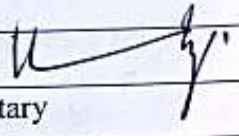


**5<sup>th</sup> Management Meeting****Date- 29<sup>th</sup> October 2021****Venue- Thromde Conference Hall****Time: 9:30AM****Members Present**

Sl. /No	Name	Designation
1	Dasho Ugyen Dorji	Thrompon 
2	Mr. Karma Namgyel	Executive Secretary
3	Mr. Sonam Dorjee	Chief ADM Officer
4	Mr. Sangay Drukpa	Chief TEO
5	Mr. Yeshe Wangdi	Chief Engineer
6	Mr. Tashi Phuntsho	Chief, DRD
7	Mr. Sonma Tobgay	Dy. Chief, LSRD
8	Mrs. Sonam Desel	Chief, Environment Division
9	Mrs. Shera Dolkar	Dy. Chief Forestry Officer
10	Mrs. Sonam Choden	GIS Officer
11	Mr. Tshering Dorji	Engineer
12	Mr. Dorji Phurba	ADM Officer
13	Mr. Sonam Tshewang	Labour Officer
14	Mr. Pema Thekchok	Engineer
15	Mrs. Kunlay Yangdon	Executive Engineer
16	Mrs. Phub Dema	Internal Auditor
17	Mrs. Zulkee Choden Rinzin	MRO
18	Mr. Karma Chopel	Expert, EBA Project
19	Mr. Karma Dorji	Planning Officer

**Opening Remarks**

The Chair welcomed all the members to the 5<sup>th</sup> Management Meeting and thanked all for taking time out of busy schedules. He updated some of the achievements made in last 2-3 months since his first day in Office. He informed that *Thromde* has been putting in full effort in taking up any kind of projects. For example in the ongoing 4-lane project from Chubachu-Jungzhina, all



*Thromde* staff including the hardworking *Thromde* Workforce involved there have put in lot of hard works and a commendable progress has been achieved within a short period of time. He also informed that if all of us do what is required to be done, the progress will be phenomenal. Therefore, he stated that *Thromde* will work even harder hereafter to carry out all the projects and programs planned ahead.

#### **Agenda 5.1- Follow up on the 4th MM decisions**

The Planning Officer presented the implementation status of the 4<sup>th</sup> Management Meeting minutes to the Management. No issues have been observed but in the case *Thromde* payment app, it was learnt that even the option to pay property transfer tax has been incorporated now. During the 4<sup>th</sup> Management Meeting, only the payment of water bill has been incorporated. Therefore the Management directed the Media Relations Officer (MRO) to kindly disseminate the information to the public through social media.

**Action-** MRO

#### **Agenda 5.2- Replacement of Mrs. Tshering, *Thromde* Education Adm**

The Chief *Thromde* Education Officer (CTEO) reported that as per the letter received from RCSC, the current ADM of the *Thromde* Education Office had to be relieved and the Human Resource Committee (HRC) has internally transferred her to the Human Resource Section (HR Section). In her place, a person under muster roll has been recruited but she is not so experienced and delays service delivery according to the Chief TEO.

#### **Discussion**

The Executive Secretary informed that the same has been decided for other *Dzongkhags* and *Thromdes* as well. Accordingly few *Dzongdags* have appealed to RCSC to retain the ADM for Education Offices. So till the RCSC responds to this request, the HRC has decided to transfer *Thromde* Education Office ADM to HR Section and recruit different person in her place. The Chair informed that if there is no problem with the HR Section in terms of carrying out the duties at present, the current Education ADM can be retained with the Education. The Chief ADM Officer reported that HR Section is bogged down with works having to cater to huge number of teachers and *Thromde* staff. The Chief TEO reported that the current ADM, Ms. Tshering is well trained and experienced in carrying out all clerical works for Education Division.



**• Decision**

The Management decided to retain the current Education ADM, Mrs. Tshering with Education Division till the end of December 2021 and after that she shall be transferred to HR Section. This is mainly to train the new one and carry out all handing-taking works. The Management also decided to recruit one trained/experienced ADM on contract who has diploma (at S level) for Education Division if the current recruited candidate is not able to carry out the task.

**Action** – HRS/Chief TEO

**Agenda 5.3 - City bussing in few grey areas**

The Chief TEO requested the Management that additional buses for few Schools like for Kunselpodrang School as the current bus is not able to cater the demand. Especially in the evening when School time is over, the students rush to City Bus and there are high risks of accidents.

**Decision**

The Management agreed that once the new City buses with new routes are rolled out, all these areas will have been covered and the issues will have been resolved then.

**Action** – City Bus Service Provider/Chief TEO

**Agenda 5.4- Zilukha school ground and school road connecting to four lane and school gate**

The Chief TEO informed that the construction materials of the ongoing 4-lane project are stacked at the Zilukha School ground and the initial agreement was to develop the ground and access road along with gate for the School after the completion of the project. Now the project is coming to an end, the improvement works will have to be carried out as agreed stated the Chief TEO.

**Decision**

The Management decided that as agreed before the initiation of project, the development works for Zilukha School will have to be carried out and directed the ID to include in the current FY.

**Action** - 4-Lane project team/ID



**Agenda 5.5 - Pending water bill for Dechencholing School**

The Chief TEO reported that there is a pending water bill for Dechencholing HSS which is around 0.4M for 27 months and the School is not able to pay. He informed that there is a bigger diameter pipe coming from the source but a smaller diameter pipe is used at school and therefore, there is a leakage due to pressure. The School administration could not pay the bill because their average bill used to come around Nu 8000 per month and the current issue was due to technical error he reported.

**Discussion**

The ICT Officer reported that the average monthly bill was Nu 8000 but at one point it came more than 0.1M. The water could not be disconnected since the water is very much required for the School. The Internal Auditor reported that Dechencholing HSS has stopped paying water bill since April 2019. The School Management informed that it is a technical error as highlighted above. The internal auditor pointed out the revenue leakage from this in her recent revenue audit report. The concerned water engineer informed that the rectification works have been carried to solve the technical error but when the pipe has been replaced with smaller diameter, the School complained that water is insufficient and therefore bigger diameter is needed. Hence the problem persisted.

**Decision**

The Management decided:

1. To levy the School Management the average monthly bill amount times the number of months for which the bill is not paid. It is decided that the penalty for unpaid bill shall be waived off.
2. The Management also directed the Education Division to inform the School management to have an internal talk with the contractor of the ongoing constructions for payment of water bill hereafter if the contractor is using the water from the school for his construction purposes.
3. The Management also directed the ID to look into the matter to solve the technical error to avoid water leakages.

**Action** – ICT/Chief TEO/ID



**Agenda 5.6- Sewerage and drainage issues in Babesa Pry School**

This issue was put forth by the Babesa Primary School that there is seepage from the walls behind the School. The school reported that it emits foul smell especially in the morning that disrupts the proper school functioning.

**Decision**

The Management directed the Education Division to take up the issue with the ID and there is no need for discussion in the Management.

**Action – Chief TEO****Agenda 5.7- Prioritization and endorsement of activities under *Thromde* Education Division for the fiscal year 2021-2022**

The *Thromde* Education Division has proposed activities which are to be carried out in the current FY 2021-2022. Since there are many activities being proposed by all Schools, the ID has directed the Education to put to the Management for prioritization.

**Discussion**

The Chair informed that there is a total budget of Nu 105M marked for Education Division and as far as it is within this ceiling, the works can be taken up.

**Decision**

The Management directed:

1. The *Thromde* Education and ID to sit together and discuss on what projects to take up and also on the use of materials along with the School Management as far as it is within the Nu 105 M ceiling marked for Education Division.
2. With regard to Nu 45 M spent for Dechencholing HSS, the Management directed the Education Division to talk to the relevant authorities to recoup the total expenditure incurred since there is limited budget for Education Division.

**Action –ID/Chief TEO****Agenda 5.8 - ICT Division formation notification and clarity from RCSC.**

The Executive Secretary informed that there is a need for creation of ICT Division for *Thromde* and the ICT and GIS can be put under one Division. Initially *Thromde* has proposed for this



Division but it wasn't approved by OD exercise. But it has been notified that *Thromde* will have ICT division created. Since ODE did not approve the ICT as Division, *Thromde* wants to seek clearance from RCSC on this matter. The ICT Officer reported that he in consultation with HR Section will be submitting the ToR of the ICT Division to RCSC as required and then it will have decided whether the ICT Division is required in *Thromde* or not. This was shared as information for the Management.

#### **5.8.1. ICT in Schools needs to be taken up aggressively by TEO**

The Executive Secretary informed that the ICT in School must be taken aggressively. Since the ICT labs in most of the schools have been completed, there is a need to install all the required equipment inside.

#### **Decision**

The Management decided to take up bilaterally with the Ministry of Education and directed the *Thromde* Education Office for necessary action.

#### **Action - CTEO**

#### **5.8.2. Laptop issuance modality for *Thromde* officials**

The Executive Secretary informed that laptop requisition comes from all staff. Therefore, it is important to develop modality for issuance of Laptop to the individual. The modality where the brand choice can be given to the individual and buy on a cost sharing basis. And after 5 years, the individual can claim the ownership of the laptop.

The Dy. Chief of Land Record and Survey Division informed the Management that he has learnt the same modality proposed by Anti-Corruption Commission wasn't approved by the Ministry of Finance (MoF).

#### **Decision**

Since MoF did not approve the request made by other agencies, the Management could not deliberate further on this modality.

#### **Action – Procurement Section**





**Agenda 5.9- Master Plans: Water, Mobility, Open spaces (EBA status and the planning inception necessary)**

The Executive Secretary informed that there is a need to have master plan for water, mobility and open spaces for *Thromde*. He submitted that either *Thromde* can take up individually or write to Ministry concerned to develop the master plans.

**Discussion**

The Executive Secretary submitted that earlier, the water master plan was to be developed by the MoWHS but still there is no talk of water master plan. The concerned water engineer reported that there is a plan under the water flagship program and even the fund for the same has been booked. However, he suggested getting confirmation from MoWHS.

**Decision-** the Management directed the ID to write to the MoWHS and get the status of the water master plan.

With regard to mobility, there is also a need to have to be proper master plan and it is high time for *Thimphu Thromde* to come up with proper master plan. The Executive Secretary informed that there is a little touch in the *Thimphu Structure Plan (TSP)* but it has not taken up in detail. The GIS Officer suggested involving various other relevant agencies rather than one agency taking the lead and developing it. The Chair suggested that it can be taken up by *Thromde* getting help from external experts.

**Decision**

The Management decided to have it developed by *Thromde* with the help of experts.

The Executive Secretary also submitted that it is important to have at least broader plans for the open spaces including parks. Those existing and those planned can be reflected and earmarked in the map for future reference including the river front development. This could serve as master plan.

The Environment Division presented to the Management on the status of the EBA project. The EBA Project expert reported that the NEC has awarded the consultancy services for climate modeling, socio-economic research, and ecosystem assessment, development of vulnerability maps and identification of adaptation needs. The consultancy service has almost completed the report and stakeholder meeting is yet to be convened. The NEC is also in contact with relevant



research institutions to develop a long term research program which is also a part of the EBA project. The project steering committee meeting is also scheduled to be convened in the coming month.

Together with this, the Environment Division also presented the river front development plans to the Management. Currently only Wangchu River and few other tributaries have been included. The main components of the river front development project include cycling tracks, pedestrian bridges, walking trails and other recreational amenities and few already developed will be incorporated.

### Decision

The Management also decided to:

1. Propose the procurement of effective research/survey drones under this project.
2. The water front development plan can be taken up along with EBA project since it is very much related.
3. The Management directed the Environment Division to capture all spaces (Buffer areas) along the river in the river front development plan.
4. The Management also discussed and directed the National Technical Expert of the EBA project to assist in preparing the River Front Development Plan for Thimphu *Thromde* capturing all open spaces along natural streams and WangChhu River. Following, the prioritization of areas for implementation can be taken up according to the availability of budget through the EBA and other sources of funding.

**Action** – Environment Division/EBA Team

### Agenda 5.11 - *Thromde* Service Works Timing & Management for efficient services

The Executive Secretary reported that the working time for *Thromde* Workforce to be changed for efficient service delivery. Since there is quite a lot disturbances by public and traffic during the daytime, the work timing can be changed to night when there will be less traffic on roads.

### Discussion

The Chief of Environment Division reported that many of the *Thromde* Workforces are women and it would be very inconvenient for women to work at night. The Chair suggested that for



contract works it can be rescheduled especially those works which are hampered by the traffic flow during the day time like the road and sewer development works.

#### **Decision**

The Management directed the Labour Officer, Environment and Infra Divisions to work out the working modalities for the *Thromde* Workforce, waste collection services and other contract works and put up to the Management.

**Action** – Labour Officer/ID/Environment Division

#### **Agenda 5.12- Procurement of Road Maintenance equipment on urgent basis (Pothole patching machines, road marker)**


The Executive Secretary put forth to the Management the need for few necessary machines like pothole machines and road marker machines which are required on a day to day basis. He also informed that this could help reduce manual works and workforce thus delivering efficient services.

#### **Decision**

The Management directed:

1. The Infra Division and the procurement section to explore the availability of pothole patching and road marker machines with indicative cost.
2. The Management also decided to internally arrange the functioning of the Infra Division as Maintenance and Infrastructure Divisions.
3. The cleaning and clearing of public space, footpaths, roads and drains must be under Maintenance Division and hence, all cleaning & clearing mandates with all workforces must be transferred from Environment Division to Maintenance Division. The workforce for operation and management of Cremation Ground and Landfill shall be with Environment Division.

**Action** – AFD/ID





**Agenda 5.13- Follow-up on arbitration between Thimphu Thromde and M/s Gawai Nima Construction**

With regard to arbitration case between Thimphu *Thromde* and M/s Gawai Nima Construction of re-development of Olakha Workshop, the ADM Officer presented that as per the decision of arbitration, *Thromde* is required to pay around Nu 1.45M to Gawai Nima Construction. The 3<sup>rd</sup> Management Meeting directed the concerned engineer to get the legal advice on whether to appeal to higher authority or not.

**Discussion**

The engineer reported that he has discussed with the Legal Officer but the Legal advised that there is no need for Legal interpretation. The engineer submitted that the payment of Nu 1.45M to M/s Gawai Nima construction has been solved but there is an audit memo of around Nu 2.00 M which needs to be solved. The audit memo was mainly issued for the wastage of fund for the construction of wall which was later demolished and the park construction which is not accessible for the public (unused). The member secretary submitted that the concerned engineer will have to be held liable for this as there is no proper documents/records being maintained. The members also discussed that the concerned engineer can look for documents and pictorial evidences of walls being constructed and also with regard to usability of the park, the area can be redeveloped and made accessible to the public.

**Decision**

The Management directed the concerned engineer to report to RAA with regard to the audit memo stating that the area will be re-developed and made accessible to the public and therefore the audit memo could be dropped.

**Action** – The Concerned Engineer

**Agenda 5.14- Payment for 4 portable toilets at the flu Clinic at Chorten Lam by the Clean Sweep Service -Nu 30,000 from next month**

The Chief ADM Officer reported that the portable toilets in the RBP flu clinic have been installed by *Thromde* in consultation with Clean Sweep Service and they have managed to cater for a year without any payment. Since they have to sustain their business, they have requested



*Thromde* to pay rental fees of Nu 30,000 per month from next month if the portable toilets have to be used continuously.

### Decision

The Management has decided to write to Ministry of Health (MoH) requesting to make the payment for the use of portable toilets at the RBP flu starting next month to Clean Sweep Service, a rental fee of Nu 30000 per month.

**Action** – Chief ADM Officer

### Agenda 5.14- Compensation for wall and mill house in Taba and Jungzhina

The UPD presented to the Management that there is plan for construction of road in Jungzhina area and some of the structures, the mill house in Plot No JN1-127 and wall in Plot No JN1-173 fall within the RoW of the road. The total compensation for Plot No JN1-127 for mill house comes to Nu 147,227.4/- and compensation for Plot No JN1-173 for wall comes to Nu 89730.82/-.

Another one in Taba also for construction of road, the boundary wall of Plot No TA1-287 falls within the RoW. The owner wants *Thromde* to construct wall for him in place of cash compensation.

The LSRD also presented the case of land compensation along the 4-lane project since the laying of sewer and drain fell within the private boundary in Hejo roundabout. A total of 280 square feet of land has been encroached by the 4-lane project into the private plot.

### Decision

The Management:

1. Approved the cash compensation for Jungzhina, a total of Nu Nu 147,227.4/- for mill house and Nu 89730.82/- for wall.
2. The Management decided to construct the wall by *Thromde* and directed the ID to include the construction of wall within the road project in FY in the case of Taba in lieu of cash compensation.
3. Approved the cash compensation of Nu 121,156 for the encroachment of private land by the construction of sewer and drains in Hejo roundabout due to current 4-lane project.



The Management also directed the LSRD to take note of the plot size as it shall have been reduced (by 280 sq.ft) in the *thram* after the payment of compensation.

**Action – UPD/UPD/LSRD**

**Agenda 5.17- Mitigation strategy for excessive excavation**

The DRD presented to the Management the need to have mitigation strategy for excessive excavation especially going by the topography of the Thromde area. He reported that almost 80% of the Thromde area is slope and excessive excavation leads to landslide in the area, destabilizing the area and risk to the structures nearby.

**Discussion**

The Chief of DRD submitted that although, the division, as per DCR is mandated to recommend the measures to avoid excessive cutting of slopes, there was no guidelines or strategies adopted to reduce the impacts due to excavation. The Chair instructed to fix the accountability to the client and the designer if any major issues arise from massive excavation. The Executive Secretary reported that the private designers must be held accountable of the building that he/she has designed.

**Decision**

The Management:

1. In principle, approved the proposal and directed the DRD to study how to implement and monitor including the fixing the client's designer accountable.
2. Approved survey rates could be based on the earlier approved plot survey rates.
3. Further, the Management directed DRD to inform the owners to include all the ancillary structures ( boundary walls, retaining walls ) together with the main building drawing.

**Action - DRD**

**Agenda 5.18 - Stilt parking in E4 zone**

The Chief of DRD raised the concern on stilt parking in the Environment (E4) precinct. He opined that the E4 zones, besides being in sloped areas have 25 decimals plot sizes with only 30 percent building coverage thus leaving huge area for vehicle parking and green areas. Stilt parking storey is given purely for parking purposes when spaces are inadequate around the



building/built area. However, currently people are still adding a stilt floor to the approved three floors in the drawings for E4 precincts.

**Decision:**

The meeting decided to follow this as per the vehicle parking regulations in the Development Control Regulations. If there are enough parking space for the number of cars allotted to the total units/flats in the building as per the DCR, then no stilt floors for parking shall be given/approved.

**Action:** DRD

**Agenda 5.19 Update on Thromde Workforce rules and regulations**

The Labour Officer presented to the Management some of the confusions with regard to workforce categorization. Some cases could not be categorized as per the workforce rules and regulations. There are some individuals who according to rules and regulations are supposed to be in level IV but are paid the salary of Level I and vice versa. There are around 40 such cases in the current pool of workforce.

**Decision**

The Management decided:

1. To upgrade all those in lower levels to higher level based on the eligibility as per the Service book and retain those already in the higher level since they have been recruited before 2017 when the labour recruitment has not be streamlined.
2. The Management also felt the need to give increment to all workforces and therefore directed the labour Officer to work on the increment and solve all category issues.
3. The final proposal to be presented to the next Management and Tshogde and the service book shall come into force with the effect from 1<sup>st</sup> January 2022.
4. The Management also decided to allow only the daily wage workforce in the low income housing and no other employees who are on contract or regular or Non-Thromde employees shall be allowed.

**Action** –Labour Officer

**Rapporteur** – Karma Dorji, Planning Officer



Annexures – Presentation Slides

# RIVERFRONT DEVELOPMENT PLAN

UPO, ED, D

## Study Area

- Wangchu river – Pangrizampa to Ludrong Park, CDCL bridge to Depsi Bridge
- Major tributaries – Samtenling chhu (Siilikachhu), Chubachhu, Olarongchhu, Nabirongchhu and Memorial chorten chhu

## Background

- As per the directive to Executive Secretary, Thimphu Thromde was instructed to develop a plan for the Wangchu riverfront.
- A taskforce group was formed comprising of Urban Planners, Architects, Engineer, Surveyors and Forestry Officers.
- This Plan is complemented by EBA project funded by UNEP as our first intervention for building a climate resilient urban system.

## Vision:

Vitalisation of Wangchu River and its major tributaries through inclusive development and environmental enhancement.

## Principles:

- Inclusive Design
- Adding value to the river through environmental enhancement, development, restoration and increased recreational use.
- Improvement of urban health and human wellbeing
- Promotion of Cultural Heritage



## Strategies

- Enhance connectivity through construction of walking trails, pedestrian bridges and cycling tracks.
- Creating human-scaled amenities accessible to the people of all societal groups.
- Protection of river and riparian zones through plantation of climate-resilient plant, trees and structural interventions.
- Preservation and revitalisation of heritage and historical sites to promote spiritual wellbeing.

## Activities

- Seamless permeable footpaths and cycling tracks (1.5 to 2.5m) throughout the study area.
- Provision of ramps wherever necessary.
- Resting areas and drinking water facilities in every 400m or wherever necessary.
- Development of parks and the associated utilities, thematic gardens, playgrounds and open gym based on availability of space.
- Provision of feasible viewing decks.
- Conservation of natural existing ecosystem for birds, insects, butterflies, etc
- Plantation of climate resilient plants and trees based on flood hazard mapping.
- Structural/hybrid protection measures based on location determined by the flood hazard mapping.

## Activities

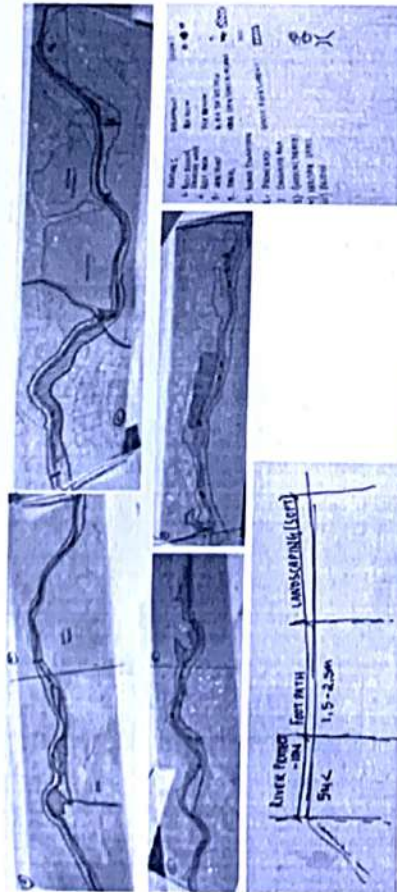
- Promenades in feasible areas.
- Connection to the identified islands through construction of pedestrian bridges
- Luminous pathways at certain intervals.
- Solar light or low voltage lightening systems for footpaths, parks, gardens and playgrounds.
- Modification of the storm water discharge point to reduce pollution discharge into the river.  
Eg. Trash traps, catch pits, screening nets, etc
- Development of recharge/filtration ponds at the discharge points.
- Enhancing areas around the heritage sites.

## Zones

- Wangchhu River is divided into 7 zones based on natural features such as tributaries & bridges.
- Major design components for every zone:
  - Resting areas and drinking water
  - Footpath and cycling tracks
  - Recreation areas – parks, gardens, open gyms and playgrounds.



## Conceptual Plan



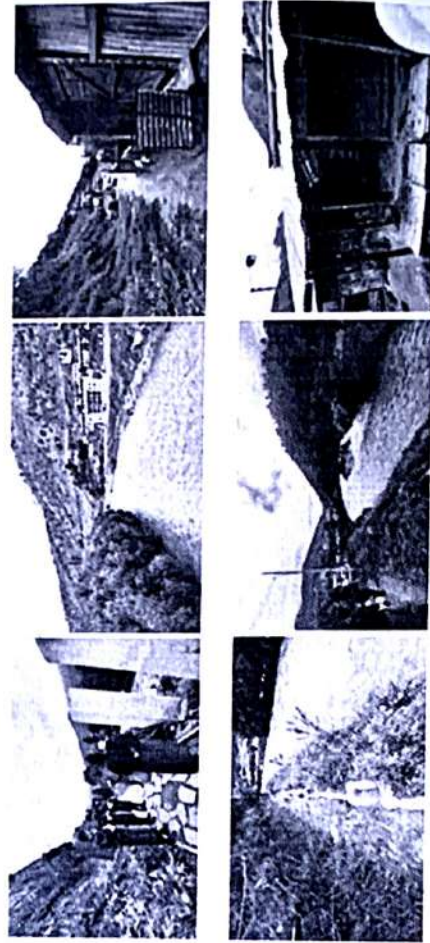
## Way Forward

- ❖ Drafting of Conceptual Plan
- ❖ Detailed drawing for the components such as resting areas and drinking water, footpath and cycling tracks and recreation areas - parks, gardens, open gyms and playgrounds
- ❖ Detailed Project Report
- ❖ Management Support
- ❖ Detailed time and space to complete the plan/Project

## Survey

- ❖ Area - 1032 acres (Pangzampato Deps.)
- ❖ Topography - Contour interval 1m
- ❖ AutoCAD with sheet file covering the following features:
  - ❖ Amenities - Electric poles, transformer, manholes, lamp post, canal, parking, garden, helipad, etc
  - ❖ Roads and Bridges
  - ❖ Vegetation
  - ❖ Recreational Park
  - ❖ River and streams
  - ❖ Religious monuments
  - ❖ Open spaces

## Site visit





# Building Climate Resilience of Urban Systems through Ecosystem-based Adaptation in the Asia-Pacific Region

## Status of the Project

### Background

- ▲ Budget: USD 6 million: (Co-financing: USD 88 million)
- ▲ Project executing organization: United Nations Environment Programme – Regional Office for Asia and the Pacific (UNEO-ROAP)
- ▲ Project duration: 4 years (2017-2021), extended till 2023
- ▲ Executing Entities: Thimphu Thromde (Bhutan), NCSD (Cambodia), DDMCC (Laos), MoNREC (Myanmar)
- ▲ Project priority: Climate Change Adaptation
- ▲ Cities for intervention: Thimphu (Bhutan), Kep (Cambodia), Phongsaly and Oudomxay (Laos), Mandalay (Myanmar)

### Background

#### ▲ Project Budget

	USD	%
Cost to GEF Trust Fund	6,000,000	6.37
Co-financing		
UN-Habitat	1,896,417	2.01
UN-UNEP PEI	2,500,000	2.65
Thimphu Thromde (Bhutan)	1,500,000	1.59
Provincial Hall of Kep (Cambodia)	1,000,000	1.06
Phongsaly & Oudomxay Provincial Governments (Laos)	2,274,000	2.41
Mandalay City Development Committee (Myanmar)	78,970,000	83.84
Sub-total	94,140,417	99.95
In kind - National Council for Sustainable Development (Cambodia)	50,000	0.05
Total	94,190,417	100.00

### Project Objectives

- (i) Mainstreaming urban EbA into medium- and long-term urban development planning
- (ii) Developing and implementing city-specific urban EbA interventions to reduce the vulnerability of local communities
- (iii) Acquiring knowledge and raising awareness of urban EbA throughout the region.



## Project Components

Components	Responsibility
Component-1: Technical and institutional capacity of city management authorities to integrate urban EbA into development planning strengthened	UNEP, UN-HABITAT, International Consultant
Component-2: Demonstrating urban EbA interventions in pilot cities.	National Governments (NEC, Thimphu Thromde)
Component-3: Disseminating knowledge and raising public awareness on urban EbA in pilot cities.	UNEP, UNV, PMU (NTE)

## Activities – Status of Output 2.1

- The National Environment Commission awarded consultancy services for climate modeling, socio-economic research, ecosystem assessment, development of vulnerability maps and identification of adaptation needs to M/s ChimmiD Consulting in July, 2021
- The kick-off meeting was held on 22<sup>nd</sup> July, 2021
- The inception meeting was held on 24 August, 2021
- ChimmiD Consulting has informed that they have completed the study and would like to present to the stakeholders. This meeting was initially scheduled for 18 October, 2021 but has been postponed

The outputs from this would validation of the interventions proposed during the project design phase.

## Activities – Component 2

Output 2.1: Vulnerability maps and adaptation reports developed for pilot cities.

### Activities:

- 2.1.1 Develop updated climate models to inform vulnerability mapping of selected cities
- 2.1.2 Undertake socio-economic research in selected cities, with a focus on vulnerable groups such as women, the elderly and youth.
- 2.1.3 Undertake ecosystem assessments in selected cities, with a focus on services provided by the urban ecosystems
- 2.1.4 Develop short- to medium-term vulnerability maps for selected cities using the updated climate models, socio-economic research and ecosystem assessments.
- 2.1.5 Develop a report on adaptation needs for each city and the potential for services from urban ecosystems to contribute to meeting these needs.

## Activities – Component 2

Output 2.2: 2 City-specific urban EbA interventions appropriate to the social, cultural and environmental contexts – including urban reforestation, urban agriculture and wetland restoration demonstrated in pilot cities.

### Activities:

- 2.2.1 Validate the EbA interventions and targeted communities selected during PPG phase using the vulnerability maps and reports developed in Output 2.1.
- 2.2.2 Develop technical guidelines on planning, implementing, monitoring and maintaining the validated EbA interventions
- 2.2.3 Train local communities and support government staff on applying the technical guidelines to implement the urban EbA interventions
- 2.2.4 Implement urban EbA interventions – including ecosystem restoration, climate-resilient agriculture and agroforestry technologies – using technical guidelines



## Activities – Status of Output 2.2

- The result of the consultancy will validate the interventions proposed during the project design phase riverbank protection, urban gardens, agro-forestry etc.
- Guidelines for implementation will have to be prepared.
- Trainings have to be provided for implementation of the validated interventions and additional ones based on the results of the study.

## Activities – Component 2

Output 2.3: Livelihood improvement plans based on urban ecosystems developed and implemented with poor urban communities.

### Activities:

- 2.3.1 Develop reports on livelihoods from urban ecosystems in targeted urban communities. These reports should describe i) barriers to developing and growing livelihoods from urban ecosystems; methods to overcome these barriers; and ii) value chain and market analyses of livelihoods from urban ecosystems.
- 2.3.2 Develop plans to improve livelihoods of vulnerable urban communities based on the reports on livelihoods. These plans should include a description of business and technical training needs, and equipment required to improve livelihoods.
- 2.3.2 Develop plans to improve livelihoods of vulnerable urban communities based on the reports on livelihoods. These plans should include a description of business and technical training needs, and equipment required to improve livelihoods.
- 2.3.3 Implement livelihood improvement plans by providing training and equipment. Importantly, this should include training to develop financial planning skills of urban communities for establishing and sustaining livelihoods from EbA interventions. This will include training on inter alia business roles, structures, value chains, marketing, record-keeping, accounting, cash flow analysis, and forward planning."

## Activities – Status of Output 2.3

- Based on the socio-economic assessment and ecosystem assessment, M/s Chhimid Consulting will bring out details of livelihood improvement plans

It is to inform that a lot of activities depend on the completion of the study being carried out by the Consultant.

## Activities – Component 2

Output 2.4: Output 2.4: Long-term research programmes established in local scientific institutions to assess the long-term societal, economic and ecological benefits of urban EbA in pilot cities.

### Activities:

- 2.4.1 Develop a programme with research institutions and/or universities in the four countries to assess the societal, economic and ecological benefits of urban EbA in pilot cities in the long term.
- 2.4.2 Select and fund studies through local institutions to develop hypotheses for long-term research and to collect baseline data at sites in which urban EbA will be implemented under Outcome 2. Students conducting this research should be selected from a variety of disciplines including inter alia urban planning, agriculture, fisheries and forestry.
- 2.4.3 Share hypotheses and findings from research that is funded during the project lifespan academic platforms.
- 2.4.4 Develop at least one Memorandum of Understanding (MoU) per country including all organisations involved in the research programme to conduct medium- and long-term research including details on the roles of stakeholders involved in the framework to: i) collect, process, analyse and manage long-term data; and ii) share the findings of this research with government and the general public.



## Activities – Status of output 2.4

- Budget allocation of USD 80,000 is available for this activity which is outside the budgeted amount of USD 997,996.
- NEC along with NEC are in contact with relevant research institutions within the country for research

## Activities – Defined during the project design phase

**Resettlement:** Low income housing project to improve livelihood, social status and health of the slum dwellers THROUGH interventions-promoting green areas with NTTP trees, energy efficient technologies for buildings, rain water harvesting technologies & urban agriculture in the form of vegetable gardens

**Urban Agriculture:** To promote food security of the urban poor by initiating urban agriculture and vegetable gardens-10 acres-of land & low income housing areas within the city, diversification of food sources and livelihoods THROUGH activities including promotion of climate resilient, multi-use plants and trees and climate resilient technologies in livestock development.

**River bank/Riparian zone management:** To reduce flood risks in the low lying areas along Thimphu River through activities including planting climate/flood resilient tree species along the river banks

## Activities – Status of activities defined during the project design phase

- The tender for planning, design, estimation, drawings and BoQ for Low Income Housing was floated by Thimphu Thromde based on the ToR prepared by the NTE. The tender has been evaluated by the Thromde Team and will be presented to the Thromde Tender Committee.
- Thromde Thuenis have identified residents interested in pursuing urban agriculture. Meetings with the interested residents will start from 1<sup>st</sup> November, 2021 based on the template designed for urban agriculture. Options also exist to include others such as floriculture, mushroom farming etc.
- For riparian protection, the EBA component is being addressed through the riverfront development study carried out by Thimphu Thromde.
- One pilot rainwater harvesting system to be implemented within this year 2021.
- With regard to livelihood improvement, baseline survey will soon be initiated based on

## Trainings

- One of the focus of the project is capacity building so as to enable Thromde officials integrate ecosystem based adaptation in their development plans.
- The in-person training was provided to 2 groups of Thromde officials from 16-18 and 23-25 August, 2021
- An online training on "Decision Making Tools" was carried out by UN-HABITAT
- A one day training is planned very soon for senior officials of Thimphu Thromde so that they are aware of the important components of the EBA integration tool

## Challenges

- More than 20 participants registered for the online training sessions. The response was good for the 1<sup>st</sup> session. Attendance dwindled to just the NTE, Shera Doelkar and Nidup Zangmo attending the rest of the sessions
- The "Decision Making Tools" is an important tool for decision makers. However, senior officials could not attend the training due to their responsibilities.



## Other Activities

- As the focal person for Eba in Thimphu Thromde, it has become necessary to work with other partners such as UNEP, UN-HABIT and other Eba organizations – along with the NTE. Some of these are listed below:
  - Attended the virtual Innovate4 Cities conference on 11<sup>th</sup> October, 2021 with a presentation on climate change vulnerabilities in Thimphu city
  - Attending the Resilience Hub meeting of COP26 with the presentation "Use of National Adaptation Planning Process for City Level Vulnerability Assessment on 6<sup>th</sup> November, 2021.
  - Constantly in touch with UNEP, Bangkok with updates of the Project's progress.
  - Attended the "3<sup>rd</sup> Asia Pacific Forestry Meeting" on October 25<sup>th</sup> with a presentation on Thromde's urban forestry.
  - Constantly in contact with Ms. Tara Whitty (monitoring consultant for the project). Baseline survey data pertaining to knowledge on climate change have been shared.
  - Baseline survey of the vulnerable population is planned from 1<sup>st</sup> November, 2021.
  - Attended the City Adapt Webinar of on sharing experiences with Eba projects in Central America on 11 August, 2021.

## Issues for Discussion

- While the activities have been agreed upon as reflected in the project document, there may be need to either improve or include additional activities based on changing requirements. The slope stabilization activity is one such case. Thromde is requested to propose activities based on ecosystem services. The proposals will be tabled during the 2<sup>nd</sup> Regional Steering Committee scheduled in December, 2021.
- Based on the Project Cooperation Agreement, NEC has already received the first tranche of USD 97,996 out of USD 997,996. The request for fund release from Thimphu Thromde is yet to materialize.

## Budget Allocation for Bhutan (3 years)

Budget Allocation		Amount (USD)
Project Personnel	National Technical Expert	5 <sup>th</sup> 600
	Consultant	24,000
	Administrative Support	24,000
	Travel	32,800
	Eba Intervention	505,000
Sub-Contract	Climate Resilient Livelihood	249,096
	Awareness Campaign	35,000
	Training to Thromde	26,000
Equipment	Meetings	10,000
	Printing	10,000
	Research Equipment	19,500
	Office equipment	5,000
	Total	997,996

Cumulative expenditure till date is USD 8094.60 (USD 3708.70 on personnel and USD 4385.90 on office equipment)

(As per the expenditure report sent to UNEP for the period ending June, 2021)

# Thank You



# Compensation to Mrs. Dorji Pem and Mr. Sonam Penjor in Jungshina



Plot No : JN1-127

Registered Area: 5889

Net Area: 5094

LP %: 13.5%

Estimated Amount : Nu.147,225.4/-

Plot No : JN1-173

Registered Area: 7789

Net Area: 6737

LP %: 13.5%

Estimated Amount : Nu.89730.82/-

Note: Both the Owners have agreed to LP and have been issued with the New Lagthrams.



## Reconstruction of Wall aligning with new Boundary for plot TA1-287



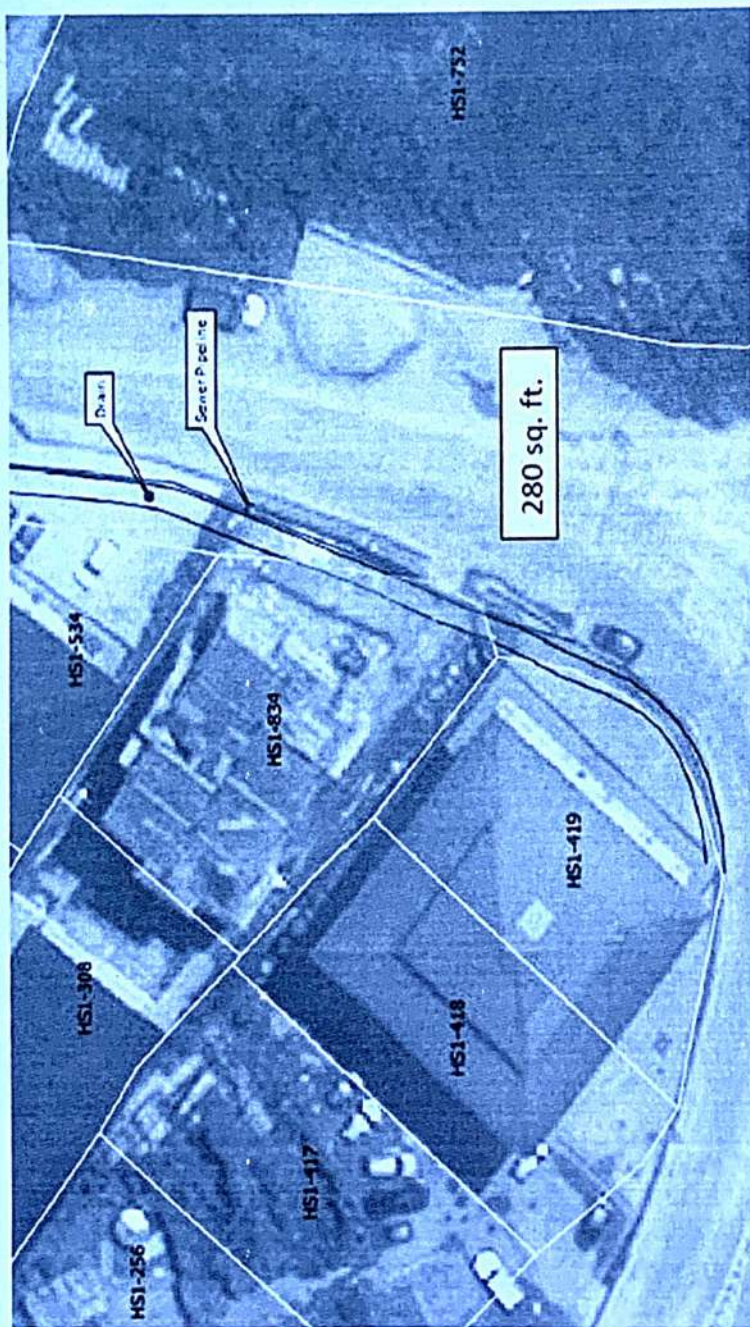
29/10/2021



**Private land affected by 4 lane at Heio roundabout**





Land details:

Land Owner: Ugyen Lhamo

Thram no: 2057

Plot No: HSI-834

Registered Area: 6752 sq. ft.

Land acquired by 4-lane: 280 sq. ft.

Cash Compensation: 280 sq. ft. x Nu. 432.7 = 121, 156/-

\*\*\*THE END\*\*\*