

SEAMEO-Japan ESD Award

Supporting Partner:



Submission Form of 2020 SEAMEO-Japan ESD Award

Theme: Addressing Plastic Problems for Transforming Communities

PART I: Details of Your School

1. Name of your school: **PEDRO E. DIAZ HIGH SCHOOL**
2. Full address: **UP SIDE SUBDIVISION, BRGY. ALABANG, MUNTINLUPA CITY, METRO MANILA**
3. Postcode: **1781**
4. Country: **PHILIPPINES**
5. School's telephone number (country code+citycode+telephone number): **+63 (02) 856-7583**
6. School's fax number (country code+citycode+fax number): **+63 (02) 856-7583**
7. School's email Address: **pedhs_1977@yahoo.com**
8. Name of the Head Master/Principal/School Director: **DR.ROSENDO E. SANGALANG,Ed.D.**
9. Name of the Teacher Coordinator: **MS.MONETTE ULLERO/MR.PHERNIE ABARCA**
10. Email address of the Coordinator: **mamartha.ullero@deped.gov.ph**
phernie.abarca@deped.gov.ph
11. School website (if available):
12. Educational level (Such as Kindergarten 1 to Grade/Year 9): **GRADE 7- GRADE 10 (Junior High School)**
13. Total number of teachers in your school: **230**
14. Approximately number of teachers participated in this programme: **230**
15. Total number of students in your school: **4200**
16. Approximate number of students participated in this programme: **4200**

PART II: Information about the School's Programme

1. Title of the school's programme

Project PNP (Please No Plastic)

2. Summary of the programme (one half to 1 page of A4 sheet size)

The first synthetic plastic "Bakelite" was produced in 190, marking the beginning of the global plastics industry. However, rapid growth in global plastic production was not realized until the 1950s. Over the next 65 years, the annual production of plastics increased nearly 200 fold to 381 million tons in 2015. For context, this is roughly equivalent to the mass of two-thirds of the world population. Nowadays, plastic has become so popular in all aspects of the industry that it used to be a big help in all our activities but it is becoming a destruction of our nature.

Plastics, especially single-use components are commonly used in our daily work. At work, making tools and machinery, and especially things and food packaging. Based in the 2015 world plastic data, over 141 million tons of plastics waste is generated by single-use packaging industry sectors globally per year. And 5.92% of the global total are the Philippines contributed. When the United Nations General Assembly has launched a new global call to action to help end plastic pollution in the oceans in 2018 and other youth organizations, a group of grade 10 level students of Pedro E. Diaz High School immediately thought of a way, joined and took any action to be the pioneers in minimizing the usage of single-use plastic in the school, which the facilitators and staff of the school eventually supported named "PROJECT PNP".

PROJECT PNP encourages students and teachers to stop the use of Single-Use Plastic as a sustainable action to protect the planet and its future in fulfillment of the UN SDGs aims to promote a more Ecological Life. Project PNP

works to create a ripple effect starting with self and extending to build a global community with the battle cry “Please No Plastic”. To protect our environment especially our water bodies from being out of plastic trash by using tumblers, metal spoons, forks, and metal straws in our daily life. Providing free, clean, and freshwater for students to motivate them to bring their reusable tumblers, construction of eco-bricks, clean-up drives, campaigns, and seminars were conducted the whole school year.

PROJECT PNP creates and supports ecological/environmental activities from school, local government, and international initiatives by collaborating mainly with IAM SAM Foundation, private and public sectors in the community. We intend to save and protect the most needed elements or living creatures such as water, land, air, and animals to achieve the Sustainable Development Goals by United Nations No. 6, 11, 12, 13, 14, 15 and 17.

The Project has earned recognition from local and international entities, including awards from different institutions. Pedro E. Diaz High School was awarded as the winner for 2019 Division Search for the Brigada Eskwela (a nationwide initiative by the Department of Education (DepEd) that mobilizes thousands of parents, alumni, civic groups, local businesses, non-government organizations, teachers, students, and individuals who volunteer their time and skills to do repairs, maintenance work, and clean-up of public elementary and secondary schools.) Best Implementing Schools (Mega Category), for its best and creative approach with regards to renovating and making a safer environment inside the school through adopting an environmentally-sound lifestyle. It also was crowned as School with Safest Environment Award at ISA DUBAI 2019 through PROJECT P.N.P’s - ECO Bricks. The school had been also featured in different major TV stations in the Philippines and got the opportunity to be interviewed by renowned news broadcasters.

Project PNP which started from Pedro E. Diaz High School aims to extend throughout the community to create a ripple effect and leave a long-standing effect on others, through the efforts of teachers, students and parents, each of us are working hand in hand to turn dreams into the reality of living in a plastic-free and cleaner environment with the aspiration to influence the community and the world.

3. Background information or reasons why the school created this programme

Pedro E. Diaz High School is one of the most populated public secondary high schools in Muntinlupa City and is located exactly along the Bayanan Creek, one of the creeks connected to the Laguna de Bay or Laguna Lake. For the past years, the school has been prone to flash floods considering that the nearby barangays including Barangay Bayanan, Putatan, and Alabang deposits its water waste into the same creek. It also has a great impact on student’s health welfare because of the stench and toxic pollutants that the creek releases. In place of this, the school stresses the continuous innovative studies concerning the area’s rehabilitation only to find out that the main problem was the single-use plastics that were congested along the creek banks.

Given this, the project also wants to protect the dying lake, the Laguna de Bay. Laguna de Bay is the Philippines’ largest lake, and supplies Metro Manila’s 16 million people with a third of their fish. It also supports agriculture, industry, and hydro-power generation, and is a welcome getaway for rest and recreation for many Filipinos. Millions more live around its 285-kilometer shoreline. But the lake’s importance has placed it in peril from a host of problems, including pollution from untreated sewage and industrial waste that are eroding its capacity. Nutrient pollution is a major concern. Nutrients such as nitrogen and phosphorus can result in the eutrophication, or over-enrichment of a water body, triggering dense plant growth and the death of animal life from lack of oxygen. There have been numerous reports of fish die-offs in Laguna de Bay. It can also affect not only the students’ health but the surrounding citizens which may cause diarrhea, helminthiasis, typhoid, cholera, and hepatitis A from agricultural products like fish.

Pedro E. Diaz High School also believes that the volume of plastic pollution entering its environment, especially straws, for instance, are practically negligible. The reason why the straw became a symbol for plastic reduction movement is that it is an item we can all utilize with. An item we have all used for a few minutes and discarded carelessly. Single-use plastics are getaway plastic. They are the Trojan horses that break the mainstream media, we believe that refusing single-use plastic and /or switching to reusable alternatives through PROJECT PNP is the first step of many in the journey towards less waste.

4. Objectives/goals of the programme

At the end of this programme PROJECT PNP wants to achieve the following objectives and goals to everyone namely students, teachers, parents, local and international citizens as well who get involved;

- To develop their understanding of the impact of single-use plastics on the ecological environment.

- To create and support ecological/environmental activities from school, local government, and international initiatives.
- To save and protect most needed elements or living things such as water, land, air, and animals.
- To sustain and recover Laguna de Bay agricultural and marine entities.
- To create and support the newest sustainable energy and materials that will help the financial and agricultural needs of the community.
- To Achieve the Sustainable Development Goals by the United Nations, especially No. 6, 11, 12, 13, 14, 15 and 17.
- To improve not only our school needs but our community's interest and perspectives.

5. Period of the time when the programme was/has been started

June 6, 2019 to current (on-going project)

6. Key knowledge, skills, attitudes/values and behaviors that the school expects to develop from this programme.

The PROJECT PNP is designed to help the community understand what it means to live in a sustainable environment. To help people and students learn about sustainability and how they can use their skills to create positive change in the world and understand the importance of recycling and how they can reduce the amount of waste they produce. Given this, the team believes that we should be able to make our own decisions on how much waste we need to dispose, how much waste we regenerated every day, and set our minds on how single-use plastics have a negative impact on the environment. We are bound to commit everyone in the community to make a difference in the lives of all people by using sustainable practices and methods. The PROJECT PNP will also be expected to enhance schools' capability of proper waste segregation including separating properly biodegradable, non-biodegradable, and recycled materials. In this method, the school can use and create sustainable and alternative materials for their current constructions of schools' additional facilities.

The PROJECT PNP I also expected to enhance schools' capability of proper waste segregation including separating properly biodegradable, non-biodegradable, and recycled materials. In this method, the school can use and create sustainable and alternative materials for their current constructions of schools' additional facilities. Aside from this, the project designs an important step towards improving recycling and composting processes of the school.

The project inspires every person to realize that sustainability begins in the mind, goes on to the hands, transforms the environment and brings about positive change into the world.

7. Activities (Strategies/activities of implementation)

This part is important – please clearly explain all related strategies and activities that the school has implemented and brief information of each activity). Details of each activity can be attached as a part of supporting documents.

The Project PLEASE NO PLASTIC aims to get as many people as possible to lay hold of “Please No Plastic” pledge and challenge themselves to refuse and eliminate single-use plastic. The PROJECT P.N.P is deliberately implemented and our activities are clustered through the phases that follow.

I. EDUCATION

1. **Seminars/Conferences** - Since eliminating single-use plastic is quite challenging for our school, given the fact that it's a public institution, a seminar for the students, parents, and teachers was done simultaneously to disseminate the project's purposes, goal, and objectives, and to tackle the changes that would be applied in the school, besides, it will also help in addressing common problems that we may face while implementing the project. The school has partnered with different organizations with the same objective to professionally tackle the issue on plastic waste and to provide a free seminar for everyone, some of the organizations/seminars/conferences that were held under Project P.N.P are as follows:
 - a. **I AM SAM FOUNDATION** - in coordination with United Nations-led by Mr. Wayne Jacoby of Global Education Motivators, some of the chosen students from the school were given the chance to attend the United Nations Students Leadership Conference on Development 2019 composed of 300 students coming from different organizations and schools all around the Philippines and a virtual call with students from Mexico, Georgia, and India, to tackle the challenges that we are facing today with regards in attaining the SDGs. PEDHS presented PROJECT PLEASE NO PLASTIC and had appealed to the UN to lend a hand in its implementation. It was also a great platform to exchange thoughts with different schools and organizations who had suggested various ways to effectively execute the project.

- b. **DIVISION PH (Plastic-Waste Symposium)** - in coordination with John Lester Villamartin, Founder. A plastic-waste symposium was launched to formally educate students of Pedro E. Diaz High School about the plastic-waste crisis that we are experiencing today, its harmful effects on the environment, and to recognize our roles in promoting an eco-friendly community.
- c. **SHARP Philippines (Climate Action Campaign Seminar and Workshop)** - The seminar intends to further explain the present situation of our environment by sighting some of their best practices that can also be adopted within the school and to encourage each one of us to make a move and start the change within the school that will eventually affect the community. A workshop was conducted by educating students and teachers on creating handicrafts made from plastic wastes. A conference was also made, so that teachers, students would have the chance to exchange their thoughts with regards to the implementation of Project P.N.P.

II. INFORMATION DISSEMINATION

1. **Campaigns** - we had created programs to get everyone involved, and to encourage the students to be the main actors in promoting the PLEASE NO PLASTIC pledge.

- a. **Social Media Engagement**- since 80 percent of the total number of students in the school have their Facebook accounts, we utilize social media to increase the communication and interaction with each and everyone, specifically parents and students, it also helps in spreading awareness that makes it easier to make everyone know about the program.
- b. **Posters** - We created and distributed posters that can easily target specific locations inside the school making it easily visible for students and teachers. It also helps in encouraging an active response.
- c. **Walk The Talk**- the school sent student leaders to each of the classrooms in the school per day to disseminate information and encourage the students and their teachers to start and practice to bring their reusable tumblers, spoon, forks and polymer ware as the canteen is slowly reducing their plastic consumption by banning plastic cups, spoon, forks, and bags.

2. **Collaboration** - the school has limited resources i.g tumblers, reusable plates, drinking-water, we collaborated with the local government unit and other private organizations that would provide us assistance in addressing such problems especially for the unfortunate students that can't afford a tumbler and to further practice interaction and understanding of diverse perspectives.

3. **International Engagements** - There are private organizations outside the country who were engaged with the same objectives as Project P.N.P, we utilize it to urge them to participate in making an action to successfully meet our goals and objectives within the school. We humbly asked for their support in providing valuable learning and research opportunities and important potential for mutual benefit to the students and teachers.

a. **Indonesia's WaskitaKarya** - WaskitaKarya is one of the largest construction company in Indonesia and the main provider of its local government, they had been planning to take place in the Philippines for future projects and they wanted to acquire knowledge with the country's culture, biography, demography and the best practices within its environment. The school had chosen a student to present Project P.N.P to WaskitaKarya's employees in coordination with the OSH Travellers Training Center. They offered a partnership with us and readily accepted the challenge of living in a zero plastic waste environment in their workplace.

4. **APPLICATION** - includes various activities to practice and put the things that we acquire in the previous seminars and conferences into action. To finally apply the P.N.P (Please No Plastic) pledge within the school and require everyone's participation in the project.

- a. **B.Y.O.E (Bring Your Own Everything)** - the school head mandated everyone to bring their own reusable tools i.g tumblers, reusable spoons, forks, and polymer wares.
- b. **WAFALL (Water For All)** - in partnership with Rotary Club of Muntinlupa, Pedro E. Diaz High School was able to provide free, clean, and fresh drinking water for everyone, in exchange for everyone in the school must bring their own reusable tumblers to acquire the service.

- c. **B.T.S (Behind The Scene)** - a clean-up drive program has been simultaneously made, through Project P.N.P we were able to gather volunteers from students, teachers, and private organizations to initiate clean-up drives within the school and nearby communities.
- d. **A GALLON OF PLASTICS** - in line with the clean-up drive program, we had planned to collect every plastic waste we saw inside the school, nearby neighborhood, and nearby the bodies of water since we are located close by a creek and Laguna lake, and we encourage ourselves to fill in a gallon of these plastic wastes and render it to our barangay officials to transform it into plastic chairs and tables for the benefit of different public schools in our community.
- e. **PAINT ME A PLASTIC** - a painting competition supervised by the school's Special Program in the Arts, the students were required to paint a sustainability themed artwork where the materials to be used were scraps and wastes from single-use plastics.
- f. **ECO-BRICKS** - Plastic bottle, candy wrappers, foils, plastic can be used to construct tables, chairs, and bookshelves that best help the school in addressing the problem with regards to its facilities. It is also an initiative project of the school to unite with the climate action challenge of the country.

8. Teaching and learning approaches/strategies that the school has integrated for this school programme.

Project P.N.P associated with Social Studies and Values Education Department adheres to use its teaching method to build relevance and seek to develop mindsets that are open and accepting of new challenges with regards to environmental issues and plastic pollution crisis, each department also committed to further tackle the project's goal and objectives through their respective classroom topics and materials in line with their lesson plans, various school activities and competitions were also made. *(lesson plan and related materials are attached)*

- a. **Social Studies** - the social studies classroom was transformed into a workshop model where two-thirds of their time was spent on environment-centered activities which may include simulations or discussions. The Social Studies Department taught students how to engage in discussion, have understanding, and be diverse in an ecological environment. This process is putting the learners in the center of their learning for them to deeply understand the Please No Plastic pledge that the school implements, as the educators take more of a facilitator role in the classroom. The remaining time inside the classroom was focused on formative assessment and primary education.
- b. **Values Education** - values education department provides important opportunities for students to become engaged in real-world issues that transcend classroom walls. They can see the relevance of their values, education lessons, and studies to the complex environmental issues confronting our planet and they can acquire the skills they'll need to be creative problem solvers and powerful advocates breaking the indoor habit of using single-use plastic.
- c. **Intra-school Competitions**- Spoken Word Poetry and Jingle Making Competitions for the students were conducted to practice environmental education, this aims to empower students with a deep understanding of environmental education as well as its relationship to environmental issues. In these competitions, students explore the theoretical foundations of both learning and environmental behavior that shape environmental education. Students also acquire the skills necessary to apply evaluation strategies to Project P.N.P.
- d. **Student Hub** - The overarching goal of the program is for the students to gain first-hand experience on various forms of activities that the school is conducting with regards to the implementation of Project Please No Plastic. They could experience being one of the main actors of the project and have the opportunity to contribute to the project's programs and activities. Through the active collaborations of everyone in the school, students develop a deeper understanding of the roles and needs of the school's actual environmental programs.

9. A) Participation with the community (How the school and community work together in planning and implementing the school's programme)

Project Please No Plastic promotes decency in committing oneself to become an essential part of the solution to the societal problems and issues that affect our community, with a participatory whole-community approach which is based on the principle of 'we are all part of this problem'.

Different stakeholders are involved in the design of a solution. Project P.N.P empowers the school community, young

people, and the neighboring barangays by mass-producing the Gallons of Plastics through the B.T.S (Behind The Scene - Clean-up drive Program)of Project P.N.P.In collaboration with the Local Government Unit of Muntinlupa City and non-Government Organizations. Different teams composed of volunteers, students, parents, and teachers were designated in a particular area, inside the school, and in its neighboring community to collect plastic wastes, and fill a gallon of it.

The gallons filled with plastic wastes that were collected from the school, and at various locations throughout the community were rendered to the local government of Barangay Alabang. This was done using the same method as other waste collection methods, which is called the 'recycle cycle'. The purpose of this community project in collaboration with Pedro E. Diaz High School was to make sure that all this waste was recycled and not thrown away. The idea behind this was to create a new way of collecting and recycling plastics. Its main goal was to reduce the use of single-use plastics by innovatively transforming it and for the improvement of the community's waste management system. The process involved in this was to collect and convert plastic wastes into usable products i.g plastic tables and chairs for the use of different public schools within the community. The unused products were sold to private organizations that we had collaborated, the collected fund was used to buy reusable tumblers, spoon, forks, and plates for the utilization of students, facilitators, and non-teaching staff in the school canteen providing a sustainable system that is cost-effective and environmentally friendly.

Project PNP strenuously supported by the community and city's local government units providing its effectiveness in the reduction of plastic wastes and its ability in addressing the problem in the community's creek. The project was funded through a grant from the community council and had donated reusable tumblers for the students of PEDHS.

A clean and fresh drinking water was also essential to the school, Rotary Club of Muntinlupa North, initiated by Dr.EmilyAmbrocio, English Department OIC and Rotary Coordinator, agreed to supply the school's need of free drinking water as long as it sustains its "Please No Plastic Pledge". This is where the idea of sustainable drinking water for all came into play. The project was then developed to be an integrated program that would improve the school community's health and well- being.Different organizations both public and private sectors within the city and the country were actively engaged in the idea of building a “community of hands” which links people of different gender,age,origin ,and status to create a tangible solution by bringing up action plans by the sharpest and innovative minds and engaging everyone in using alternatives to plastics and participating in the project’s programs,as everyone promotes a community that adheres to Project PLEASE NO PLASTIC .

**B) Engagement of partners in community and their roles/contribution into the school’s programme
(Please provide the name of your partners in this programme and their roles/contributions)**

Project Please No Plastic is successfully implemented through partnerships and collaborations with public and private sectors within the community and city that are listed below.

- **Education** - These organizations provided the students and teachers the knowledge they needed for the pre-implementation of the project, to provide the process that will help the school to acquire knowledge about the environmental education along with the environmental issues, and to develop skills and understanding in addressing global challenges.

Name of Partners	Roles and Contributions
I AM SAM Foundation- Ms.Rayla Melchor Santos,co-founder & President	The main co-partner of Pedro E.Diaz High School in addressing the plastic pollution crisis,creation and implementation of Project P.N.P and in adhering with the UN SDGs as it promotes active community involvement and shared responsibility,apart from delivering plastic wastes advocacy campaigns,it also focuses of carrying out various environmental and social action projects.It had conducted seminars and conferences to further expand the project’s vision and exemplify unity towards collaborations locally and internationally.
Global Education Motivators (United Nations, New York) - Mr.Wayne Jacoby, GEM co-founder.	International conferences and collaborations that had influenced Project P.N.P to further expand its horizon it also formally introduced the UN SDGs to the school and our role as catalysts of change.
SHARP Philippines Inc. - Mr.Eugene Villa, Human Resource Head	Collaboration and seminars with regards to Project PNP’s implementation
DIVISION PH - Mr.John Lester Villamartin, Founder	Environmental symposium

MANOY (Malaysian Pinoy) Handicrafts- Ms.AdrianaBinti Abdullah, co-founder	Workshop on transforming plastic wastes into a new product that is sufficient and eco-friendly.
Woman of Malaysia-Ms.Adriana Binti Abdullah, National Director, Ms.NurHaziyahFatin, Miss Earth Malaysia 2019, Ms.Danielle Isabelle Dolk, Ms.Philippines-San Pablo	Conducted environmental education, it helped the school to learn more about the environment,and develop skills and understanding about how to address global challenges.

- **APPLICATION** - we partnered with various organizations to easily implement the project within the school and community.

Name of Partners	Roles and Contributions
Environmental Sanitation Center of Muntinlupa - Ms.Lorna B. Misa, Department Head	partner institution in exhibiting the A Gallon of Plastics and Behind The Scene Program.
Lake Management Office of Muntinlupa – Ms.Rosalina Contreras, Department Head	partner institution in exhibiting the A Gallon of Plastics and Behind The Scene Program.
Local Government Unit of Barangay Alabang - Ms.Christina Abas, Brgy.Captain	partner institution in exhibiting the ‘recycle cycle’ program and A Gallon of Plastics and Behind The Scene Program.
Local Government Unit of Bayanan- Mr.Ador San Pedro, Brgy.Captain	partner institution in exhibiting the ‘recycle cycle’ program and A Gallon of Plastics and Behind The Scene Program.
Youth Council of Barangay Alabang - Ms. AhyaDancel, YC Chairperson	partner institution in exhibiting the ‘recycle cycle’ program and A Gallon of Plastics and Behind The Scene Program.
Youth Council of Bayanan- Mr.Lorenz Emanuelle De Mesa, YC Chairperson	partner institution in exhibiting the ‘recycle cycle’ program and A Gallon of Plastics and Behind The Scene Program.
Equilibrium Intertrade Corporation.-Mr.Eric F. Cruz,President	partner institution in exhibiting the “Paint Me A Plastic” project.
Smarter Philippines- Mr.James Oyando,President and CEO	partner institution in manifesting and creating the Eco-Bricks Project.
PlasticFree PH-Natasha Jean Faulkner,Founder	partner institution in manifesting and creating the Eco-Bricks Project.

10. Transformation to the community and ecosystem (Brief information of activities that the school, students, and teachers have contributed for the improvement of community/ecosystem.)

The environment near the school has changed a lot, especially since the project and programs were implemented. The teachers and students immediately participated and gave their all-out support. When the school started the project under the leadership of teachers and assigned students, the wastes from single-use plastics were reduced to about 80 percent.

As a result, the garbage collected daily is mostly leftover food, leaves from school trees, and student items such as papers and school things. Another positive result was the reduction of waste in the areas around the school and Bayanan Creek which, in turn, reduced its contribution to the blockage of waterways by analysis and observation of teachers and student leaders.

It also set a good example for parents and to the people of the community to practice using tumbler and reusable food containers in their respective homes. Since the project is only one-year-old and changes student groups every school year, it is expected that there will be better results and contributions from students and the school itself for the benefit of the environment in the community.

11. Programme for monitoring and evaluation mechanisms and summary of results

Monitoring and evaluation mechanisms:

Project P.N.P has been reviewed on several occasions, including a midterm review. The monitoring reports provide a comprehensive and evolving view of the project and as a result, the focus of the final evaluation is on project results and sustainability. The evaluation has drawn on qualitative information from a variety of resources including:

Quarterly Meeting and Focus Group Discussion of Project Management Team-The school head, Officer in Charge of the collaborated departments, representatives of associated private, public and non-government organizations were primarily the chairpersons. This serves as an effective way of communicating with the team to make decisions, solve problems, innovate strategies, monitor the project's execution, and other matters that need to be discussed. It is considered the only time when everyone can sit down and discuss matters of utmost importance for the team and the school.

Project Evaluation through Social Studies and Values Education Classes-In line with their lesson plans the teachers were to conduct an evaluation based on how the project affects each students' lifestyle, the students were to give their answers through innovatively complying with the activities prepared by the teachers and applying it through creatively presenting what they had acquired through a creative process. This was done by using a variety of different methods such as visual aids, music videos, and other media that would showcase how the project had affected the students. The teachers believe that it is an effective way of getting feedback from the students because it allows an exchange of thoughts and ideas regarding the created project and the students were also able to use these tools in order to improve their skills and exercise their knowledge.

Surveys through interviews – The interview was undertaken by volunteer student leaders, using a series of survey questions. Individual and group interviews within the school and the collaborated sectors within the community were executed. This was to gather information and to monitor project execution, and maintain a solid project monitoring. The interviews conducted are responsible for keeping tabs on all project related measurements, proactively recognizing possible problems and to eventually take necessary steps to guarantee the project's effectual outcome.

Parents and Facilitators' Meeting and Workshop – Teachers and parents play a vital role in the project's implementation and execution, in line with this a facilitators' meeting was conducted monthly headed by the school principal, to evaluate and ensure that their students' were following the school's new policy with regards to bringing their own reusable tumblers, spoon, forks and polymer wares. Along this a workshop was also conducted simultaneously, for them to showcase different strategies on how they act as part of project Please No Plastic

Solidarity Meeting of various school organizations/clubs – Each student organization/clubs served as one of the main actors in project's implementation and execution, they are responsible to influence their co-students towards accepting the challenge of being an eco-friendly school, a solidarity meeting was held together with each club's advisers quarterly. This includes presentation of the projects each club had executed throughout the quarter and how it signifies Project PNP's objective, as students tend to align with various clubs regarding specific issues such as topics, agreements and activities. This platform is also responsible for the students to establish equity among themselves and this permits them to achieve working relationships which is significant in creating a unifying objective for everyone.

Summary of results:

In the first three months of the project's execution, 70 percent of each class in Grade 10 level was able to comply with the school's policy, as the project's activities and program were in progress, it was able to influence the lower grade levels to bring their 'own everything', as we collaborated with different organizations to lend us a hand in providing tumblers for the unfortunate students which had made us closer to our goal in terms of creating a plastic-free community.

The school canteen slowly banned its plastic cups and successfully replaced it with paper cups, the canteen also restricted the use of plastic bags for food packaging, instead the polymer wares brought by the teachers, teachers and non-teaching staffs were to use. The WAFALL (Water For All) program of the project has also created an impact towards the school's sustainability goals as it continues to provide free and clean drinking water for everyone.

After two-quarters of the project's execution, it had reached a large number of groups across two barangays, two public secondary high schools in Muntinlupa City and contributing to improvements in the community by showcasing their best practices towards creating an ecological environment by reducing plastic usage and innovate a way to recycle them, includes the positive changes they acquire leading to project's improvements and a more empowered unified objective for Project Please No Plastic. The school was able to reduce its consumed plastic wastes by 50%. This resulted in a reduction of the amount of waste generated by recycling plastics, transforming it to eco-bricks and

by simply avoiding to use it. Some of the interviewed students stated that they had recognized their role as trailblazers of change in the society, and the call for immediate action towards environmental sustainability. This is because the school has been involved in various initiatives primarily the Project Please No Plastic which eventually created a 'ripple effect' to the community as the volunteers who were participating in Project PNP's A Gallon of Plastics increases, creating a new generation of people who are willing to take responsibility towards a greener future.

12. Resources used for programme implementation

To achieve and execute the program, many things are needed and used for it. First, human power. It is an important characteristic resource and part of a project to implement such an ordinance or program inside the school. Groups of students, teachers, and other groups and individuals are doing together to achieve the objective and to do the second resource, the advertisement. In modern times, it has become popular to persuade individuals to join, follow, or take advantage of opportunities and things using visual and oral presentations. A group of students and teachers are tirelessly thinking and doing such presentations to convince individuals to participate in such an event.

Third, supporting materials. To initiate our free water for all students, we needed a water tank and purifier to store and create more clean water. Plastic and wastes garbage for refilling the plastic bottles to create eco-bricks and cements to stabilize the structures made by volunteers. And lastly, we can't initiate the project if there's no place to settle, school unused facilities. When the Philippine Institute of Volcanology and Seismology (PHIVOLCS) and Department of Education announced that the Pedro E. Diaz High School is under beneath in the fault line radius of Marikina Valley Fault known at West Valley Fault, the school needed to abandon some school buildings and areas that are dangerous to use. So, the project team decided to store the eco-bricks to the abandoned rooms with the approval of the school management. The school council also pleasingly lent the team to use the room together with the Supreme Student Government to have a headquarters, planning room for future additional projects, and analytical post for observation of the project.

13. Benefits/Impacts/ positive outcomes of the programme to students, teachers, parents and school. Please include evidence of achievements.

(How the school's programme has transformed the behavior of students, teachers, and parents to improve the school's environment in reducing plastic usage and wastage.?)

The positive outcomes of the PROJECT PNP to the school are found good immediately in just three months. The diminution of the wastes generated by the school is profound to be 74% by the observation and analysis of the trash collectors and school management and the cleanliness of the surroundings inside and outside the school premises was 60% higher than the 2018 observation.

Based on the analytical data of DIVISION PH, the usage of plastic bottles and other single-use plastics in PEDHS were reduced by 94 percent by bringing their own tumbler and reusable food containers. Teachers no longer need to constantly remind their students of the misuse of plastics because through the project students and parents have come to understand more about the harmful effects it has on our environment as well as on their health.

At present, Pedro E. Diaz High School aims to expand its horizon with the help of students, teachers, and parents, it aspires to fulfill almost all the Sustainable Development Goals which isn't impossible as the school lay-out its three-fold goal: to protect the planet, end poverty, and to ensure peace and prosperity. Pedro E. Diaz High School as an empowered member of the society, it has produced trailblazers mainly through its students who lead the way in conquering the challenges at hand. The previously identified plastic and water problems have already been addressed and have now served as an inspiration of hope to end poverty, and ensure peace and prosperity.

14. Benefits/Impacts/ positive outcomes of the programme to people in community, and ecosystem. Please include evidence of achievements.

(How the school's programme has transformed the behavior of people in the community in reducing the plastic usage and wastage and improve the ecosystem of the community?)

PROJECT PNP has had many impacts on the community and especially on Bayanan Creek. Based on the analysis observe by DIVISION PH founder John Lester Villamartin, PROJECT PNP team leader, Ameera Cabusao, and other officials of barangay Alabang, 40% of plastic waste is reduced on its waterways and 30% more will be less if the project will continuously be conducted in the area.

Individuals also have become more knowledgeable about the proper use and reduction of single-use plastics consumption. They became more aware of the great harm it caused to their family and nature. And what a huge contribution the remaining plastic waste can make to their lives. Due to the project of making eco-bricks to be an alternative material to the structures built and using only their own tumblers in the said school, there are more various plans of the various organizations of the PROJECT PNP for the town of Muntinlupa and nearby areas.

This is to make it mandatory and make it a rule in every school to further reduce the contribution of plastic waste in the area having its own water and food containers.

Project Please No Plastic had promoted virtue in committing oneself to become an integral part of the solution to societal problems. With a participatory whole-community approach, different stakeholders collectively worked together to improve the community's health welfare by refusing to single-use plastic and in the mass production of A Gallon Of Plastic, the community was able to provide the needs of the students in public schools. The mass production of these entails the hard work of the entire community including the youth, women and men alike. The regular lake clean-up drive gives way to sustainable food production and livelihood for the citizens near Laguna Lake as it became favorable for fish cultivation. To widen its scope and impact, international, local cooperation and water sustainability promotion have been established for the said particular program. It truly takes a village to raise sustainability.

15. Plan for sustainability and plan for scaling-up/expansion

Plan for sustainability:

The PROJECT PNP is more profound in having good and great results in the past year after the implementation, the school management and project team want to sustain it. To make this possible, PROJECT PNP team plans to widen more knowledge about plastics monthly by conducting more projects, activities, and seminars for students, parents, individuals, and barangay officials. Making more strengthen the project and plan more connected ideas and plans in the future may also attract the other climate and youth organizations to support this program.

The team also plans to look and recruit more volunteers including students, parents, and other individuals. Because of this, the teams want to raise a fundraising project to support and look for more supporting materials such as cement on building eco-bricks structures and additional water tanks for free water stations in the school. In these future plans and methods, we are looking for a cleaner and safer future school for students.

Plan for scaling-up/expansion:

The PROJECT PNP team is looking for more reliable partnerships to expand the concept of this project to the other school helping to improve in reducing single-use plastics consumption. And also, the team is planning to propose a recommended resolution in municipal congress to use sustainable materials such as tumblers, silverwares, and reusable containers instead of single-use plastic components.

Aside from this, the team is formulating projects to catch plastics flowing on Bayanan creek using nets and making more sustainable materials such as straws made up of seaweeds and dilatable container bags for students.

16. Interrelationship of the school programme with other Sustainable Development Goals (SDGs) **(Please refer to page 2 in the Information Note or <https://sustainabledevelopment.un.org/sdgs>)**

Project PNP's long term vision is to engage the world, particularly the youth, to realize their worth as a part of the solution to both local and global plastic pollution crises. We are grounded on providing a high degree of consciousness, structured education, and more programs fulfilling SDG6(Clean Water and Sanitation) and SDG13(Climate Action), along its various programs and activities to sustainably provide fresh drinking water for all and our aspiration to rehabilitate the school's creek and Laguna Lake. It envisions the ripple effect for Project Please No Plastic, to be replicated all over the world as it is economical, community-based, and life-enhancing as it strengthens SDG17(Partnerships for the goals). The Project Please No Plastic has been generously shared by partnered organizations' ambassadors in various conferences and fora on environment to a wide audience both in the Philippines and abroad. From this global stage, interest has transformed into replication at a global level. Project PNP is being brought to prospective ripples of individuals who can address similar challenges in their respective communities as they became the main actor to provide awareness in their respective communities about the impact of plastic-waste consumption fulfilling SDG12(Responsible Consumption and Production). Respect, integrity, inclusion, and sensitivity to the needs of the community round out the values of the Project PNP, which have inspired half-a-million youth leaders to demonstrate passion and commitment to sustainability addressing SDG11(Sustainable Cities and Communities). Trough this we are able to build capacity for change and empower young people with the skills needed to achieve sustainable goals while obtaining the best economic and social benefit, it also employs flexible approach and zero-pollution principle in solving water and plastic related problems fulfilling SDG14(Life Below Water) and SDG13(Life On Land).

17. List of supporting documents such as a copy of the school operational plan or school management plan, action plan, learning/ teaching materials, lesson plans, samples of student worksheet, manuals, etc.

- Document 1) PNP Accomplishment Report
- Document 2) Narrative Reports
- Document 3) PNP – Brigada Eskwela Documentation
- Document 4) Social Studies Daily Lesson Plan
- Document 5) Values Education Daily Lesson Plan

18. Photos related to the activity/programme (Maximum of 5 photos with captions in English)

Photo1



Project PNP *walks on water*, as it became the first public school in Muntinlupa City to ban plastic cups and to offer fresh, clean and free drinking WAFALL (Water For All) through its Bring Your Own Everything program.

Photo 2



All Smiles, as the students and teachers actively support Project PNP by bringing their own reusable tumblers.

Photo 3



Transforming the community through mass producing Gallons of Plastics by clean-up drives in various places of the community.

Photo 4



Students forming a *community of hands* in creating eco-bricks to be transformed into school's most needed facilities.

Photo 5



The *Ripple Effect!* Project PNP with I am SAM Foundation as we fulfill every United Nations' Sustainable Development Goals by expanding our horizon and creating a unifying objective that would sustain **Project Please No Plastic** along with the different implemented projects and programs to create a simply amazing Muntinlupa and eventually influence the world.