



Japan International Cooperation Agency

# National Capital District Solid Waste Management Project



JICA representative Noriyuki Ito



J-PRISM's assistant chief advisor Faafeti Saga-polutete from the project office in Apia, Samoa.



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THE Japanese Government, through its development aid agency JICA is spearheading a clean environment campaign in 11 Pacific Island countries.

The project's name is Japanese Technical Cooperation Project for Promotion of Regional Initiative on Solid Waste Management in the Pacific Island Countries or J-PRISM in short. The project is working in collaboration with the South Pacific Regional Environment Programme office in Apia, Samoa.

Papua New Guinea is the largest partner in this project through the NCD Solid Waste Management Programme which has a five year term commencing in Jan 1, 2011 to Dec 31, 2015.

In this special feature, the project partners, JICA, National Capital District Commission and other supporting government agencies provide an update on the project.

The overall goal of this project is to enhance sustainable management of solid waste management in the Pacific region.

For PNG this calls for improving the aesthetic value and profile of the National Capital District through delivery of proper waste services.

It means specifically to upgrade the existing Baruni disposal facility from an open dump to a proper sanitary landfill through the promotion and enhancement of environmental quality through improve waste management facilities and practices.

JICA's lead role in the NCD Solid Waste Management Project is mainly through the provision of engineering technical expertise and kind. The total commitment for the five year term of the project is K5 million.

### The project purposes:

To improve the waste management system through the upgrading of the disposal facility at Baruni with its associated collection system and to develop and implement a Port Moresby city-specific waste management plan.

At the end of the project, Port Moresby city would benefit from an improved Baruni dump facility; an improved waste collection system, and a have a solid waste management plan.

Although the project was initiated in January 2011, actual work did not start immediately due to a number of factors. However, during the third Joint Coordinating Committee Meeting on Feb 27 at the Holiday Inn, deputy city manager Honk Kiap assured the project partners that the project was "slowly but surely" getting achieving the desired outcomes.

The PNG J-PRISM project is led by the Department of Environment and conservation.

Other government agencies who have an interest in the project are the Department of National Planning and Monitoring which has provided funding already in the last two years, and the Department of Health.

### Project Status

At the third JCC meeting the project office presented a status report.

So far the NCDC, as the implementing agency has set up a separate project management unit.

The Government of PNG, through the Department of National Planning and Monitoring has allocated funding for the project besides the NCDC's own budget. All such funds are parked in a project trust account.

The project has included the 3Rs concept. In order to engage schools in the city to be active participants of the project, students were invited to take part in a logo design competition. Winners of the competition were announced on Wednesday, Feb 26.

JICA office has been involved in the competition and other publicity activities including the funding of this special feature.

One other major milestone for the project was the granting of an Environment Permit (EP) by the Department of Environment and Conservation. Department Secretary Gunther Joku, who is chairman of the JCC announced the granting of the EP at the third meeting.

The designs for the Baruni Dump landfill have been completed by the NCDC engineering division and the contract was awarded to Kana Constructions Ltd.

### The 3Rs Heart Programme

"3R/HEART Initiative in Port Moresby" is an initiative to expand the concept of 3Rs (Reduce, Reuse, and Recycle) to improve our Health, Environment, Attitude, Resource efficiency and Thoughts in Port Moresby.

It is mainly on what is termed or called SOURCE REDUCTION, whereby waste is reduced at the source by alternate use of the waste item such as organic waste for compost, cans and PET(POLY ETHYLENE TETRA CHLORIDE) bottles for recycling.

In the current situation of SWM in Port Moresby, the city suffers from illegal dumping, open burning, lack of environmental awareness, and very little recovery of recyclable waste at the source(house hold). These issues would affect communities' health not only physically but also has adverse impacts on the natural environment and the inefficient use of resources is widespread.

3Rs activities are very much affected by these issues and the promotion of 3Rs would produce multiple benefits;

1. Reduction of waste in the first place,
2. Change attitude and behavior of our residents in handling wastes at home by segregating waste so that it is reduced, reused and recycled (converted to other uses)
3. Economic values - Tag values to specific wastes that are produced at the source (homes),
4. Improve the efficiency of waste collection
5. Increase the life span of the dump by decreasing the volume of waste going to the disposal site.

### The 3Rs logo competition

The competition targeted school children ages ranging from 7 to 16 and from the elementary, lower and higher primary, and the secondary level of education.

As an introductory to the main 3R HEART project, the plan was to put to public media for school children to participate in so that the winning entry can be used as copyright of NCDC to better identify the project.

Out of the 35 entries, five were chosen as winners by our assessors according to the criteria of selection which included originality, authenticity, 3R message portrayed clearly in the drawing, and clear theme based on 3R concept. Prizes were given to each student from their respective levels of Education.

### Category of prizes:

1. Elementary – wifi - LINDA BRENDON
  2. Lower primary – wifi – BRYAN MEA VAI
  3. Higher primary – wifi – NEWTON JOHN
  4. Lower secondary – wifi - OLKAI MAIME
  5. Winner of competition – Laptop – MOMO LEKA Assessment Team
- External – JICA  
Internal - NCDC  
The winning logo



3Rs school logo competition winners.

## About J-PRISM

### Background of the project

OVER several decades, waste has become one of the major concerns for small island countries in the Pacific region because of severe challenges in coping with the increasing volume and changing characteristics of urban and industrial wastes. Improper waste management has potential to pose a significant negative impact on public health, water and food supply, ecosystems, tourism and trade, resources, and even climate change, which threaten the sustainable development in this region.

Such unique constraints as geographical isolation, limited resources and economic scale, and dependence on foreign aid and imported goods have made management of solid waste more difficult for Pacific island countries (PICs).

### JICA/SPREP Solid Waste Initiative

In order to realise the commitment of the Government of Japan at the 2nd PALM (Japan-Pacific Leaders' Meeting) in 2000, JICA started assisting Pacific Island Countries in terms of solid waste management in collaboration with South Pacific Regional Environment Programme (SPREP).

The partnership between SPREP and JICA was enhanced especially through JICA's previous technical cooperation project on "Solid Waste Management Project in the Oceania Region", which was based in the Independent State of Samoa and was implemented from 2006 to 2010.

One of the remarkable achievements in the region resulting from the joint assistance of JICA and SPREP is the development of the Pacific Regional Solid Waste Management Strategy 2010-2015 after a series of consultation in 2009. This Regional Strategy 2010-2015 was unanimously adopted as the guiding principle for the region at the SPREP Meeting in November 2009.

## JICA in PNG

JAPANESE assistance to Papua New Guinea started in 1974, a year before its independence in 1975. The first grant aid was provided for the construction of the then National Fisheries College in Kavieng, New Ireland Province.

Since then, JICA assistance in monetary terms in both grants in aid and technical cooperation has reached over K3.3 billion or 134.6 billion Japanese yen.

JICA assistance priority area are: Strengthening the foundation of economic growth; Improvement of social services; and Environment and Climate Change.

The NCD Solid Waste Management Programme falls the area of environment and climate change. The project has a term of five years commencing in Jan 2011 to Dec 2015.

In an attempt to get the NCD community to appreciate the project Solid Waste Management Project and to give the 3Rs (Reduce, Reuse and Recycle) campaign a "face" the NCDC launched a logo competition which city schools were invited to attended. The winner/s of the competition are featured here.



JICA officials Noriyuki Ito, Hiromitsu Iwamoto and J-PRISM's Faafeti Sagapolutete.



JICA chief representative Sugiyama Sigeru, Department of Environment and Conservation Secretary Gunther Joku and Deputy City Manager Honk Kiap at the third Joint Coordinating Committee Meeting on Feb 27.



The third meeting of the Joint Coordination Committee on Feb 27 at Holiday Inn.