

'SAFE TOWN, PROSPEROUS COMMUNITY'
Bonuan Buquig National High School
Entry for the
BEST SCHOOL DISASTER RISK REDUCTION ACTIVITY/PROGRAMME
SEAMEO-JAPAN ESD AWARD

PART I: DETAILS OF YOUR SCHOOL

1. Name of your school: **BONUAN BUQUIG NATIONAL HIGH SCHOOL**
2. Full address: **San Gabriel Street, Bonuan Boquig, Dagupan City,
Pangasinan**
3. Postcode: **2400**
4. Country: **Philippines**
5. Telephone number(country +city code + telephone number):**+63 (075) 6532344**
6. Fax number (country + city code+ fax number): **+63 (075) 6532344**
7. Name of the Head Master/Principal/School Director:
MARIA LINDA R. VENTENILLA (Principal IV)
8. Name of Teacher Coordinator: **WILLY U. GUIEB (Teacher III)**
9. Email address: **kohlberg42@yahoo.com/mlrv929@yahoo.com**
10. School website (if available): none
11. Educational level (such as Kindergarten 1 to Grade/Year 9):
BASIC EDUCATION-SECONDARY LEVEL (First Year to Fourth Year)
12. Number of teachers in your school: **57 teachers**
3 administrators
3 administrative staff
13. Number of students in your school: **2058**
14. Name of teachers and students who were/have been involved in the planning and implementation of the school activity/programme on Education for Disaster Risk Reduction

SCHOOL ADMINISTRATORS/TEACHERS

- | | |
|------------------------------|---------------------------------|
| 1. Maria Linda R. Ventenilla | Principal IV |
| 2. Raymund L. Gonzales | Head Teacher III |
| 3. Sheryl S. Villacorta | Head Teacher III |
| 4. Catherine B. Cornel | Head Teacher III |
| 5. Willy U. Guieb | School Coordinator- Teacher III |
| 6. Enrique Vinluan | Teacher III |
| 7. Romy De Guzman | Teacher I |
| 8. Alfred Gonzales | Teacher III |
| 9. Louie U. Ubando | Master Teacher I |

10. George Casilang	Teacher III
11. Juan I. Pedeglorio	Teacher I

STUDENTS

1. Rain Ciara Banzuela	Youth for Environment in Schools – President
2. Zyrelle Mariado	Supreme Student Government – President
3. Christine Ivy Sanglay	4 th Year
4. Abegail Joson	4 th Year
5. Richmond Landingin	4 th Year
6. Jecill Sison	4 th Year
7. Jomer Trinidad	4 th Year
8. Raquiel Minguito	4 th Year
9. Princess Pangan	2 nd Year
10. Pamela Rioferio	2 nd Year
11. Diane Bongato	2 nd Year
12. Jenelle Ople	2 nd Year
13. Mylene Caballero	2 nd Year
14. Kimrose Mejia	4 th Year
15. Norman Lopez	4 th Year
16. Angelica Fortaleza	4 th Year
17. Shaira Pangan	4 th Year
18. John Kenneth Cueno	3 rd Year
19. Raul Almonte	3 rd Year
20. William Dela Cruz	4 th Year
21. Carl Ed Dela Cruz	4 th Year

PART II: INFORMATION ABOUT THE SCHOOL'S ACTIVITY/PROGRAMME
ON EDUCATION FOR DISASTER RISK REDUCTION

1. Title of the school's activity/programme on Education for Disaster Risk Reduction

'SAFE TOWN, PROSPEROUS COMMUNITY'

2. Summary of the activity/programme

The school year in our country for 2012-2013 opened last June 4, 2012. With the plan to strengthen the school's education for disaster risk reduction, our newly-installed principal, Mrs. Maria Linda R. Ventenilla, immediately directed the reorganization of the school's disaster management committee (SDMC). Upon meeting with the former members, new officers were elected with Mr. Willy U. Guieb being assigned as the over-all coordinator.

Shortly after the meeting of the new SDMC officers, Mr. Guieb attended the meeting/orientation organized by the Dagupan City Disaster Risk Reduction and Management Council together with all the SDRMOs in the city. The orientation focused on the activities to be conducted in preparation for this year's celebration of the disaster month. The CDRRMC is one of the vital arms of the Dagupan City government in reducing casualties and managing risks brought about by calamities/disasters.

Recognizing the fact that manpower is a vital component in an organization, the SDMC established the Youth for Environment in Schools Organization (YES-O) to assist in the implementation of the programs/projects relative to disaster preparedness. Miss Rain Ciara Banzuela, a fourth year student, was elected as the President of the organization. With the vital organizations already in place, planning immediately took place to line up activities properly.

The next step after the meeting of the SDMC and the YES-O was the orientation of the different section advisers and subject teachers regarding the activities on disaster management. Emphasis was made as regards to the crucial role of teachers in disseminating information about the program. Teachers were also encouraged to integrate in their lessons some key concepts regarding disaster and risk reduction. Aside from classroom instruction provided by the classroom advisers, Mr. Romy De Guzman, one of the members of the SDMC and Mr. Guieb conducted room-to-room orientation to strengthen the importance of becoming prepared during disasters/calamities. Moreover, advisers are encouraged to integrate in their lessons the essence of disaster preparedness and management.

The first activity handled by SDMC in cooperation with the YES-O is the Earthquake Drill initiated by the Department of Education as stated in DepEd Order

No. 42, s 2012. The drill served as an avenue for the students to realize the need to be proactive especially during calamities. It also served as the first application of concepts that the students acquired after the orientation conducted by their advisers as well as members of the SDMC.

Another unique project of the SDMC is the construction of footbridges made out of old arm chairs. One of the problems of the school is flooding since its location is way lower as compared to its adjacent lots/areas. Due to this, even little amount of rain would easily flood pathways which will make passing difficult among students. The footbridges were constructed by Citizen Army Training (CAT) officers with the help of the local barangay officials (who will also provide painting materials to increase the durability of the bridges). These footbridges were placed in designated areas within the school.

To instill further into the minds of our students the value of disaster preparedness, the SDMC conducted a symposium in coordination with the Dagupan City Risk Reduction and Management Council on disaster risk reduction and management last July 13, 2012. Mr. Ronaldo de Guzman, an Environmental Specialist from the CDRRMC served as the resource speaker. Selected students were invited to join the symposium. Student leaders also joined the symposium and promised to relay all the information they have gained by conducting another symposium on their own.

Last July 16, 2012, the BBNHS family participated in the city-wide simultaneous earthquake drill with the SDMC officers in the mix to successfully implement the drill. Evaluators from the City Health Office, Delta Com and City Engineering Office were present to assess the extent of preparedness of the school in times of disaster like earthquake. Positive comments were given by the evaluators as regards to the flow of evacuation during the drill. However, some significant observations and suggestions for improvement were also relayed to the SDMC which was immediately acted upon by the school principal.

The entire last week of July 2012 was consumed by the SDMC, Barangay Council and the YES-O for mangrove planting activities which also served as the culmination activity for our school's program for disaster risk reduction. Mangrove planting in the school is already a well-established community based project which started in the year 2010 as initiated by Mr. Willy U. Guieb. The project was then known as the IKAK project (Ilog Ko, Aroen Ko). The project already planted more than 1000 mangrove seedlings over a stretch of about 1 kilometer of river dike. Presently, the project is still growing with other agencies establishing linkage with the school and the organization. This activity is a significant step to help our students

realize that one of the mitigating factors to lessen the impact of disaster is through taking good care of the environment. Through mangrove planting, the value of environmentalism will become a part of our students' value system.

3. Background information or reasons why the school initiated this activity/programme

As an archipelago located at the south-eastern part of Asia, the Philippines is exposed to both climatic and geological hazards. It is situated in the Pacific Ring of Fire where two major tectonic plates, the Pacific Plate and the Eurasian Plate meet. With several fault lines crossing the country, earthquakes could have very devastating effects. There are 220 volcanoes, 22 of which are classified as active (NDCC 2008).

The Philippines is also located along the typhoon belt on the North Pacific Basin in the Pacific where 75 percent of the typhoons originate. There are 20 to 30 typhoons passing through the country, 5-7 can be destructive (NDCC 2008). As a consequence of extreme rainfall event, flash floods, flooding and landslides have become more prevalent since 2000.

The natural risks associated with these trends are aggravated by human activities, particularly in the exploitation of resources such as forests and minerals and development interventions that do not incorporate responsible risk assessment.

According to the International Red Cross and Red Crescent Societies, the Philippines is the fourth most accident-prone country in the world. Accordingly, 31,835 Filipinos were killed and 94,369,462 others were affected by natural disasters and calamities in a span of 20 years.

It is for the foregoing reasons that the Bonuan Buquig National High School (BBNHS) family, under the leadership of our principal, Mrs. Maria Linda R. Ventenilla, values fully the importance of disaster preparedness. In a country where typhoons, earthquakes, landslides and other disasters are often experienced, the need for the citizens to become ready and proactive is a must. Proper preparation would eventually mean saving lives and decreasing the extent of properties being damaged.

As a part of its commitment not only to educate and but also to protect our students, "Safe Town, Prosperous Community" was launched as the disaster preparedness program of the school to better prepare our stakeholders during earthquakes, typhoons and other possible disasters. The title of the program was adopted from the national theme for the celebration of disaster preparedness month.

4. Objectives/goals of the activity/programme

The following are the objectives of the “**Safe Town, Prosperous Community**” Project of the BBNHS:

1. To instill the value of disaster preparedness among our students.
2. To equip our students with basic survival skills that they can be used in times of disaster/calamity.
3. To recognize the value of environmental protection as one of the mitigating factors in lessening the effect of disasters/calamities.
4. To understand the nature of different disasters/calamities for better reaction strategies/coping up mechanisms

5. Period of time when this activity/programme was/has been implemented

JUNE – JULY 2012

**the Mangrove Planting Project is already a long standing project of the school which started in the year 2010.*

6. Activities (Short-term actions and strategies of implementation of the short term actions)

SHORT-TERM ACTIVITIES	DATE	STRATEGIES OF IMPLEMENTATION	PERSONS INVOLVED
Reorganization of the School Disaster Management Committee	June 8, 2012	Meeting with former SDMC officers Election of new SDMC officers	SDMC former and new officers
Coordination with Key Organizations	June 22, 2012	Attended the orientation initiated by CDRMC Organized meeting with the YES-O and SSG	Willy U. Guieb SDMC Over-All Coordinator YES-O Officers
Teachers and Advisers Orientation	June 26, 2012	Organized a meeting with teachers and section advisers to orient them regarding the integration of disaster concepts in their lessons.	SDMC Officers All teachers
Quarterly Conduct of the Earthquake Drill (as required by DepEd Order No. 42, s 2012)	June 29, 2012	Phase I – V Implementation of Earthquake Drill The drill served as a way to identify some areas to improve during evacuation in times of disasters/calamities.	School Administrators SDMC Officers All teachers All students
Footbridge Construction	July 2-5, 2012	CAT (Citizen Army Training) Officers were encouraged to participate in the footbridge construction.	SDMC Coordinator CAT Officers

		These footbridges were conceptualized to address the need to have a more stable and elevated pathways which is very useful during the rainy season.	
Symposium on Disaster Preparedness	July 10-13, 2012	The symposium was facilitated by the YES-O Officers. Students from different year levels joined the forum with Mr. Ronaldo De Guzman from CDRMC as the Resource Speaker. Questions were raised by the students during the open forum and were cordially answered by Mr. De Guzman. The forum opened the eyes of the students with regards to some survival skills during disasters/calamities.	Resource Persons from CDRMC/Red Cross Principal Department Heads SDMC Coordinator Teachers YES-O Officers SSG Officers Classroom Officers
Fire and Earthquake Drill (City-Wide Simultaneous Earthquake Drill)	July 16, 2012	Phase I – V Implementation of Earthquake Drill More than 1500 students joined the drill which is also a commemoration of the ‘killer quake’ that devastated the city in 1990.	Principal Department Heads SDMC Coordinator Teachers Students Evaluators from different government and non-government agencies Barangay officials
Tree Planting/Mangrove Planting	July 16-31, 2012	The YES-O officers initiated the collection of mangrove seedlings with the help of their coordinators from different year levels. The seedlings were planted in the Longos River over a stretch of 300 meters.	Principal SDMC Coordinator YES-O Officers Other Volunteers

7. Resources used for implementing the activity/programme.

The following are the resources used in the conduct of the activity/programme:

- A. Manpower/Labor. This could be considered as the most vital of all the resources since it comprises the workforce that led to the realization of the program’s objectives. Unparalleled manpower support was extended by the following

organizations; BBNHS Administrators, SDMC, YES-O, CDRRMC, Bonuan Boquig Barangay Council, BBNHS students and some school alumni.

- B. Technical Assistance. This kind of assistance was specifically extended to us coming from the Dagupan City Disaster Risk Reduction and Management through Mr. Ronald De Guzman during the symposium on risk reduction.
- C. Financial Assistance and Logistics. The Bonuan Boquig Barangay Council through the Barangay Chairman William Datuin promised to donate paints and other materials to strengthen the constructed footbridges. Fund for the project is yet to be released by the Barangay Treasurer.

The Barangay Patrol Car was also used as the transportation vehicle during the mangrove planting program.

8. Monitoring and evaluation mechanism and results.

With the different activities conducted in relation to disaster risk reduction and management in the school, the need for a structured monitoring and evaluation becomes a vital part in order to ensure proper implementation of the projects. The table below shows the different MAJOR activities that are the VITAL part of the school's disaster risk reduction program and the corresponding evaluation mechanisms involved:

ACTIVITIES	MONITORING AND EVALUATION MECHANISM	RESULTS
Earthquake Drills	<p>The conduct of the drills were monitored and evaluated by the following individuals:</p> <p>MR. MANOLITO DE GUZMAN (City Engineering Office)</p> <p>MR. RAMIL DELA PENA (DELTA COM)</p> <p>MR. JE CHRISTIAN GONZALES (Barangay Nurse, City Health Office)</p> <p>The evaluation criteria were provided to them as prescribed by the NDRRMC and the DND.</p>	<p><i>POSITIVE OBSERVATIONS</i></p> <ul style="list-style-type: none"> • There is a smooth flow of evacuation. • Generally, the students are quiet as they proceed to their evacuation area. • Each class was able to evacuate on their designated areas. • The drill was conducted for about 14 minutes which is relatively fast considering the number of students. • All the Phases in the drill were properly executed. • Team leaders under the SDRRMC were visible and handled their assigned tasks properly.

		<p>POINTS OF IMPROVEMENT</p> <ul style="list-style-type: none"> • Installation of electric bells to increase the alarm system. • Training of the First Aid Team for Basic Life Support. • Removal of obstruction materials in the exit points. • Construction of improvised stretchers. • Opening of the other evacuation areas to lessen evacuation time and minimize crowding in designated evacuation areas.
Symposium on Disaster Risk Reduction and Management	<p>As initiated by the SDMC, SSG and the YES-O, this project was monitored and evaluated by the following:</p> <p>Mrs. Catherine B. Cornel (Head Teacher III, Social Studies)</p> <p>Mr. Willy U. Guieb (SDMC Over-all Coordinator)</p> <p>Mrs. Merilina C. Ubando (YES-O Adviser)</p> <p>The symposium was evaluated along the following criteria: relevance of the topic, applicability and absorption and participatory rate among the students.</p>	<p>As evidenced by the active participation among students during the training, the symposium can be considered as a success. The richness of information during the symposium as delivered by the speaker added up to the further realization of the school's program to instill the value of disaster preparedness among them.</p>
Mangrove Planting Project	<p>This worthy, ecologically important and nationally recognized project of the school is now on its 3rd year of implementation. It started in the year 2010, this project already planted more than 1000 mangrove propagules over a stretch of 1</p>	<p>At present, this project has more than 1000 mangrove propagules planted over a stretch of more than 1 kilometer of river dike. With the continued support from other government and non-</p>

	<p>kilometer of river dike.</p> <p>In its 3-year existence, the project has been visited by the officials of DENR in the province. The continuous existence of the project is through the monitoring and support from the officers of the IKAK Society, YES-O, Barangay Council and other NGOs. Last May 2012, the Kingfisher School of Business in Dagupan City supported the project by planting more mangrove propagules.</p>	<p>government agencies, the proponents of the project hope to plant more mangroves to cover the entire river dike of the Longos River.</p>
--	--	--

9. List of partners, local government bodies, companies or development agencies who participated in the planning and implementation, including their roles in the activity/programme.

Name of Partners	Roles or Contributions
<p>Dagupan City Disaster Risk Reduction and Management Council</p> <p>(Headed by MR. VLADIMIR T. MATA, the City Administrator and the Executive Director of the Council)</p>	<ul style="list-style-type: none"> • Provided technical assistance before during and after Earthquake Drills conducted in the school. • Through Mr. Ronald De Guzman, who served as the Resource Speaker during the school symposium on disaster preparedness, the CDRRMC provided rich information to our students/stakeholders in coping up in times of disaster.

Bonuan Boquig Barangay Council (Headed by the Barangay Chairman William Datuin)	<ul style="list-style-type: none"> • Provided logistics especially in the transport of students and mangrove propagules during the mangrove planting program. • Promised to extend financial support as regards to the building of 'foot bridges'
University of Luzon and Kingfisher School of Business (Both are private higher education institutions in Dagupan City)	<ul style="list-style-type: none"> • Supported the Mangrove planting project by sending their students to plant more mangrove propagules in the river especially during the 2nd year of its implementation.
CENRO (City Environment and Natural Resources Office - Dagupan City)	<ul style="list-style-type: none"> • Supported the Mangrove planting project by sending their personnel to oversee the conduct of the project during its early stage of implementation
BBNHS SDMC (School Disaster Management Committee)	<ul style="list-style-type: none"> • The disaster preparedness arm of the school which facilitated and organized all the disaster preparedness activities.
BBNHS YES-O	<ul style="list-style-type: none"> • This organization which is headed by Mrs. Merilina C. Ubando as their adviser provided the much needed manpower support in the implementation of the programs.
BBNHS SSG	<ul style="list-style-type: none"> • This organization which is headed by Mrs. Catherine B. Cornel as their adviser also provided the much needed manpower support in the implementation of the programs.

10. Benefits/impacts of the activity/programme to teachers, students and the community

The following are the benefits enjoyed by different groups of people from the implementation of the different disaster preparedness programs/projects of the school:

TEACHERS/STUDENTS

- They were able to get enough information about the nature of the different disasters and their corresponding risk reduction mechanisms through the disaster symposium.
- The foot bridges helped them a lot in going to their classrooms in times of heavy rains which cause flooding within the school campus.
- They were able to inculcate in their minds the value of environmental protection as a means of mitigating impacts of natural disasters through the mangrove planting project.
- They were properly oriented as regards to the evacuation plan during earthquake and other related disasters/calamities.

COMMUNITY

- The mangrove planting project is the primary activity in the school disaster program which can help them more as compared with the other projects. Through mangrove planting in the Longos River, the community members will enjoy the restoration of the river in terms of its productivity. The growing mangroves will protect the river dike thereby strengthening it and at the same time it will bring back the different species of fish and mollusks in the river.
- The project also awakened the consciousness of the community as regards to the value of planting mangroves in the river. At present, more community members are joining the school in planting mangroves along the river dike.

11. Plan for sustainability and plan for the future

PLAN FOR SUSTAINABILITY

The following are the plans of the school with regards to the sustainability of disaster preparedness projects:

- Quarterly conduct of the Earthquake Drill and other drills to develop the school's culture of becoming disaster prepared and conscious institution.
- Widening the school's linkage to tap other possible resources in the community to ensure that all the projects will be supported financially.
- Ensuring the development of student leaders to become active participants in the different programs and projects

- The organizers/implementers of the program will be able to attend trainings either local or national to increase their capacity to lead and sustain the different projects implemented.

PLAN FOR THE FUTURE

The following are the plans of the school with regards to the school's future disaster preparedness projects:

- Quarterly conduct of the Earthquake Drill
- Inclusion of other drills (Fire Drill, First Aid Drill, etc.) in the program
- Conduct of more symposia/trainings to inculcate in the minds of our students the value of disaster preparedness and risk reduction.
- Be adjudged as the best implementer of disaster preparedness programs in the city or even in the province.
- Plant more mangrove seedlings (1000 mangrove propagules per year) to cover most of the river dike in the Longos River.
- Institutionalize and sustain our programs and projects and strive to inspire others to do the same.

12. List of attachments such as copy of learning/teaching materials, samples of student worksheet, manual etc.

The following are the list of documents that are used in the planning and implementation of the different projects:

- School Disaster Management Committee Organizational Profile
- How to Conduct Earthquake Drill (Powerpoint Presentation)

13. Photos related to the activity/programme.



BBNHS students were very eager to join the mangrove planting project of the school as a part of its disaster risk reduction program. Mr. Guieb led the students during the activity.



Mrs. Salvacion Malanum, one of the section advisers, also supported the program by actively joining the planting of mangroves.



The Bonuan Boquig Barangay Council is also in action during the mangrove planting. Hon. William Datuin (in yellow polo shirt) poses with the BBNHS team.



Within 3 years of mangrove planting, these are already some of the full-grown mangrove plants along the river dike.



Teachers' orientation on the integration of disaster preparedness in the classroom.



The massive information campaign on the value of disaster preparedness is headed by one of the members of SDMC, Mr. Romy de Guzman.



Mr. Ronald de Guzman from CDRRMC orients the students regarding disaster preparedness during the symposium spearheaded by the school's YES-O and SSG.



The CAT officers are the labor provider during the construction of foot bridges.



The foot bridges out of old arm chairs are used by teachers and students when the school vicinity is flooded by rainwater.



The students are heading to=wards their designated evacuation areas during the Earthquake Drill.



The students are still covering their heads in their designated evacuation areas during the Earthquake Drill.



Post Drill Evaluation



Republic of the Philippines
Department of Education
Region I
Division of City Schools
BONUAN BUQUIG NATIONAL HIGH SCHOOL
Bonuan Boquig, Dagupan City



‘SAFE TOWN, PROSPEROUS COMMUNITY’ **‘Ligtas na Bayan, Maunlad na Pamayanan’**

Entry for the BEST
SCHOOL DISASTER RISK REDUCTION ACTIVITY/PROGRAMME
SEAMEO-JAPAN ESD AWARD

WILLY U. GUIEB

Teacher Coordinator

MARIA LINDA R. VENTENILLA

Principal IV