

Summary of Overall Progress

Phewa Lake Environment Awareness and Capacity Building Project (PLEACBP) are continuously implementing its activities since August 1, 2004. In the fourth quarter, the activities set for this year went in full fledge. Broadly speaking, its activities can be classified into two categories.

1. Set Activities
2. Community Initiative (CI) Activities

1. Set Activities:

Set Activities are directly implemented by the Project with the active participation of local NGO, FM station, private organization from Pokhara. This project has done various types of activities for project staff as well as for Local Environment Improvement Committee (LEIC). Through LEICs, it has actively involved local households, women group and user's group. In set activities, it has organized different types of environment awareness and capacity building training as:

- a. Accounting Training
- b. Proposal Writing Training
- c. Office Management Training
- d. Leadership Training
- e. Report Writing
- f. Composting Training
- g. Anchoring

These trainings were given to LEIC members and Pokhara Municipality staff conducted y different NGOs after an agreement with the project. These training helped to assess plan and develop and monitor the capacity of local communities and project partners.

Other Set Activities such as Awareness Raising Materials developed by Machhapuchhre Development Organization (MDO), Water Quality Test conducted by Fisheries Research Station (FRS), Radio program by Annapurna and Machhapuchhre FM stations, School level awareness program by ECO-cs Nepal, Participatory Environmental Rules and Action Management Plan (PERAMP) by Environmentalist Kamal Shrestha, Environmental Profile & Resource map by East Consultant. These activities were able to start however few activities were not able to finish. So it was agreed to restart and complete the activities next year. Those activities that has been accomplished this year has been enclosed in this report.

Community Initiative (CI) activities:

CI activities were implemented by the Local Environment Improvement Committees (LEIC) under the guidance of the Project. Some of the major activities completed by LEICs are cleaning of Seti canal and Siltration Basin, cleaning and maintenance of drainage and Phirke River, tagging of hording board, purchasing of Rickshaw to collect solid waste, distribution of waste bin etc. From these CI activities, local communities as well as general public of Pokhara municipality were aware and involved for the Environmental conservation of Phewa Lake.

After the completion of CI activities, local communities gained different environmental conservation knowledge. Once they saw these cleaning activities right in front of them, they were very much impressed and became aware of the program. Therefore people appreciated the concept of CI activities and were impressed by the

program. However, the solid wastes that were collected from these canals, drainage and canals were not collected on time, which created problem for the local communities. So it was learnt that equal importance should be given to the dumping of solid waste.

Achievement in the Quarter

Phewa Lake Environment Awareness and capacity building project (PLEACBP) has completed most of the CI activities and Set Activities in ward no. 1-9 and 17 starting from Jan 1, 2005 to March 15, 2005. The achievements of the activities are given below.

Set Activities

Set activities were completed with in project area and are given below.

1. Office management Training:

Office Management Training was held from Feb 20, 2005 to Feb 23 2005. This training was organized for the members of Local Environment Improvement committee (LEIC) conducted by Indreni Bikas Kendra, Bagar-1 in Inderni Clubs Hall. Altogether 30 participants took part in the training program representing each LEIC. After the completion of training, it was expected that LEIC became capable to adequately manage official documents and perform work smoothly.

2. Account Training:

Account Training for LEICs member was held from March 1, 2005 to March 5, 2005 in Srijana bikas Kendra hall. This training was conducted by Srijana Bikas Kendra where 30 participants representing LEIC were involved. With this training, the LEIC members were capable of keeping the Income and Expenditure Budget of different activities.

3. Leadership Training:

Leadership & Program Writing Training was conducted by Jalpa Youth Club from March 9, 2005 to March 11, 2005 in Srijana Bikas Kendra Hall. 30 participants were present in this training. This training helped to increase the capacity in leading and decision making power while mobilizing the local communities.

4. Proposal Writing Training:

Proposal Writing Training was held from Jan 30, 2005 to Feb 3, 2005. This training was conducted by Nest in Siddhartha club hall. In this training, 30 participants as representative of each LEICs from 1-9 and 17 wards took part. After the completion of this training, LEIC members were able to make and submit Proposals for CI activities on their own. During this training, the Project also circulated guidelines that were used in Pokhara Sub-Metropolitan city and for the Project.

5. Environment Profile and Resource Map:

After an open bid invitation, the responsibility to make Environment Profile and Resource map was given to EAST Consultant. Though the work for the preparation of Environment Profile and resource map started, but is not finished. So this has to be carried out to next year. Social map will help to

identify the main environment problems and plans for counter measure and direct for the formulation of CI activities.

6. Participatory Environment Rules and Action Management Plan (PERAMP) :

The responsibility of making of PERAMP has given to Environmentalist Kamal Shrestha. He also has the experience of working in the environment sector of Pokhara before. Although it started this year, but is not completed yet and will start in next year. After the completion of PERAMP with the participation of Local Environment Improvement Committees and other stakeholders, this will help to facilitate to design Community Initiative Activities, develop monitoring indicators and make Community Initiatives Activities sustainable. This will also help Local communities to implement the PERAMP as it is made with their participation and implement it in local level.

7. Water Quality Test:

A Memorandum of Understanding was signed with the Fisheries Research Station (FRS) for the Water Quality Test from Jan 1. 2005 till March 2007. However the first year agreement was signed with the FRS from Jan, 2005 to March, 05. They will be conducting water test on fortnightly basis. It is understood that they will be collecting water from 7 different locations of the Lake at 4 different levels. As the water Quality Test is also means of verification and it is expected that periodic test report will also help to determine the change in the quality of water of Lake. Also it will help LEICs to make related CI activities so as to improve the quality of water.

8. School Level Environment Awareness program:

School level environment awareness program has started from Jan 25, 2005 and completed March 15, 2005 by ECO-CSn, a local Ngo. This program made conscious to students teachers on the issue of environmental conservation. Mainly students acted as catalyst to mobilize the local community in each related wards.

9. Local Coordination committee meeting:

The Local Coordination committee (LCC) meeting was held in Feb 25, 2005. The LCC meeting mainly concentrated on the implementation of CI activities and the deadline set for this completion.

10. Project Steering Committee meeting (PSC):

The project Steering Committee (PSC) meeting was held in Feb 20, 2005. The LCC meeting mainly concentrated on the implementation of CI Activities and the deadline set for its completion.

11. Composting training

One of the most successful training happened to be the Composting Training. Composting Training was conducted by different NGOs in the project area. Each Ngo were given to conduct Composting training ward wise with at least 50 household from each ward in the Project area. At least 500 households from 10 wards benefited from the Effective Waste Management and Composting training. The training started form Feb 20, 2005 and completed on March 10, 2005 and details are given below.

a. Ward no 1

Compost training was conducted by Community Development Foundation. It began from March 3 and completed on 4 at Andha Kalyan Sangh. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their houses. These activities supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

b. Ward no 2

Compost Training was conducted by Community Development Foundation. It began from March 6 and completed on 7 at Andha Kalyan Sangh. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their houses. These activities supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

c. Ward no 3

Compost Training was conducted by Nepal Integrated Community. It began from March 9 and completed on 10 at Sato Guras -3. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

d. Ward no 4

Compost Training was conducted by Nepal Pahadi Krishi Ban Udham. It began from Feb 20 and completed on 21 at Ward Office - 4. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

e. Ward no 5

Compost Training was conducted by Nepal Integrated Community Development Sangh. It began from Feb 23 and completed on 24 at Ward Office - 6. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

f. Ward no 6

Compost Training was conducted by Srijansil Mahila Samuha. It began from Feb 26 and completed on 27 at Ward Office - 6. 50 participants were presented in Compost Training. Total 50 house holds were

benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

g. Ward no 7

Compost Training was conducted by Heralo Academic Pokhara. It began from Feb 27 and completed on 28 at Tourist Bus Babasaya Sangh. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

h. Ward no 8

Compost Training was conducted by NIDS. It began from March 1 and completed on 2 at Red Cross Society. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

i. Ward no 9

Compost Training was conducted by Nepal Pahadi Krishi Ban Udham. It began from March 3 and completed on 4 at Party Palace. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

j. Ward no 17

Compost Training was conducted by Brother International Group. It began from March 6 and completed on 7 at Hotel Dragon. 50 participants were presented in Compost Training. Total 50 house holds were benefited from this training. It helped to encourage the local people for making compost fertilizer in their each house hold. These activities were supported to reduce solid waste generated from house hold and it directly supported on environment conservation of Phewa Lake and Local Environment.

CI Activities:

CI activities were completed in ward no 1-9 and 17. The program mainly focused on environment conservation activities of Phewa Lake and local places. These CI activities are given below.

Ward no-1:

Machhapuchhre Environment Improvement Committee wards no. 1

LEIC-1 has completed many CI activities in different places of ward no-1 and are given below.

Activities	Location
Drainage Cleaning	Kasari Tole
Drainage Cleaning	Taxi Chowk, Bagbar, Bhim Bazar, Dhando line and Manasadak
Drainage Cleaning	Chari Chowk and Tundhikhel
Drainage Cleaning	Adhikari Tole
Drainage Cleaning and Maintenance	Simpani
Drainage Cleaning and Maintenance	Himkali Patan
Road Repairing	K.I Singh pool
Drainage Cleaning and Maintenance	Lamp tan

The above activities have been completed with the active participation of club, social worker, intellectuals and individuals and non-governmental organizations.

For the awareness of Local Community, Mr. Rudra Mani Parajuli, a member of Machhapuchhre Environment Improvement Committee has been working very actively. He has dedicated most of his time on CI activities.

The local people emphasized on the sustainability of the people to obtain the objectives and goal set by the project. For the conservation Lake, the local people stressed on the need to reduce the pollution of Phewa Lake from their beginning point.

Distribution of Dustbin:

For the conservation of environment of Phewa Lake and to grow awareness among the general public, local people have contributed 20% of the total cost for hoarding board. Now one can see these Hoarding board all round the public area. They have played great to increase awareness among local people.

Drainage Repairing:

In the city area, drainage were damaged and waste materials were not passing to their destinations. Also the waste was there for many years. So after the implementation of this project, the drainage has been reformed so that waste can reach to their destination and also waste materials were taken out. It has helped to control the pollution of the Lake. The community people also gave some contribution. Because of that reason, the environment became cleaner.

Rickshaw Mobilization:

The Machhapuchhre Environment reformation committee has classified the dirty materials into organic and non-organic. They have started four rickshaws to collect households waste and take to land field site. They have also made rules and regulations for the movement of Rickshaw.

Ward no-2:

Pokhara Besi Environment Improvement Committee has completed CI activities in different related areas and are as follows:

Activities	Location
Drainage Cleaning	Bus Park
Drainage Maintenance	Miruwa

Sati Canal Maintenance	Sahi Tole
Drainage Maintenance	Guhaishwari Marga
Drain Cleaning	Nadipur Marga

Local Institution, Woman groups, CBOs and other related individuals were participated in this program. It helped local people to gain environmental awareness and conservation of Phewa Lake.

Hoarding Board:

Hoarding Boards were made with a contribution of 20% from the LEIC. Hoarding boards are placed in different places that included different environment slogans. This has provide local people awareness on environment issues and conservation of Phewa Lake as well as Local Places

Poster

Posters were printed by LEIC and distributed to each house holds that are related to project area in ward no 2. This program also helped to raise awareness among local people and gain different knowledge of Phewa lake Conservation.

Ward no- 3

Annapura Environment Improvement Committee has completed various types of CI activities in different place of ward no. 3. They are given below.

Activities	Location
Drainage Maintenance and Cleaning	Sahi Tole
Drainage Maintenance and Cleaning	Tersapati
Cleaning Activities	Visi Marg, Kanya Marga, Nadipur & other

Local Institution, Woman groups, CBOs and other related individuals were participated in this program. It helped local people to gain environmental awareness and conservation of Phewa Lake as well as local places.

Distribution of Compost Drum:

Compost Drum were purchased and distributed to the trained members (those who took Composting training) by LEICs with a contribution of 20% of the total cost. The Composting Training has provided knowledge to manage the general waste from the house hold which eventually lead to the conservation of Lake and increase the life to Land Fill site.

Hoarding Board:

Hoarding Board was purchase with 20% contributions from local people and are places in dense settlement, Market area and places that generate more waste materials. This program helped local people for conservation and improvement of Phewa Lake and Local Environment.

Rickshaw Mobilization:

LEIC was purchased 4 rickshaws with a cost sharing of 20%. This has supported LEIC for the collection of unmanaged waste from the ward no. 3. From this activity, people felt easy to collect and manage solid waste.

Ward No-4

Nabin Environment Improvement Committee has completed different types of CI activities in different places of ward no -4. They are as follows.

Activities	Location
Every places of ward and	Phirke Khola

Cleaning program was completed by LEIC in many places of ward and Phirke Khola with the active participation of women group and clubs. This program helped the local people for improvement and conservation of Phewa Lake.

Hoarding Board:

Hoarding Board was manufactured with a contribution of 20% from local people. This type of board has tagged in dense local settlement, Market area and places generating more waste. These programs helped local people for conservation and improvement of Phewa Lake and Local Environment.

Check Dam:

Check dam was constructed in Phirke Khola by LEIC with 20% Cost Sharing by local people. Phirke Khola is main point source of pollution Phewa Lake. It is expected that this Check dam will help to control and minimize the pollution of Phewa Lake.

Compost Drum:

300 compost drum was purchased with 20% contribution from the local people. These drums were distributed to trained members (those who took Composting training) and other local people. People became well aware about compost fertilizer from Compost training. Now they are going to make compost fertilizer in distributed drums. It helped to encourage local people to reduce waste from each house holds of ward 4.

Rickshaw

LEIC has purchased 4 rickshaws with 20% cost sharing. It has supported community for collecting unmanaged waste from the Ward No. 4. From these activities, people felt easy to manage solid waste in their ward.

Ward No-5

Bahari Environment Improvement Committee has completed various types of CI activities in different place of ward no. 5. They are given below.

Activities	Location
Cleaning	Different places of wards
Drainage Maintenance (Seti canal)	Different places of wards

Hoarding Board

Hoarding Board was manufactured by LEICs with 20% cost sharing by local people. These types of board are placed in dense local settlement, market area and places generating more waste. These programs will help to make local people aware for the conservation and improvement of Phewa Lake and Local Environment.

Ward No. 6

This ward is more attached to the periphery of Phewa Lake. So this ward is also responsible for the pollution of Lake and at the same time they get direct and more benefit from the Lake activities.

Activities	Location
Compost Drum Distribution	Varies places in Ward 6

Cleaning program of Seti canal & siltration basin	Jarewar, Camping Chowk and Hallan Chowk
Water Hyacinth removing program	Swimming pool to Gaira ko chautara
Soak pit Construction	Jarewar and different places in ward 6
Iron net Construction	Places in Ward 6, Bulundi Pool

Drainage Cleaning Program:

Drainage cleaning program is completed from the Phewa Lake Environment Committee (FEIC) in ward no- 6 of Baidam. The gated mechanism has developed on this program.

Sanitation program of ward no. 6 can be categorized into three types. First in Drain sanitation, which is directly connected to Phewa Lake from Jarewar to Siltration basin, secondly the seti canal cleaning program and thirdly the removal of water hyacinth program.

For this purpose, three sub-committees has been formed under the influence of FEIC. Mr. Padam Raj Pahari, Mr. Toyanatha pahari, Mr. Gyan bahadur Jalari played the role of co-ordination for the Drain sanitation, Seti canal cleaning & removal of water hyacinth respectively.

It was found that 112 pipes from septic tank to Kitchen outlets were illegally joined directly into the drain from most of the households starting from Jarewar to Hallanchowk. Altogether 76 illegal connections were removed by local communities. Remaining connection will be removed soon.

Many types of waste were found compactly collected in semi-liquid conditions in the Siltration basin. The collection of waste into the Siltration basin has been completely removed.

FEIC has also pointed out the places of illegal connection by technical sign painting Yellow from Jarewar to Hallanchowk.

Similary, Seti Canal cleaning program from Bulandi to Camping Chowk has been completed. The condition of Seti Canal flows all the way from ward no. 1 and passes through wards 2, 3,4,5,6 and 7. The last point of Seti Canal is in ward no 6. Due to dead bodies of dog, pig, feather of hen, & intestine of domestic animal and plastic, bottle, iron etc the environment of Camping Chowk was very much polluted at the time of cleaning program. Now the condition of Seti Canal is improved.

Due to the sanitation program, co-ordination mechanism has developed among local communities. They are involved in Phewa Lake conservation and taking initiatives for Phewa Lake Conservation.

Water Hyacinth removing program has been completed from swimming pool to Gaira ko Chautara. Mr. Gyan Bahadur jarali was the chairman of Water Hyacinth removing sub committee. The Jalari group inhabitant of Baidam took keen initiatives for removing water Hyacinth. But some difficulties were found while disposing the water Hyacinth and is dumped at a distance of 50 meters from the Lake. This program was also completed with huge success. After the removal of Water Hyacinth, it helped to change the appearance or aesthetic beauty of the issue of Phewa Lake conservation among local communities, CBOs, Woman's group and

Social personalities. This program also received the interest among local and National Media.

Soak Pit Construction:

A common soak pit has been constructed tin Jarewar near the public tap. This soak pit helped to minimize the direct follow of soap water into Phewa Lake through drain. This program will also help to change the behavior of local community who are directly or indirectly contributing the pollution of Phewa Lake. Now some of the local community has been trained to construct the soak pit and few have already started constructing soak pit in local houses.

Compost Drum Distribution:

Composting Drum is distributed mainly those person who are involved in Composting training organized by project. This program has developed the concept about waste management and controlling mechanism via each house hold which will ultimately result into the controlling waste from households.

Iron net Construction

Waste of Set Canal is another problem for the degradation of Phewa Lake environment. The Bulaundi bridge borders ward no 5 & 6 and Seti Canal flows through it. FEIC has constructed the Iron Net at the border point of Bulundi Bridge. This will help to block the waste in the net and made easy to cast out waste from the net at an appropriate time interval.

Ward no. 7

Srijansil Environment Improvement Committee has completed various types of CI activities in differeentn place of ward no. 7. They are given below.

Activities	Location
Cleaning	Different places of Wards

Hoarding board:

Hoarding Board was manufactured by LEIC with 20% cost sharing by the local people. This type of board are placed in dense local settlement, market area that generate more waste area and these programs helped to local people for the conservation and improvement of Phewa lake and Local Environment.

Mobilization of Rickshaw:

LEIC was purchased 3 rickshaws in 20% cost sharing. This has supported LEIC for the collection of unmanaged waste from the Ward No. 7. From this activity people felt easy to manage solid waste.

Compost Drum

Compost Drum was purchased by LEIC in 20% cost sharing of local people. These drum were distributed to members who took Compost training and other local people. People were well known in composting from compost fertilizer training and they are going to make Compost fertilizer in the distributed drum. It helped local people for the reduction of waste form each house hold of ward 7.

Ward no- 8:

Prithivi Environment Improvement Committee has completed various types of CI activities in different place of ward no. 8 and are given below.

Activities	Location
Cleaning of Phirke Khola	All area in ward 8
Septic tank construction	3 in Prathiva Marg 1 in Kunwar Samaj
Dust Bin Distribution	Main road side in Ward 8

Cleaning Program:

The Cleaning program of Phirke has completed from Kunwar Samaj to Prathiva Marga. Various kind of solid waste, Plastic, Bottle, Rod, Mat, Dead Bodies of domestic animal were taken out from the Phirke River.

Septic Tank:

The septic tank construction on the side of Phirke River is completed. There are 3 septic tanks on Prathiva marg and one on Kunwar samaj which is constructed in the dense and unmanaged settlement area and lower public area.

Distribution of Dustbin:

For the management of dirty waste, 1418 dustbins have been distributed in main road of ward no. 8. Local people have made 20% cost sharing for the Dustbins. After distributing the dustbin the surrounding has been reformed and the community seems neat and clean.

Ward No. - 9

Seti Ganga Environment Improvement Committee (SEIC) has completed various types of CI activities in different places of ward no. 9. They are given below.

Activities	Location
Cleanings	Different area in ward 9
Drainage Maintenance	Different area in ward 9

Local Institution, Woman groups and other related individuals were participated in this program. It helped local people to gain environmental awareness and conservation of Phewa Lake.

Hoarding Board:

Hoarding Board and Pole painting have manufactured by SEIC in 20% cost sharing of Local people has been completed in different parts of ward. This type of board has been tagged in dense local settlement, market area and places generating more waste. These programs helped to local people for conservation and improvement of Phewa Lake and Local Environment.

Distribution of Dustbin:

For the management of dirty things dustbins have been distributed in ward no 9 with a cost sharing of 20% by the local people. After distributing the dustbin the surrounding has been reformed and the community seems neat and clean.

Ward no -17

Siddhartha Environment Improvements Committee had completed various typed of CI activities in different place of ward no 17. They are given below.

Activities	Location
Cleanings	From Mustang Chowk to Devis Fall
Garble filling, Jal Khumbhi removing,	Dam side, Pani Ghat

Distribution of Dustbin:

For the management of dirty things dustbins have been distributed in ward no 17 where local community have shared 20% of the total cost. After distributing the dustbin, the surroundings have been reformed and the community seems neat and clean.

Compost Drum:

Compost drum was purchased by LEIC with 20% cost sharing of local people. These drum has been distributed to those who took Compost trainings and they are going to make compost training in these distributed drums. It helped local people for reduction of waste from each house holds of ward no. 17.

Output

- a. Land Street, Road, Drainage, Canals and chowk seem to have been neat and clean.
- b. The project created a co-operative sentiment to conserve the environment of Phewa Lake.
- c. After the removal of Water Hyacinth from Phewa Lake, it helped to maintain its aesthetic beauty.
- d. The activities developed positive attitude towards our project among the local communities.
- e. Environment of local places, drains, canals, roads & siltration basin are neat and clean.
- f. Local people are positively aware and felt self responsible for conservation of Phewa Lake environment as well as local environment.
- g. Office staffs gained a different knowledge and experience from CI activities.
- h. This program develops the co-operations between the community and the project as well as staffs.
- i. Students and teachers became strongly conscious on the issue of environment from School level program.

Bottle neck or obstacles found:

- a. CI Activities in all wards started at the same time. So that made difficult to manage the generated waste of 10 wards.
- b. Allocated budget for CI activities was not sufficient in the existing situation
- c. LEIC raised more voice to release the budget for CI activities in punctual time.
- d. The LEIC member raised the issue about the rest of this year budget of CI activities to be included in the next year budget.
- e. LEIC member raised more voice that it need to measurable training allowances for training participant.
- f. Due to cleaning program of Siltration Basin, 4 people suffered from Diarrhea.
- g. Radio program has stopped due to State of Emergency
- h. T.V. program couldn't be disseminated because of state of Emergency.