SPATIAL PLANNING IN BHUTAN USING THE LAND POOLING TOOL (5th Spatial Planning Platform Conference)

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INTRODUCTION

 TOTAL LAND:
 38,394KM2

 POPULATION:
 763,249

 URBAN POP.:
 ~50%







SPATIAL PLANNING FRAMEWORK



Order of precedence (planning sequence)
Order of priority (plan provisions)

Legal framework



COMPREHENSIVE NATIONAL DEVELOPMENT PLAN



National Spatial Structure

LAND MOBILIZATION MECHANISMS



LAND ACQUISITION

- Used to plan the first towns in 1990s
- Discontinued as it became unpopular due to equity issues and displacement of landowners

(KHURUTHANG TOWN, BAJO TOWN, DEKILING TOWN)



LAND POOLING

- Used as an alternative tool for lap preparation since early 2000
- Today almost all laps prepared using land pooling

(RANGJUNG LAP, LAPs IN THIMPHU, DEBSI LAP, SAMTSE LAP, TSIRANG LAPS, BUMTHANG LAP, ETC)



GUIDED LAND DEVELOPMENT

 Used as an alternative tool where landpooling is not feasible in built-up areas

(JUNGSHINA LAP, SHERUBLING LAP, JOMOTSHANGKHA LAP



LAND POOLING BACKGROUND

➢ First introduced in 1990s as an alternative tool to land acquisition

➢Uses simple area-based method for land pooling contribution (land value is not considered) differential land pooling contribution initiated to take equity into consideration

➤Used for planning almost all planned areas in the country

➢ Most preferred land mobilization tool as it is simple and does not displace the original landowners

REGULATORY FRAMEWORK

>National sustainable human settlement policy 2018 \blacktriangleright Land act 2007 Local government act 2009 Spatial planning bill \blacktriangleright Land pooling regulations 2009 readjustment pooling ≻Land and regulations 2018

Land pooling and readjustment guidelines 2019

LAND POOLING IN BHUTAN



LAND POOLING EXAMPLE

PANBANG LAP



Road and Pathways: 16.42% Parks and Open Spaces: 8.18% Services and Amenities: 2.20% Land Pooling Contribution: 26.8%

| Precinct | LP Rate | DCR |
|----------|---------|--|
| UC-1 | 29% | -3 Floors, 2 floor of commercial use, 50% plot coverage |
| UC-2 | 27% | -2 floors, 1floor of commercial use, 50% plot coverage |
| UV-1 | 26% | -2 floors, 0.5 floor of commercial us, 45% plot coverage |
| UV-2 | 25% | -2 floors, all residential use, 40% plot coverage |
| UV-3 | 23% | -2 floors, all residential use, 30% plot coverage |
| E-4 | 15% | -1 floor, agri-based, 20% plot coverage |

CHALLENGES

- ➤Lack of capacity especially at the local governents
- ➤Lack of funds to implement land pooling projects
- Legal provisions inhibits fund generation through sale of reserve plots
- Current land pooling practices doesn't fully consider the inequity issues created through landuse planning
- ➤Land pooling contribution ceiling of 30%
- ➢Public consultation and awareness

OPPORTUNITIES



➢ Explore the feasibility of self-financing mechanism and amend provisions in the land act 2007

- >Use value-based method to create more equity in our land pooling practice
- Collaborate with international partners to create local capacity
- ➢ Review the land pooling contribution ceiling in lprr 2018
- ➤Carry out research into bhutanese land pooling practice to improve it for the current time and age

THANK YOU FOR YOUR TIME

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