.
14. MDDC Dev. Plan in Tuguegarao held on August 7, 2013

- Requests served:

1. Flowchart on the procedure and requirements for export permit on raw and refined sugar, molasses and muscovado.
2. Submitted to F.O. Licht's the Philippine Sugar Industry Directory for the 2014 edition of the World Sugar Directory.

- Trainings / Workshops / Conferences Attended:

1. Plans and Budget Proposal – Baras, Rizal Jan. 15 -17, 2013
2. SRA Budget Review – SRA Quezon City, Jan. 21, 2013
3. AFMP Workshop Regulatory – Batangas, Jan. 22 - 25, 2013.
4. Planning Conference – SRA Q.C., Jan. 28 - 29, 2013.
5. PPP Workshop – Camarines Sur, Feb. 18 - 22, 2013
6. Sugar Industry Food Development and Trade Committee Meeting, March 4, 2013.
7. Internal Budget Review – DA Regions & Attached Agencies – Tanza, Cavite, March 11, 2013
8. 1<sup>st</sup> TWG Meeting for 2013 –Food Defense – Guidelines for the Food Industry, March 26, 2013.
9. Seminar Workshop on Family Ministry – Ateneo de Manila, April 8-19, 2013
10. AFMP Workshop – Regulatory – Sta. Ana Cagayan, April 23-26, 2013.
11. 2<sup>nd</sup> TWG Food Defense Meeting for 2015 – Guidelines for the Food Industry, June 18, 2014
12. GAD Training in Laguna, July 18, 2013
13. Food Defense – Public Consultation NCR, Aug. 21, Sept.18,19 2013.
14. Public Hearing on IRR Price Act, October 25, 2013

## Planning & Policy Department

15. BAFPS TWG meeting Food Defense, Nov. 6, 2013.
16. DTI Export Exhibit, November 11, 2013
17. Workshop on Development Export Module in DA, Nov. 20-22, 2013.
18. Fairtrade Commercial Meeting in Makati, Nov. 27, 2013
19. AFMP – Regulatory Services Workshop – General Santos, Dec. 9-13, 2013

### SPECIAL PROJECTS AND PROJECT MONITORING AND EVALUATION SECTION

#### SPECIAL PROJECTS

- **SUGAR-ACEF**

1. Realignment of savings, unutilized funds and project components of MDDCs and SRA projects were coordinated with the proponents and the same were endorsed to the Sugar Board for approval, viz:

Proponent	Amount	Details
Bais-Ursumco	625,439	From savings/unutilized to additional fund for construction of soils lab and purchase of lab equipment
	150,000	From contingency to reconditioning of lab equipment
Biscom	3,326,975	Realignment of components and price of expanded tractor pool, trucking fleet and training equipment.
Capiz	313,000	From unutilized fund in irrigation to farm implements
La Carlota	28,125	From budget of water tank to additional budget of raw materials
Lopez	115,326	From savings to computer and printer
Pampanga	161,190	From drilling of irrigation facilities to HYV nursery (part of P450,000 SRA-funded nursery)
Pensumil	257,380	From savings and unutilized budget to purchase of canepoints for distribution and propagation
San Carlos	1,568,383	From savings and unutilized budget to hauling truck
Tarlac	14,630	From savings to laptop computer
Victorias	49,576	From savings to GPS units
<b>SRA</b>		
IRD	290,000	From unutilized budget to repair of leaking roofs and purchase of LCD projector
	25,000	
ICT	1,171,800	Realignment of components of ICT

2. There were 3 MDDCs who were assisted for the release of MOOE in the implementation of their projects, viz:

Bais-Ursumco - **P 445,770.00** representing the second release of fund for the renovation of soils laboratory.

La Carlota - representing the second release of fund for the following components of Bio-Organic Fertilizer:

Raw materials (chicken dung, etc.) - P 205,750.00  
Construction of water tank - 28,125.00

3. Status of fund utilization and on-going activities of the project as of December 2013 was also monitored, viz:

#### **FUNDS: Allocation and Utilization**

	<u>Allocation</u>	<u>Utilization</u>	<u>%</u>
MDDC	P 398,963,000	P 394,822,808	(98.96%)
SRA	P 200,580,000	P 197,806,759	(98.62%)
<b>Total</b>	<b>P 599,543,000</b>	<b>P 592,629,567</b>	<b>(98.85%)</b>

#### **On-Going Activities**

##### **A. BIDDING**

Proponent	Particulars	Budget
Bais-Ursumco	renovation of Soils Lab, bidding of lab equipment, glasswares and chemicals	1,388,000
Biscom	implements and office equipment	352,275
Ormoc	1 unit hauling truck	966,684
Tarlac	1 unit netbook	14,630
Larec	1 unit service vehicle	655,760
RDE-Bacolod	Repair of roofs	290,000
Training-QC	Public Address System	262,302
Evaluation / Monitoring	Office supplies	119,590
ICT-QC	RDE Information System	1,171,800
	<b>Sub-total</b>	<b>5,221,041</b>

##### **B.**

#### **MOOE FOR RELEASE**

Proponent	Particulars	Budget
Bais-Ursumco	Renovation of soils lab / recondition equipment	645,439
La Carlota	BOF raw materials and shed house	243,030
Pampanga	Part of HYV Nursery Project	161,190
Pensumil	Purchase of canepoints	257,380
	<b>Sub-total</b>	<b>1,307,039</b>
	<b>GRAND TOTAL</b>	<b>6,528,080</b>

- **BLOCK FARMING**

The concept of block farming is an DAR-DA-SRA initiative hailed as the saving grace or one of the solutions to increase productivity and lessen production costs of farmers, especially the agrarian reform beneficiaries (ARBs).

## Planning & Policy Department

And since sugarcane is the focus of assistance, SRA becomes the service provider of technical assistance hence this project is called National Convergence Initiative for Sugarcane. The idea is to consolidate lands of ARBs into plantation-scale (at least 30 hectares). Farmers come together as workers of the blocked farms and jointly with a professional manager/supervisor to manage the block farms, they will produce sugarcane as one using the best cultural management. This system is highly suitable for a low - resourced farmer since the costs are shared and yields are higher compared to individual farming because land use is maximize due to economies of scale. The system puts utmost importance in planning, decision making and time management. Farmers will be exposed to technical knowledge through farm manager/supervisor and they will understand better the importance of season in sugarcane planting. Block farming will instill confidence among sugarcane farmers when they realize a higher income at reduced costs.

The DAR has identified 16 block farm sites in Phase 1 of the project, while there are 29 sites in Phase 2. SRA has provided interventions on the identified block farm sites and on 2013, there are 28 block farm sites which were monitored as operational.

Name of Block Farm	No. of Enrolees	Area (Has.)
<b>Phase I</b>		
<b>Binhi ni Abraham</b> - Magalang, Pampanga	15	52.197
<b>Lucban MPC</b> - Balayan, Batangas	38	30.70
<b>Kamahari</b> - Nasugbu, Batangas	40	32.50
<b>Damba</b> - Nasugbu, Batangas	40	33.00
<b>Prenza</b> - Lian, Batangas	32	28.30
<b>Kauswagan &amp; Gen. Malvar</b> - Pontevedra, Negros Occidental	89	51.40
<b>PASAMA</b> - Magalang, Pampanga	40	73.589
<b>Hda. Salamat</b> - Pili, Camarines Sur	43	96.95
<b>Minaba MPC</b> - Tampalon, Kabankalan City, Negros Occidental	33	30.28
<b>Vizcaya ARB MPC and Lantangan ARB MPC</b> - Capiz, Iloilo	62	82.519
<b>Manggolod Farmers MPC</b> - Sta. Catalina, Negros Oriental	35	56.40
<b>RAMPUCO</b> - Canlaon City, Negros Occ.	45	61.22
<b>ANARBA</b> - Caputatan, Medellin, Cebu	38	41.7072
<b>BOROC</b> - Ormoc, Kananga, Leyte	35	29.17
<b>J.A. Agro</b> - Quezon, Bukidnon	13	32.713

Name of Block Farm	No. of Enrolees	Area (Has.)
<b>Phase II</b>		
<b>Northern Cluster Producers Coop</b> - Paniqui, Moncada, Ramos, Anao, Gerona, Tarlac	31	47.614
<b>GMJ ARB Coop and ASSMMSA</b> - Lauan, Patnongon and Bugasong, Antique	84	61.986
<b>CUBAY</b> - Passi, San Enrique, Iloilo	31	48.00
<b>DEARBA and HABFA</b> - Escalante, Negros Occidental	78	67.655
<b>PARAISO Food Workers ARB</b> - Cadiz City, Negros Occ.	100	32.852
<b>Hacienda Bernardita</b> - Cadiz City, Negros Occidental	42	32.19
<b>CASA MPC</b> - Talisay City, Negros Occ.	39	35.813
<b>Nagasi ARC and HECARBA MPC</b> - La Carlota, Negros Occ.	41	50.63
<b>SYCIP Plantation Farm Workers</b> - Manjuyod, Negros Occ.	38	53.00
<b>San Julio Farm Workers MPC</b> - Tanjay, Negros Oriental	40	40.00
<b>SAMAC (SURARMFUCO)</b> - Mabinay, Negros Oriental	25	32.00
<b>KASFARBECCO</b> - Bais City, Negros Occ.	24	40.81
<b>LAPAY (LARBEMCO)</b> - Bayawan, Negros Oriental	35	64.93

### • CROP ESTIMATE PROJECT

This project is currently being implemented by SRA which aims to use a more sophisticated method in forecasting crop yield. It has four components: establishment of sugarcane basemaps in all mill districts, installation of weather stations, collection of farm data and computer-assisted crop estimation model.

Physical accomplishments of the project were monitored as:

#### A. On mapping of sugarcane farms

1. Outsource 4 GIS Specialist who work on the generation of baseline sugarcane maps by mill district level.
2. The digitized sugarcane base maps of 3 mill districts were finished and turned-over to respective MDDCs, namely: Victorias, Lopez and Hawaiian-Philippine. The same was also turned-over to RDE Visayas.
3. On going projects in sugarcane farm digitizing and mapping are: Don Pedro, Balayan, Tarlac, Biscom, La Carlota and First Farmers.

## Planning & Policy Department

### B. On collection of farm data

1. Purchased and assigned the following data gathering tools to respective MDOs/assignees:

- ◇ GPS units
- ◇ Refractometers
- ◇ Vernier calipers
- ◇ Weighing scales
- ◇ Soil augers
- ◇ Juice extractor
- ◇ Tally counter
- ◇ Retractable tape

#### • HYV PROJECT

The objective of HYV project is to establish and develop nurseries so that new HYVs would be accessible to sugarcane farmers, particularly the small ones.

In 2013, SRA issued the implementing guidelines on the establishment of SRA-funded nurseries through Memorandum Circular No. 1, Series of 2013. Eligible proponents are MDDCs, planters associations and agrarian reform beneficiaries organizations.

There were 8 project proposals which were evaluated and endorsed to the Sugarcane Variety Committee and Sugar Board for approval.

Proponent	Approved Project/ Amount	Proposed Location/ Variety
Bogo Medellin MDDC Aug 22, 2013	Establishment of HYV Nursery  <b>P450,000.00 for 5 has.</b> @ P90,000.00/ha.	Candangas Phil 99-1793 Phil 2003-1389 San Jose Farmers MPC Phil 99-1793 Phil 2003-1389  Dayhagon Phil 99-1793
Ormoc-Kananga MDDC Aug 22, 2013	Yield Verification Trials  <b>P450,000.00 for 5 has.</b> @ P90,000.00/ha.	Ormoc site & Kanan-ga site. Phil 993-1601 Phil 97-3933 Phil 98-0255 Phil 99-1793 Phil 2000-2569 Phil 2002-0359 Phil 2003-1389
Pampanga MDDCFI Aug 22, 2013	Establishment of HYV Nursery  <b>P450,000.00 for 5 has.</b> @ P90,000.00/ha.	Duplicate trials in 2 separate locations Phil 99-1793 Phil 79-44 (purified) VMC 71-39 32 selections from UPLB
Binhi ni Abraham MPC (Block Farm) Aug 22, 2013	Propagation and Distribution of New HYVs of Sugarcane for Tarlac Mill District  <b>P225,000.00 for 2.5 has.</b> @ P90,000.00/ha.	Concepcion, Tarlac  Phil 99 series

Proponent	Approved Project/ Amount	Proposed Location/ Variety
North Cluster Producers Coop. (Block Farm) Aug 22, 2013	Propagation and Distribution of New HYVs of Sugarcane for Tarlac Mill District  <b>P225,000.00 for 2.5 has.</b> @ P90,000.00/ha.	Paniqui, Tarlac  Phil 99 series
First Farmers MDDCFI Sept 11, 2013	High Yielding Variety Nursery Project  <b>P450,000.00 for 5 has.</b> @ P90,000.00/ha.	Barangay Matabang, Talisay Cadastre, Negros Occidental  Phil varieties such as 99-1793, 97-393
Davao MDDCFI Sept 11, 2013	Establishment of HYV Nursery Project, Production and Distribution of Canepoints  <b>P450,000.00 for 5 has.</b> @ P90,000.00/ha.	Tologan, Guihing, Hagonoy, Davao del Sur  Phil 8013 Phil 8933 VMC 95152
Iloilo MDDCFI Sept 11, 2013	HYV Propagation and Distribution  <b>P450,000.00 for 5 has.</b> @ P90,000.00/ha.	Imbang, Grande  Phil 99-1793 Phil 2000-2569 Phil 2000-00791

#### • SAGIP SAKA

In 2012, Five Million Pesos (P5 million) has been allocated as livelihood assistance for the Block Farming Project of DAR-DA-SRA Convergence Program. The fund was sourced from Senator Kiko Pangilinan's Sagip Saka Project and is meant for improving the productivity of sugarcane farmers, particularly the agrarian reform beneficiaries, through purchase of canepoints and fertilizers. The SRA has identified twelve (12) sugarcane block farm with low farm productivities that need additional financial assistance for farm inputs as beneficiaries of this fund.

In 2013, the Cash Transfer MOA between SRA and DA was prepared for the transfer of Sagip-Saka Funds to SRA. The same was submitted and communicated with the DA but on October 2013, SRA was informed by the DA that the Supreme Court issued a Temporary Restraining Order (TRO) to all PDAF transactions, hence, the Sagip-Saka Fund for sugarcane farmers was not transferred to SRA.

#### • ACCELERATED TECHNOLOGY TRANSFER

This project was developed for implementation for two years, beginning CY 2013-2014 up to CY 2014-2015.

The sugarcane industry, particularly the SRA, has identified a number of proven technologies for increased productivity and reduction of cost of production. To accelerate the introduction, transfer and adoption of the technology, technically - knowledgeable personnel will be hired and deployed in each mill district. They will augment the existing agriculturists assigned in each district. Their primary function is to identify, connect and coach farmers on adoption of the approved

# Planning & Policy Department

approved technologies. To achieve a more workable proportion of 500 farmers per extension worker, the project will involve outsourcing of 100 additional agriculturists. These additional extension workers, preferably agriculture and Agri-related course graduates, will be given a crash course on sugarcane farming, introduced to proven technologies, and given tools on effective extension. They will then be dispersed accordingly based on the size of area covered by each mill district. Their responsibility is to work closely with SRA agriculturists as change agents to hasten the transfer of productive farming systems and sustainable technologies to a large number of sugarcane farmers nationwide.

The objective of the project is to hasten transfer of technologies and sustain delivery of other extension services to the sugarcane farmers until 2015 to develop a more competitive sugarcane farming communities. The project hopes to national average farm productivity target of 70 tons cane per hectare by 2015.

## • BIOETHANOL CONCERNS

Facilitated the requests of bioethanol producers for renewal of registration with the SRA. In 2013, SRA issued Certificate of Registration to the following bioethanol producers:

- ◆ Balayan Distillery
- ◆ Cavite Biofuels, Inc.
- ◆ Far East Alcohol Corporation
- ◆ Green Futures Innovation
- ◆ Leyte Agri Corporation
- ◆ Roxol Bioenergy Corporation
- ◆ San Carlos Bioenergy, Inc.

## REGULAR PROJECTS

1. Consolidated reports (quarterly, semestral and annual) submitted by line departments. The same reports were processed as inputs to BAR Form No. 1 submitted to the Department of Agriculture.
2. Coordinated with the Department of Agriculture for refinements of targets and accomplishments submitted by the Office. (see annexes for the table)

## MANAGEMENT INFORMATION SYSTEM (MIS)

MIS is responsible for IT related reports / request of other government agencies and outside clientele; monitoring system of DA-Agriculture issues; request for system development. It is also the obligation of the MIS to act on the request for enhancement / modification of existing information system, cabling and installation for Local Area Network (LAN) and services. The section also updates SRA Issuances / WEB updates for uploading to Website.

### MIS Activities

- Information Systems created:
  1. Pro\_disburse System QC
  2. Pro\_collect System QC
  3. SRA Budget Management Systems - Visayas
  4. SRA Sugar Production & Monitoring Systems for Block Farm - for development - Visayas
  5. SRA Sugar Liens Collection & Shipping Permits—Visayas
- Information Systems Maintained & Modified
  1. Payroll, Remit, ATM.Servrec, Trainmas System
  2. SRA Accounting Systems, Service Records and Disbursement System—Visayas
- Computer programs created and maintained
- Databases created and maintained
- Report programs created and maintained
- Supervised the status of outsourced system, sub-systems and databases of Sugar Information System (SIS)
- Uploaded and updated 190 webpage files in the SRA website and 141 webpage files in the DA's online Report System (ORS)
- Coordinated with the different SRA offices pertaining to Website updates.
- Supervised the configuration of the Local Area Network (LAN), DSL / WIFI and its connectivities.
- Attended meetings, seminars, trainings and workshops pertaining to ICT projects provided by the following agencies:
  1. DBM's MITHI Plenary Session and E-transaction Proposal
  2. DOST- ICT Office's iGovtPhil Projects on Migration to Government Webhosting Service" (GWHS), Website Migration & training on Content Management System (CMS) for SRA web development, series of consultative meetings in the iGovtPhil Project.
  3. Department of Agriculture's DA-ITCAF on D.A.A.N. website and Online Reporting System (ORS), DA-INTERACT Quarterly Workshop, UEGIS Project Proposal.
  4. Participated in the KABISIG Expo 2013 and the AGRILINK Exhibit 2013.
  5. Prepared and submitted reports to the DA-INTERACT Quarterly Workshops

## *Planning & Policy Dept.*

6. Number of computers installed (Brand New) - 30
7. Number of computers reformatted and OS installed - 40
8. Number of computers scanned - 35
9. LAN & Internet cabling (offices / units) - 150
10. Scanned documents
  - Sugar Orders
  - Circular Letters
  - Invitation to Bid
  - Sugar Prices
  - Vacant Positions Announcements
  - Sugar & Molasses Situations
  - Millsite Prices
  - Sugar Statistics
  - Other Documents

## *Legal Department*

The Legal Department serves as the consulting body of the Sugar Regulatory Administration (SRA) and its employees, on legal matters and issues, either officials and/or personal issues.

The Legal Department is headed by Atty. Raul M. Labay as Atty. VI who retired from the service last year. After his retirement, Atty. Ignacio S. Santillana, Atty. V of the Legal Department, Bacolod Office, was appointed as Officer - In -Charge (OIC) of the Legal Department.

All pleadings related to or to be filed with the concern Courts, such as Regional Trial Courts, Court of Appeals and the Supreme Court were being prepared by its lawyers, with the help of its staff on some matters. Filing thereof is usually done by its Legal Researchers.

The Department was tasked to draft contracts, such as Deed of Absolute Sales, Deed of Donations, Memorandum of Agreements and the likes, executed between SRA, as represented by its Administrator, Ma Regina Bautista-Martin, and a representative of the Lessees and other contracting parties and in charge in the notarization of the said documents after signing.

It is also the undertaking of the Department to conduct Administrative Investigation on all matters arising from complaints to its issuances, such as Sugar Orders, Memorandum Circulars and to conduct investigations to its erring employees.

For the Year 2013, the Legal Department has handled nine (9) cases which were still pending in various courts and six (6) administrative cases of which two (2) cases were already resolved, three (3) were still pending awaiting resolutions at the Office of the Secretary of the Department of Agriculture and one (1) was still under investigation.

The Department rendered 650 opinions/advises and Legal assistance to key operational departments and drafted /renewed ten (10) Contracts.



# *Administrative Department - Luzon & Mindanao*

The SRA Administrative and Finance Department – Luzon and Mindanao area is composed of three (3) Divisions namely: Accounting, Budget and Treasury Division and General Administrative Division. Each Division has its individual, specific and detailed functions, duties and responsibilities that are translated into programs, projects and activities which are the basis and yardsticks in measuring and determining the consolidated performance and accomplishments of the Department.

## **BUDGET AND TREASURY DIVISION**

The Corporate Operating Budget (COB) for CY 2013 and the Proposed Corporate Budgetary Requirement (PCBR) CY 2014 was submitted to SRA Board for approval and endorsement to the Department of Budget and Management (DBM). The COB was approved in the total amount of four hundred sixty eight Million (468M).

A total collection of four hundred seventy two Million (472M) for CY 2013 exceeded the projected revenues of four hundred forty eight Million (448M). The collection includes fees previously treated as trust funds.

Remitted Php 28,690,130.17 to the Bureau of Treasury as FY dividend share to the National Government as well as Php 24,454,894.89 remitted to BIR as tax due for collection of trust accounts and reclassified as corporate income per COA audit memorandum.

An initial of Php 7,476,500.00 was transmitted to the University of the Philippines, Los Baños (UPLB) on May 24,2013 to fund the Scholarship Program of SRA and monthly stipend of Php 8,000 each for eleven (11) undergraduate scholars and Php15,000 each for the two (2) graduate studies scholars.

Security Bonds, High Yielding Accounts, fund transfer to the regional offices and other financial transactions were monitored, reviewed, negotiated and make recommendations to management the most advantageous to the agency.

Assisted in processing the applications of newly designated special disbursing officers as well as the renewal application of the bonded officers in coordination with the Bureau of Treasury. Lastly, submitted reports and other requested financial data transmitted / provided to the requisitioning offices.

## **ACCOUNTING DIVISION**

Inherent to the functions of Accounting Division are the preparation and submission of the Annual Consolidated Financial Statements of the Sugar Regulatory Administration (Q.C. and Bacolod), Notes to Financial Statements, Journals schedules and other various reports for the year 2013 to the Commission on Audit (COA), preparation of monthly Consolidated Financial Statements with supporting journals and schedules for 2013 and preparation of Compliance Report to DA, GCG,DOF and COA.

The Division processed and pre-audited three thousand four hundred thirty (3,430) disbursement vouchers, payrolls, purchased / job orders and other claims for payments, and prepared four hundred seventeen (417) certificates of GSIS / Pag-ibig / Philhealth dues / loan payments per request of employees.

They issued one thousand five hundred four (1,504) VAT Certificates to suppliers, four hundred eighty nine (489) billing statements were also issued and forwarded to SRA tenants and clientele.

Preparation and printing of SRA Q.C. and Bacolod payrolls such as monthly salaries/allowances, RATA and other employees benefits bonuses; control, printing and remittance to BIR of taxes withheld from employees and suppliers, premiums and various loans to GSIS, Pag-ibig, Philhealth SURECCO, MAP and other trust deductions.

Reconciled reports / accounts of collection and deposit reports from collecting field officers as validated with On-line report from Land Bank, cash in bank accounts, receivables and payables, PPEs and inventories, depository trust fund accounts.

The Division monitored payments of SRA tenants and sent demands letters to clientele for collection purposes, made representations on public biddings and attended meetings and disposal of unserviceable properties of SRA, COA matters and other concerns; seminars for employees updates and self / work attitude improvement.

## **GENERAL ADMINISTRATION DIVISION**

The General Administrative Division is responsible in formulating and implementing policies / guidelines, system and procedures related to job organization and information. The Division also manages the manpower training and development and welfare programs of SRA, personnel records and official files/documents for mailing and safekeeping.

The division manages the manpower training and development and welfare programs of SRA, the personal records and official files / documents of the office for mailing and safekeeping. It also undertakes planning, scheduling, monitoring and evaluation of all construction, maintenance and repair of all buildings, facilities and vehicles of SRA, procurement of office equipment, supplies and materials and

# Administrative Department - Luzon & Mindanao

## General Administrative Division cont..

monitors timely payment of space rentals, monthly billings of electrical, water, communication facilities in the compound. A special library for sugar is likewise being maintained for the researchers and students.

The unit under the General Administrative Division and their corresponding accomplishment for the year under review are as follows:

## TRANSPORT AND BUILDING MAINTENANCE

Transport and Building Maintenance Unit manages the maintenance of SRA Building and other premises including its facilities, electrical connection / equipment's, grounds, and water and drainage systems. Also the unit undertakes maintenance of generators and three units of elevators, planning, scheduling, lay-outing, and maintenance of lessee's spaces for rent. In charge of releasing and evaluating of documents, either for safekeeping, maintenance or for sale of SRA owned properties at Sugartowne. The outsourcing of construction including technical lay-outing / design, documentation is likewise being done by the unit and also does the actual construction and repainting of offices with the assistance of the laborers under job order arrangement. The unit likewise inspect the condition of all eleven vehicles, maintain and repair if warranted and assist the Property and Maintenance Unit in procurement of vehicle spare parts and reconditioning activities.

The accomplishment includes the plumbing, repair of water supply and sewer line at an average of 150 per quarter, cleaning of the air-condition units, maintenance of SRA garden, plants and grounds, maintenance and repair of motor pool vehicles, installed, replaced electrical fixtures, completed Repair / renovation of SRA Administrative Building and prepared plans, specification and detailed estimates on upgrading / elevation of Main Entrance gate.

The Unit also monitored and inspected the rehabilitation / de-clogging of the drainage system, the general restoration and painting of SRA Main and Annex Building, painting of overhang concrete slabs, rehabilitation of male and female comfort room at the Social Hall, completed re piping of water pump discharge pipelines, painting of the inside structural concrete column, beam and stairs and resealing of aluminum glass sliding and fixed window at the main stairs of the main building.

## PROPERTY AND PROCUREMENT

Undertakes the procurement of office equipment, supplies and materials as well as the updating of properties and equipment ledgers. Tagged as the Staff behind the successful

implementation of the programs, projects and activities of other departments / offices mainly because they worked on the preparation of documents leading to procurement of inputs or materials, equipment, supplies including labor (i.e. Purchase / job request, purchase / job orders, canvas and delivery). These items were categorized as expendable, semi-expendable and non-expendable properties entered in the journal for easy verification and audit purposes. They likewise maintained memorandum receipt of all employees subject to verification and inventory to check the physical condition or serviceability of the equipments.

The accomplishment for the year 2013 includes the preparation / processing of Job Orders on repair of equipment; publication of structural and services less the one million in the Philippine Government Electronic Procurement System (Philgeps); hiring of pakiao employees; structural services; prepared and processed 855 purchase request, 189 abstract of quotation, 187 canvass and 85 pre repair inspection.

The unit also prepared vouchers based on the Purchase Order or a Services; issued supplies and materials to various end-users; issued Inventory Custodial Slip (ICS) and Property Acknowledgement Receipt (PAR), registered motor vehicles, paid the insurance of SRA Buildings including those in LAREC, Pampanga and made physical inventory of property, plant and equipment.

## HUMAN RESOURCE

Focal unit in charge of recruitment and selection, training and or staff development, movement / details / assignments of personnel, transfer, promotions and processing the retirement papers. Coordinated the training, scheduled seminar / workshop, health and wellness programs for the benefits of all employees. Maintain management of personnel records (201 files), in charge of all personnel transactions and acts in all request and documentation for the issuance of appointment. Conduct evaluation of employees' compliance to Civil Service rules and regulation.

For the year 2013, HR updated Plantilla of personnel for submission to the Department of Budget and Management, Civil Service Commission and Department of Agriculture. The unit also processed the last tranche of salary adjustment for employees.

Out of ninety one (91) vacant positions that were published, one hundred thirty (130) candidates were screened / evaluated. Conducted preliminary evaluation, prepared comparative assessment tabulation and other supporting documents for deliberation of the PSB. HR is continuously coordinating with the Philippine Heart Center re: administration of psychological examination applicants.

# **Administrative Department - Luzon & Mindanao**

A total of twenty (20) appointments and fourteen (14) contracts of services / job orders were processed.

HR updated leave cards and processed seventy five (75) applications for monetization of leave credits. Evaluated payrolls / receivables of employees in relation to their salaries, wages and benefits. At present SRA have two hundred eighteen regular plantilla positions, four contractual and six job orders. It also prepared / drafted one hundred ninety five (195) Special Orders for personnel movements, assignment for review / correction of the division chief.

Two (2) staff were assigned alternately as liaison officers to GSIS, Pag-ibig and Philhealth, a total of 131 loan applications, provident benefits and claims were filed and processed. One staff acted as liaison officer to the Department of Foreign Affairs (DFA) to follow travel authorities and other relevant documents of key officials and employees. A total of twenty (20) travels were processed and approved by the proper authorities.

A total of six hundred seventeen (617) communications, certificates of service records, employment and compensation, queries and requests of other agencies which concern employees were given prompt actions and lastly HR printed / issued one hundred fifteen (115) identification cards to employees of Quezon city, LAREC, Bacolod and La Granja office.

## **RECORDS / LIBRARY**

Undertakes updating and up keeping of physical records of SRA. For year 2013, Record Section have delivered 186 special orders, 16 sugar orders, 49 memorandum and other relevant information, materials to industry stakeholders for the continued viability and sustainability of the sugar industry. It also provides library materials and services to SRA personnel / researchers and other SRA clients. The SRA Library maintains the sugar publications, books and periodicals.

The units provided assistance to officials and employees in retrieval of issuances for reference purposes, photocopying and duplication activities of official documents and letterheads. For 2013, more than 20,000 documents were released / faxed to government, private offices and individuals, 1,503 Administrative Issuances, Circular Letters, Sugar Orders, Special Orders, Travel Orders and other documents were recorded, likewise received and recorded 3,442 in - coming documents from SRA Bacolod, Field Office and other Government and Private Offices.

## **MEDICAL**

The medical unit rendered assistance to employees in times of emergency, responded to calls from different divisions regarding health conditions that needed referral to the nearest hospital, processed Mutual Assistance Program (MAP) and disbursement vouchers to the bereaved family of thirty nine (39) SRA MAP members, requested and purchased monthly medical supplies, dispensed over the counter medicines for minor aches such as hypertension, fever, etc., performed wound dressing. Also assisted the Unilab Medical Team in administering the third and last shot of Hepa-B and Flu vaccines.

## **Other Administrative Works**

Facilitated and coordinated sports and Christmas program and other activities, prepared and facilitated the renewal of Contract of Lease between SRA, NFA, Lopez canteens and MCM Adarne Media Expert Trading, coordinated with NFA, Land Bank, PNB and other canteen concessioners on the issues / concerns related to space rentals, statement of accounts and payments and building maintenance / upkeep. Monitored the rentals of 1,246 transient vendors, rentals of Social Hall, Training room and dormitories as additional earnings for SRA and employees welfare fund.

Prepared a total of 372 communications / memorandum to different agencies and SRA's lessees on different issues and concerns and reviewed and initialled 3,190 communications from all sections/units of the divisions.

Reviewed the Performance Appraisal Reports of 30 administrative personnel for signature of the Department Manager. Attended 45 consultative meetings as representative to Bid and Awards Committee, Disposal Committee, Personnel Selection Board, Personnel Development Committee and assisted Welfare Fund Committee in the discharge of the functions to achieve its goals and functions and consolidated monthly and annual accomplishment reports of the five sections under the Administrative Division.

# Administrative Department - Visayas

## **GENERAL ADMINISTRATIVE SECTION**

The General Administrative Division is responsible in formulating and implementing policies / guidelines, system and procedures related to job organization and information. It also manages the manpower training and development and welfare programs of SRA, personnel records and official files/documents for mailing and safekeeping. It also undertakes planning, scheduling, monitoring and evaluation of all construction, maintenance and repair of all buildings, facilities and vehicles of SRA and the procurement of office equipment, supplies and materials .

The unit under the General Administrative Division of Visayas and their corresponding accomplishment for the year under review are as

### **TRANSPORT AND BUILDING MAINTENANCE UNIT**

Transport and Building Maintenance Unit is in-charge of transport / building and ground maintenance, dispatched SRA vehicles and supervised the cleanliness and beautification of the office on a daily basis. It also inspected forty eight (48) Job Orders and seventy seven (77) replacement parts of Bacolod properties and equipment, processed eighty two (82) purchase request and eighty three (83) job requests for maintenance / transport operation.

The unit signed 207 Budget Utilization Report (BUR), 162 disbursement vouchers for utilities and other Administrative expenditures, evaluated 168 Abstract of Quotations as RABC, TWG and wrote 20 different official letters. Furthermore, the unit facilitated the awarding of a three (3) year contract for the supply of janitorial services.

### **RECORDS MANAGEMENT**

Records Unit received, released and recorded all incoming and outgoing documentation from SRA-Q.C., LGAREC Mill District Offices, other SRA Departments and other agencies (government and private), disseminated memoranda, correspondences, Sugar Orders, Circular Letters and other communication that needs appropriate action.

The unit also mailed/delivered check allowances, TEV's of field-men, office rentals, electricity, water and telephone bills etc., released requested documents to various clients such as Weekly Factory Statement, Raw Sugar Production, Raw and Refined Molasses and generated Php 77,850.00. The unit also generated Php 11,388 from photocopying services rendered to clients from government and private sectors.

### **ACCOUNTING UNIT**

The Accounting Unit aims to enforce policies, rules and regulations on all financial transaction and payments which are subject to government accounting and auditing rules and regulations and to generate timely Financial Reports and supporting schedules in Visayas Office.

The unit has validated and processed 3,718 Disbursement Vouchers, 2,103 Journal Entry Vouchers, 274 Liquidation Reports, 1,040 Job and Purchase Orders, 1,093 Tax Certificates to suppliers and 244 Tax Certificates of employees. It also generated Financial Reports and Trust Fund Utilization of the Corporate, ACEF and Block Farming Funds.

The unit processed Trust Funds utilization of other projects and Cooperative studies of DOST-Sugarcane Genomics, Philvin Trading for High Yield Fertilizers, Planters Products Inc. Cooperative Study, AGMOR Inc., NOVOENZYMES and FMC Phils. For Bioefficacy and Pesticides Residues Trial.

The Accounting Unit partially reconciled reports on Physical Inventory of SRA properties against record per Books, reconciled reports of Special Collecting Officers against deposits per bank statements, arranged and generated Annual Report of Remittances to BIR and submitted the Alpha List of Tax Withheld from employees and suppliers of goods and services, and lastly reconciled accounts such as Cash in Banks, Current Receivables due from officers and employees, property and supplies inventory, cash advances subject to liquidation and due to other government institutions.

# *Administrative Department-Visayas*

## **BUDGET AND TREASURY UNIT**

The Budget Unit continued to pursue its direction in providing on-time reports and monitoring of budget for the Sugar Regulatory Administration.

For CY 2013 the unit has processed 3,442 Budget Utilization Requests, 797 Job Orders, 231 Purchase Orders and 2,414 Disbursement Vouchers.

Budget Unit generated budget reports which include monthly summary of Budget Utilization Request for PS, MOOE and Equipment Outlay reconciled to Budget Monitoring Report; Monthly incurred expenses for Personal Services and MOOE; up to date expenses for each department; subsidy ledger for each account for PS, MOOE and EO for GASS, SO, RDE and Regulation Department – monthly and to date; per unit expenses and budget balances; tabulation of travel expenses of individual employees; capital equipment purchases and quarterly budget monitoring for each department and their corresponding expenses for each project submitted to Quezon City Planning Office.

The database program for the computerized entry of budget transactions to generate on time earmarking of expenses and submission of reports were 97% completed.

The Treasury unit issued 2,111 checks amounting to Php 78,444,113.20 and issued 4,832 Official Receipt both Corporate Fund and Shipping Permit, the equivalent amount received totalled Php17,637,269.29.

## **PROPERTY AND PROCUREMENT UNIT**

The Property and Procurement Unit witnessed and facilitated the turn-over of properties of eight (8) retiring employees as well as effect the transfer of properties of three (3) employees transferred to a new assignment / work area.

Carried out the annual conduct of the physical inventory of property, plant and equipment under the accounts of SRA-Visayas with Accounting and COA representatives.

For 2013, Property Unit has written off all Sugar ACEF-funded properties amounting to Php233M with corresponding Property Acknowledgement Receipt (PAR) renewed and issued to the different MDDC chairmen.

Two physical inventories of office supplies being stored at the Supplies Depot were conducted and monthly consumption reports of Stock Balances were submitted to Accounting Unit, A total of Php285,493.72 worth of supplies were released to the different offices supported by Request Issuance Slips.

Administered disposal pre-requisites in the disposal of unserviceable properties through public bidding, the unserviceable properties would then be inspected and appraised by COA Technical Audit Specialist for its disposal. Target for disposal would be in the first quarter of 2014.

Maintained regular dialogue with Accounting Unit for purposes of book reconciliation of fixed assets against physical count, of late, a total of Php3M were identified by Accounting as reconciling items against Property Books.

## *Office of the Asst. Administrator - Visayas*

The Office of the Assistant Administrator is responsible for the supervision and implementation of policies pertaining to the administrative, research, development and extension functions of SRA-Visayas. This also involves Chairmanships in various committees such as the Regional Bids and Awards Committee, Asset Management and Disposal Committee, Regional Grievance Committee and Regional Praise Committee, SRA Committee on Housing and the SRA Housing Project Committee.

Relative to its duties and functions, the Office of the Assistant Administrator was in direct supervision of the following:

- The procurement and payment of operational expenses through the approval of documents which included Purchase Order, J.R., P.R., J.O., Request Issue Slips, Notice of Award and Abstracts of Quotation, Budget Utilization Requests, Disbursement Vouchers and checks.
- The conduct of eleven (11) public biddings by the Regional Bids and Awards Committee, conduct of three (3) public auctions for SRA-Visayas unserviceable properties by the Asset Management and Disposal Committee
- Official travels of personnel with approved travel documents, personal development through the approval of resolutions and recommendations by the Personnel Development Committee, Regional Personnel Selection Board, Grievance Committee, Housing Committee and with the Department Manager, Division Chiefs, Unit Heads and Supervisors.
- Monitoring of sugar production, withdrawals, inventories, coastwise movements, trading, etc. through the approval of various applications which included Certificates of Registration as Sugar, Molasses and Muscovado traders, Certificates of Exchange Authority, Certificates on the Verification of "D" World Market Quedans and Letters to Mills on Regular Swapping
- Monitoring of research, development and extension programs through the approval and recommendation of research projects on sugarcane farming, conduct of SRA technology trainings and seminars, HYV distribution, vermicomposting and BMO production, Trichogramma production, block farming and crop estimation surveys, environmental monitoring and energy audit of sugar mills and refineries.

# *Gender And Development*

## **Gender and Development (GAD)**

### ***Gender Sensitivity Trainings***

GST trainings were conducted for cane farmers/workers in nine (9) mill districts in Luzon/Mindanao attended by 675 participants. A total of 625 copies of comics entitled “Wastong Pamamaraan ng Pagtutubuhan “ were also distributed to the participants.

### ***Farming Skills and other Sugarcane Related Skills Training.***

A seminar on farm management skills for rural women was conducted in four (4) mill districts in Luzon / Mindanao with 240 rural women participants, while fifty (50) rural women participants participated in a separate seminar on farming skills development conducted in the Visayas. A seminar on wine, vinegar and muscovado making was also conducted in Cotabato with forty-five (45) rural women participants. IEC materials on wine, vinegar and muscovado- making were also distributed to the participants.

### ***Other Activities.***

GAD Luzon / Mindanao & Visayas conducted Planning Workshop and seminar, participated in GAD related projects /activities such as the National Women’s Month and Rural Women’s Month, GAD-TWG meetings, conducted workshop on “Strengthening Family Relations”, formulation of gender - responsive guidelines on SRA’s field personnel’s protection services and welfare program, conduct of trainers’ training, attendance to training / workshops related to counselling under the supervision of the HRD etc.

# Planning & Policy Department

## AGENCY PERFORMANCE REPORT CALENDAR YEAR 2013

Agency: SUGAR REGULATORY ADMINISTRATION

Source of Fund: Corporate Fund

PROGRAM / ACTIVITY / PROJECT BY MFOs / BY FIELDS	PERFORMANCE INDICATOR	PHYSICAL ACCOMPLISHMENT		
		Targets	Accomplishment	% Accomplished
- Variety sourcing, development, propagation & distribution	<b>No. of planting materials distributed (canepoints &amp; plantlets) pcs.</b> - No. of Canepoints - No. of Plantlets (pcs.)	6,350,000	6,333,047 6,216,585 116,462	100
- HYV Propagation & Distribution	- No. of beneficiaries of planting materials	148	241	163
- Integrated Pest Management	<b>Biological agents distributed</b> - No. of Trichogramma (pcs.)	15,000	20,791	139
- Soil Improvement Through Proper Fertilization	<b>Soil analysis</b> - No. of soil samples analysed	3000	7031	234
	<b>No. of individuals provided with other services</b> - No. of trichogramma beneficiaries - No. of planters served for soil analysis	64 339	70 2688	109 793
	<b>Production-related R &amp; D activities</b> Conducted			
	- Completed	26	24	92
	- Continuing	28	28	100
	- New	2	10	500
	<b>Production facilities</b>			
	- Nurseries maintained	2	2	100
	- Nurseries monitored	-	79	
	- Tissue culture lab maintained (Tricho lab)	1	1	100
	<b>Research facilities</b>			
	- Laboratories maintained	11	11	100
<b>EXTENSION SUPPORT, EDUCATION &amp; TRAINING SERVICES</b>				
- Capability building of farmers through Outreach Programs & Trainings in Sugarcane Farming	- Training activities conducted for Extension Personnel - No. of Extension Personnel trained - No. of trainings events conducted - No. of farmers trained - No. of IEC materials disseminated - No. of farmers/beneficiaries - No. of Techno-Demo farms established - No. of Techno-Demo farms maintained - No. of block farms assisted - No. Operational (Block Farms w/ Farm Plan)	1 94 129 2,270 4,515 2270 - - 20 20	5 59 89 2,903 5230 3948 2 20 22	500 63 69 128 116 174    110
<b>MFO 2. REGULATIONS DEVELOPED, IMPLEMENTED, MONITORED AND ENFORCED</b>				
- Issuance of Regulatory Documents in Accordance with SRA Sugar Policies	- No. of Certificates Issued - No. of Clearances issued - No. of Licenses issued	3,037 1,347,015 34	3,866 1,314,233 35	127 98 103
- Sugar Quality Assurance	- No. of Shipping permits issued	14,872	16,460	111
- Environmental Monitoring Of Sugar Mills	- No. of Product Standards implemented - No. of mills monitored - No. of air samples analysed - No. of wastewater samples analysed	2 - - -	2 18 202 15	100
<b>MFO 3. PLANS AND POLICIES DEVELOPED, IMPLEMENTED, MONITORED AND EVALUATED POLICY FORMULATION FOR THE SUGAR INDUSTRY</b>				
- Dissemination of SRA policies And industry updates	- Circulars, Administrative Orders, Policies on Sugar Issued - No. of Monitoring and evaluation reports disseminated - Information system/database developed/maintained - ICT facilities maintained - Website hits	50 8 - 126 60,500	47 9 17 125 48,402	94 113 99 80



# *Raw Sugar Production*

## *CY 2012-2013 & 2011-2012*

<b>SUGAR MILLS</b>	<b>CY 2012-2013 (In Metric Tons)</b>	<b>CY 2011-2012 (In Metric Tons)</b>
<b>PHILIPPINES</b>	<b>2,465,116</b>	<b>2,244,131</b>
<b>LUZON</b>	<b>314,719</b>	<b>306,276</b>
Batangas	45,586	31,632
Carsumco	21,271	20,734
Don Pedro	135,305	140,163
Pensumil	14,044	14,724
Sweet Crystal -Porac	18,674	22,811
Sweet Crystal - SF	7,472	11,011
Tarlac	72,367	65,201
<b>NEGROS</b>	<b>1,437,263</b>	<b>1,280,112</b>
Bais	55,827	51,700
Biscom	192,056	170,710
First Farmers	68,031	60,941
Hawaiian-Philippines	104,856	87,931
La Carlota	205,940	175,930
Lopez	144,041	121,727
Ursumco	64,104	65,795
Sagay	76,659	73,934
Sonedco	144,666	122,842
Tolong	26,372	26,156
Victorias	351,091	320,003
OPTION-MPC	3,620	2,443
<b>PANAY</b>	<b>143,349</b>	<b>127,446</b>
Capiz	43,069	39,070
Passi I	39,394	37,437
Casa	60,886	50,939
<b>EASTERN VISAYAS</b>	<b>71,319</b>	<b>66,807</b>
Bogo-Medellin	29,831	26,728
Durano	-	657
Kananga	41,488	39,422
<b>MINDANAO</b>	<b>498,466</b>	<b>463,490</b>
Busco	228,934	230,395
Cotabato	48,372	43,227
Crystal	161,378	136,757
Davao	59,782	53,111

## Raw Sugar Withdrawals by Sugar Class

*cy 2012-2013 and cy 2011-2012*

MILL DISTRICT	As of August 31, 2013 (MT)				As of August 31, 2012 (MT)			
	"A"	"B"	"D"	Total	"A"	"B"	"D"	Total
<b>PHILIPPINES</b>	<b>53,734</b>	<b>2,184,512</b>	<b>166,939</b>	<b>2,405,185</b>	<b>196,752</b>	<b>2,029,866</b>	<b>295,579</b>	<b>2,522,197</b>
<b>LUZON</b>	<b>-</b>	<b>325,534</b>	<b>312</b>	<b>325,846</b>	<b>-</b>	<b>306,002</b>	<b>31,902</b>	<b>337,904</b>
Batangas	-	42,853	111	42,964	-	29,088	5,598	34,686
Carsumco	-	19,795	-	19,795	-	21,522	-	21,522
Don Pedro	-	143,310	-	143,310	-	146,264	22,167	168,431
Pensumil	-	14,880	-	14,880	-	19,823	-	19,823
Sweet Crystal -Porac	-	21,433	-	21,433	-	21,301	-	21,301
Sweet Crystal - SF	-	9,267	-	9,267	-	8,289	-	8,289
Tarlac	-	73,996	201	74,197	-	59,715	4,137	63,852
<b>NEGROS</b>	<b>33,954</b>	<b>1,188,896</b>	<b>141,589</b>	<b>1,364,439</b>	<b>145,564</b>	<b>1,101,748</b>	<b>194,971</b>	<b>1,442,283</b>
Bais	84	54,802	88	54,974	573	48,975	11,486	61,034
Biscom	10,799	137,213	28,987	176,999	38,857	109,224	53,544	201,625
First Farmers	3,470	59,336	6,556	69,362	11,281	45,328	9,994	66,603
Hawaiian-Philippines	4,305	89,717	7,503	101,525	11,828	74,458	17,013	103,299
La Carlota	9,911	89,578	76,100	175,589	50,695	107,800	57,581	216,076
Lopez	1,709	135,186	3,241	140,136	3,781	117,587	5,712	127,080
Ursumco	397	64,386	490	65,273	344	56,375	7,463	64,182
Sagay	-	73,011	640	73,651	1,375	75,471	8,664	85,510
Sonedco	2,696	137,175	6,090	145,961	12,468	96,489	15,800	124,757
Tolong	301	21,053	3,121	24,475	1,945	23,011	3,776	28,732
Victorias	9	324,292	8,694	332,995	12,362	344,835	3,781	360,978
OPTION-MPC	273	3,147	79	3,499	55	2,195	157	2,407
<b>PANAY</b>	<b>-</b>	<b>136,788</b>	<b>8,941</b>	<b>145,729</b>	<b>2,135</b>	<b>126,085</b>	<b>12,281</b>	<b>140,501</b>
Capiz	-	36,313	6,914	43,227	1,929	33,970	3,986	39,885
Passi I	-	38,158	2,027	40,185	206	41,795	656	42,657
Casa	-	62,317	-	62,317	-	50,320	7,639	57,959
<b>EASTERN VISAYAS</b>	<b>-</b>	<b>72,927</b>	<b>-</b>	<b>72,927</b>	<b>53</b>	<b>72,756</b>	<b>4,602</b>	<b>77,411</b>
Bogo-Medellin	-	30,100	-	30,100	-	28,752	509	29,261
Durano	-	511	-	511	53	4,090	123	4,266
Kananga	-	42,316	-	42,316	-	39,914	3,970	43,884
<b>MINDANAO</b>	<b>19,780</b>	<b>460,367</b>	<b>16,097</b>	<b>496,244</b>	<b>49,000</b>	<b>423,275</b>	<b>51,823</b>	<b>524,098</b>
Busco	-	235,495	7,041	242,536	20,703	247,007	2,130	269,840
Cotabato	6,501	42,939	-	49,440	3,917	30,733	9,025	43,675
Crystal	6,226	128,336	9,056	143,618	21,617	96,423	40,568	158,608
Davao	7,053	53,597	-	60,650	2,763	49,112	100	51,975

**Refined Sugar Production**  
**Crop Years 2012-2013 & 2011-2012**

REFINERIES	CY 2012-2013 (In 50 Kg-Bag)	CY 2011-2012 (In 50 kg-Bag)
<b>PHILIPPINES</b>	<b>21,097,909</b>	<b>18,723,731</b>
<b>LUZON</b>	<b>4,069,391</b>	<b>3,572,003</b>
Batangas	169,830	160,779
Carsumco	238,659	256,557
Don Pedro	2,395,273	2,265,664
Tarlac	1,265,629	889,003
<b>NEGROS</b>	<b>13,906,241</b>	<b>12,100,286</b>
Biscom	1,107,818	692,542
First Farmers	308,702	343,472
Lopez	3,318,562	2,885,927
Ursumco	1,032,894	875,818
Sonedco	1,867,230	1,270,718
Victorias	6,271,035	6,031,809
<b>EASTERN VISAYAS</b>	<b>125,739</b>	<b>91,831</b>
Kananga	125,739	91,831
<b>MINDANAO</b>	<b>2,996,538</b>	<b>2,959,611</b>
Busco	2,664,121	2,592,970
Cotabato	11,811	12,091
Davao	320,606	354,550

**Refined Sugar Withdrawals**  
**Crop Year 2012-2013 & 2011-2012**

REFINERIES	CY 2012-2013 (In 50 Kg-Bag)	CY 2011-2012 (In 50 kg-Bag)
<b>PHILIPPINES</b>	<b>20,495,655</b>	<b>18,897,432</b>
<b>LUZON</b>	<b>3,321,763</b>	<b>3,471,039</b>
Batangas	163,723	160,779
Carsumco	266,824	253,501
Don Pedro	1,694,624	2,024,392
Tarlac	1,196,592	1,032,367
<b>NEGROS</b>	<b>13,799,565</b>	<b>12,410,042</b>
Biscom	1,000,561	509,095
First Farmers	305,591	347,286
Lopez	2,978,499	3,546,899
Ursumco	1,096,267	728,806
Sonedco	1,961,861	1,263,836
Victorias	6,456,786	6,014,120
<b>EASTERN VISAYAS</b>	<b>124,563</b>	<b>261,893</b>
Kananga	124,563	261,893
<b>MINDANAO</b>	<b>3,249,764</b>	<b>2,754,458</b>
Busco	2,825,783	2,362,775
Cotabato	15,895	10,965
Davao	408,086	380,718

# Research, Development & Extension - Luzon & Mindanao

## HYV CANEPOINTS DISTRIBUTION AND SOIL, CANE JUICE AND OTHER SPECIAL ANALYSES BY LAREC IN 2013

Total No. of HYV Canepoints: 123.9685 lacs (1,239,685 pieces of 3- eye canepoints)

No. of Recipients : 66 sugarcane farmers in Pampanga, Tarlac and Batangas

Recipient of canepoints

Variety	No. of Lacs	Sale, Php	Recipient	Mill District
Phil 99-1793	14.5125	29,025	Benjamin Canicas Jimmy Lindon	Tarlac, DAR- JICA, Tarlac
Phil 7544	2.3	4,600	Jerome Lusung Jay Reyes	Pampanga
Phil 99-1793	1.3	2,600	Jannario Rivera	
Phil 99-1793	1.0	2,000	Noel Rosales	
Phil 99-1793 Phil 00-2569	11.2 (11 lacs purchased + 2,000 pieces given free)	22,000	To 23 members of 4 cooperatives who attended DAR-JICA training	Batangas
			PRENZA MPC	
			Zenaida J. Jonson	
			Estrelita N. Martinez	
			Eugenia C. Marasigan	
			Emerson N. Martinez	
			DAMBA MPC	
			Juan B. de Villa	
			Ana M. Caisip	
			Zosimo C. Perez	
			Ruben B. Barangas	
			Artemio De Guzman	
			KAMAHARI - ABMPC	
			Jaime G. Cruzada	
			Juan CI Casilihan	
			Luciano Mayari	
			Eriberto Maulion	
			Bonifacio L. De Leola	
			Saturnino L. Maringat	
			Fernando Rodriguez	
			Francisco Baylosis	
			LUCBAN MPC	
			Edrlina V. Maulion	
			Angeline B. Mayuga	
			Aldwin A. Igaya	
			Dennis Laurence A. Aplon	
			Jesus C. Maulion	
			Estrelita Salazar	
Phil 99-1793	8.0	16,000	Arnel Toreja	Batangas
			Aileen Reyesl	"
			Carmela Reyes	"
			Valentine Hernandez	"
			Rogelio Valencia Jr	"
Phil 99-1793	21.0	42,600	Gerald Agapito	Pampanga
			Eric Guzman	"
			Larry Dayag	"
			Ronnie MOnina	"
			Jose Tolosa	"
			Enrico Meneses	"
Phil 99-1793	4.0	8,000	Jerry Payumo	Pampanga

## Research, Development & Extension - Luzon & Mindanao

Variety	No. of Lacsas	Sale, Php	Recipient	Mill District
Phil 99-1793	21.816	43,632	Arthur Tolentino	Pampanga
			Arsame Tolentino	"
			Conrado Santos	"
			Renato Tolentino	"
			Roberto Ignacio	"
			Avelino Tolentino	"
			Victor Manalastas	"
Phil 99-1793	3.0	6,000	Angeiita Cannibas	Tarlac
Phil 99-1793	5.0	10,000	Jeffrey Pinpin	Pampanga
			Mario Casupanan	"
Phil 99-1793	5.0	10,000	Amelita Perez	Pampanga
			Rodolfo Pinpin	"
Phil 99-1793	4.24	8,480	Rico Puno	Tarlac
Phil 99-1793	4.25	8,500	Mariano Gomez	Pampanga
Phil 99-1793	5.0	10,600	Eddie Mejia	Tarlac
			Jojo Mendoza	"
			Alma Afrero	"
			Noel Mallari	"
Phil 99-1793	3.75	7,500	Nezen Lumba	Pampanga
Phil 99-1793	8.0	16,000	Richard Torno	Pampanga
			Rodrigo Baul	"
			Edward Marcelo	"
			Restituto Torno	"
			Victor Gaviola	"
			Eddie Caling	"
<b>TOTAL</b>	<b>123.9685</b>	<b>247,537</b>	<b>66</b>	

### SOIL SAMPLES ANALYZED AT LAREC IN 2013

Total No. of Soil Samples from Sugarcane Farmers Analyzed: 1,363

No. Of Planter Recipients: 1048

Mill District / Beneficiary	No. of Samples	Amount	Name of Planters	Remarks
Pampanga Mill District	149	11,100	See List	Free of charge for block farm
Planters	111	11,100		
Block farms planters	38			
Tarlac Mill District	551		See List	Payment of soil samples from planters, 536 in Tarlac and 663 in Batangas c/o Master Plan project, Free of charge for block farm planters
Planters	536			
Block farms planters	15			
Batangas Mill District				
Planters	663			
Other clientele (Biotech, Aldiz-Avatar)	69	6,900	Virginia Padilla Ferrer Naparan	
Sub-total	1,432	18,000		
Planters	1,310	11,100		
Block farm planters	53			
Other clientele	69	6,900		
No. of samples from planters and block farm planters	1,363			
No. of planter-beneficiaries (Planters and Block farm planters)	1048			
No. of block farms	2			
No. of samples from researchers	69			
No. of researchers	11			
Total No. of samples from planters, block farm planters and researchers	1,501			
Total planters, researchers and other clientele	1,059			
Income generated Php		18,000		

## Research, Development & Extension - Luzon & Mindanao

### TOTAL JUICE SAMPLES ANALYZED AT LAREC IN 2013

Mill District / Beneficiary	No. of Samples	Amount	Name / No. of Recipients	Remarks
SRA-LAREC Clientele	84	4,200		
Ferex Agrochem	40	2,000	Eduardo Torres	
UPLB-Biotech	44	2,200	Virginia Padilla	
LAREC Researchers	609		13	
Total juice samples	693	4,200		
Total clientele & researchers			15	

### SPECIAL ANALYSIS FOR MOISTURE CONTENT OF RICE STALK AT LAREC IN 2013

Client / Recipient	No. of samples	Amount	Remarks
Virgilio de los Reyes - Tarlac	13	1,000	P500 per batch, maximum of 10 samples per batch