The Scaling-Up of the Opp's Low Cost Sanitation Programme Through CBO-NGO-Local Government Partnerships in Pakistan

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THE KARACHI CONTEXT

•	Population	13 million
•	Annual housing demand	80,000
•	Formal sector supply	27,800
•	Supply through katchi abadis	32,000
•	Number of katchi abadis	702
•	Katchi abadi population 1985	2.6 million
•	Katchi abadi population 2000	5 million plus

ORANGI CONTEXT

- After local government reforms Karachi is a district consisting of 18 towns which are further subdivided into union councils (UCs)
- Orangi Town is one of the 18 towns and it is subdivided into 13 UCs
- Each town and UC has an elected nazim (mayor) and naib (deputy) nazim
- The population of Orangi Town is about 1.2 million
- The town consists of 86 katchi abadis which account for over 70 per cent of its population
- It has 104,917 houses in 7,256 lanes

THE ORANGI PILOT PROJECT

- The Orangi Pilot Project (OPP) was established by Akhtar Hameed Khan in 1980
- The objective of the project was to:
 - Understand the problems of Orangi and their causes
 - Through action research develop solutions that people can manage finance and build
 - Provide people with technical guidance and managerial support to implement the solutions
 - In the process overcome constraints that governments face in upgrading katchi abadis
- Participatory research identified four major problems
 - Sanitation
 - Employment
 - Health
 - Education
- Programmes have been developed around these four issues
- In 1988 the OPP was upgraded into four autonomous institutions
 - 1. OPP-Research and Training Institute (OPP-RTI) (Sanitation, Housing, Education, Research, Training)
 - 2. The Orangi Charitable Trust (OCT) (Micro credit programme)
 - 3. Karachi Health and Social Development Association (KHASDA)
 - 4. Rural Development Trust (RDT)

THE OPP-RTI LOW COST SANITATION PROGRAMME

- The OPP-RTI divides sanitation into "internal" and "external" development
- Internal development consists of:
 - Sanitary latrine in the house
 - Underground sewer in the lane
 - Collector sewers
- External development consists of:
 - Trunk sewers
 - Treatment plants
- Results in Orangi and in 175 other locations in Pakistan have demonstrated that
 - communities can finance, manage and build internal development provided they are organised and are provided with technical support and managerial guidance
 - local governments can support the process by building external development provided they accept the concept and train their staff in OPP-RTI methodology and in working with communities

SANITATION STATISTICS

- In Orangi 93,995 houses have built their neighbourhood sanitation systems by investing Rs 86.28 million (US\$ 1.438 million)
- Local government for the same work would have invested Rs 604 million (US\$ 10.06 million)
- All sewage discharges into the natural drainage system
- Infant mortality in areas that built their sanitation systems in 1983 has fallen from 128 to 37 in 1993
- OPP-RTI investment versus people's investment is 1:18.2

SCALING-UP OF THE OPP-RTI SANITATION PROGRAMME

- The OPP-RTI sanitation programme has been scaled up by
 - local government building external sanitation in Orangi
 - government agencies and departments adopting the OPP-RTI concept and methodology with the OPP-RTI as consultant and trainer
 - OPP-RTI supported NGOs-CBOs leading to partnerships with local governments
 - Spin-offs

LOCAL GOVERNMENT INTERVENTIONS IN ORANGI

- ADB funded (PAK-739) KWSB sewage plan for Orangi 1990
 - OPP-RTI became consultant to the project
 - Original plan was modified to the OPP-RTI internal-external concept
 - Cost of the plan was reduced from Rs 1,300 million (US\$ 21.6 million) to Rs 36.2 million (US\$ 0.60 million)
 - Project built 120,983 running feet of main sewers identified by OPP-RTI
 - People with OPP technical and managerial support built sewers in 1,093 lanes having 21,866 houses and supervised external development
- As a result of the project excellent relations were built with local government engineers and administrators because of which
 - the OPP-RTI has been able to successfully lobby for converting the natural drains into box trunks
 - the process is ongoing
 - so far two drains serving 1,125 lanes (22,532 houses) have been built
 - another three are in the pipeline

SCALING-UP THROUGH THE SINDH KATCHI ABADI AUTHORITY (SKAA)

- SKAA accepts the OPP-RTI model in 1992
- It decided that SKAA will only develop external water and sewage systems and the internals will be developed by the communities
- OPP-RTI becomes SKAA consultant for design, supervision and training of SKAA staff
- Lease made a one-window on-site operation
- Decisions were taken that
 - finances recovered from a settlement would be used in that settlement
 - communities would decide on how to use them
 - OPP-RTI would help organise communities for internal development
- As a result SKAA became financially solvent
 - lease money recovered Rs 235.2 million (US\$ 3.92 million)
 - spent on development Rs 50.995 million (US\$ 0.85 million)
- Previously SKAA functioned entirely on IFI provided loans
- Following the example of SKAA the Punjab Katchi Abadi Directorate (PKAD) adopted the OPP-RTI model in 2002 with the OPP-RTI and SKAA as its consultants and trainers
- The UNDP PLUS initiative in 2001 in three Punjab cities also adopted the OPP-RTI model with the OPP-RTI as consultant and trainer for its staff, community leaders and activists and local government representatives and technical persons
- CBOs developed through the PLUS initiative are now OPP-RTI partners and the laid off PLUS staff has now become an NGO supporting PKAD on the model of OPP-RTI support to SKAA

SCALING-UP THROUGH NGOS AND CBOS

- The OPP-RTI strategy for supporting NGOs and CBOs wishing to replicate its programme evolved overtime and after many failures
- The strategy consists of:
 - CBO/NGO or community activists contact the OPP-RTI for support
 - OPP-RTI invites them for orientation to the OPP-RTI office in Karachi or directs them to one of its partners
 - After orientation CBO/activists convince their community to adopt the programme
 - They create a team of a social organiser and a technical person who are trained at the OPP-RTI and/or on-site in their settlements through visits by the OPP-RTI staff
 - The training is in surveying, mapping, estimating, construction supervision, documentation, accounts
 - Training does not have a specific period. It continues throughout the life of the project
 - OPP-RTI arranges financial support for the team and related expenses through WaterAid. Initially, it is about Rs 200,000 (US\$ 3,500) per year
- Invariably the CBO-NGO comes into contact with local government departments as its work expands
- When that happens local government representatives are invited to the OPP-RTI for orientation
- If they are convinced they send their staff for training
- Neighbourhood settlements contact the CBO-NGO for replicating the programme
- 31,570 houses outside of Orangi in 11 Pakistan towns have built their internal sanitation

SCALING-UP THROUGH ANJUMAN SAMAJI BEHBOOD (ASB) FAISALABAD

- ASB and OPP-RTI have worked together since 1995
- ASB has supported the building of self-financed sanitation in 347 lanes having 4,635 houses
- It has built nine secondary sewers of 93,957 running feet to connect to the city trunks
- The secondary sewers have been built by a revolving fund of Rs 700,000 (US\$ 11,666) provided by WaterAid
- Each lane when it connects pays the NGO its share of the secondary sewer
- The secondary sewers have been built with technical support and permission of the local government
- The ASB has motivated the nazims of two towns near Faisalabad to accept the OPP-RTI internal-external concept
- As a result the ASB with OPP-RTI support has become their consultant and trainer
- Master plan with GIS technology has been developed in the case of Jaranwala (population 103,000) and work on both external (by government) and internal (by communities) has begun
- Planning for the town of Chiniot is in progress

SCALING-UP THROUGH LODHRAN PILOT PROJECT (LPP) LODHRAN

- LPP from the very beginning was a government-NGO partnership with the OPP-RTI as consultant and trainer
- Local government accepted the concept and prepared an internalexternal development plan with OPP-RTI guidance
- Local government provided a space for the LPP office and the local government engineer worked from the LPP office
- External development consisting of 14 rectification/extension projects have been carried out by local government through its own funds
- Internal development in 605 out of 1,060 lanes in Lodhran is complete
- LPP has extended its programme to four villages where work is complete and to Khanpur city where it is in progress
- Government has decided to upgrade LPP into a training institute on the pattern of OPP-RTI for development work in southern Punjab
- The NGO (Conservation and Rehabilitation Centre) replicating the OPP-RTI programme in Uch (population 35,000) has been officially appointed as consultant to the local government for all development projects

YOUTH TRAINING PROGRAMME (YTP)

- The programme was initiated to support the housing programme of the OPP-RTI in Orangi
- It expanded to document katchi abadis for the OPP-RTI support to SKAA
- It consists of training young persons from communities in surveying, documentation, designing, estimation, on-site supervision and community mobilisation
- Training for the most part consists of learning by doing
- Training lasts from eight months to two years
- So far 42 persons have been trained and 16 are under training
- As a result of the programme
 - 222 katchi abadis have been surveyed and mapped along with their physical and social infrastructure
 - 41 of 63 natural drains carrying 80 per cent of Karachi's sewage have been documented along with their catchment areas
 - The five major drains will be surveyed in the final phase
- The YTP has had a number of spin-offs

SPIN-OFFS OF THE YTP

- The alternative sewage plan for Karachi
 - OPP-RTI's documentation shows that 80 per cent of Karachi's sewage is planned to flow through natural drains into the sea
 - The OPP-RTI has proposed the conversion of these drains into box trunks with treatment plants at their end
 - This is different from the local government plan of taking the sewage to already built treatment plants which given the ground conditions is simply not possible
 - The OPP-RTI proposal is a fraction of the cost of the local government plan
 - The two alternatives are being debated
- Cancellation of ADB loan for the Korangi Waste Water Management Project (KWWMP)
 - The KWWMP was a US\$ 100 million project
 - With the application of the OPP-RTI's internal-external concept and its alternative sewage disposal plan, costs were reduced to US\$ 20 million
 - As a result the Governor of Sindh cancelled the loan

SPIN-OFFS OF THE YTP

- Formation of the Technical Training Research Centre (TTRC)
 - The TTRC has been formed by two young graduates of the YTP
 - Its offices are in UC-6 Orangi
 - It provides training to young persons in Orangi on what it has learnt at the OPP-RTI
 - It is also supporting the OPP-RTI in its housing programme
 - It is providing technical support for mapping, planning and estimation to the Nazim and councillors of UC-6 for external development and to communities for internal development
 - The OPP-RTI has arranged for an endowment from Homeless International for TTRC so as to make it selfsufficient
 - Two more TTRCs are in the making
- UC plan books
 - The OPP-RTI has mapped the neighbourhoods of every UC in Orangi along with their social and physical infrastructure
 - These are the only maps of these settlements and they change the perceptions of the nazims and their staff regarding the UC
 - They are being used for planning purposes by the UCs with advice from the OPP-RTI
- Nazims from other towns and UCs of Karachi are flooding the OPP-RTI for requests for similar handbooks and are willing to follow the OPP-RTI internal-external concept

NEW DEVELOPMENTS

- The formation of the Community Development Network (CDN)
- The creation of the NGO-CBO Network in Karachi
- Lectures on development for CBOs
- Citizen's Group on Water and Sanitation
- Creation of Neighbourhood Governance Groups in Orangi
- Conversion of natural drains into box trunks by town and UC nazims in Karachi in contravention of government proposals
- Proposal for the setting up of a mapping unit and training for it:
 - Maps do not exist
 - Local governments and communities lack surveying and mapping skills
 - Maps make appropriate planning possible and change perceptions
- The proposed ADB funded Sindh Rural Development Programme for 200 villages and the Punjab Urban Basic Services Programme for 20 small Punjab cities has accepted the OPP-RTI internal-external concept. The OPP-RTI and its partners have been contacted for providing consultancy, training and monitoring

NEW DIRECTIONS AND THEIR REQUIREMENTS

- OPP-RTI no longer works with communities only
- It is involved in advocacy work for promoting its model and alternatives
- It helps create government-community partnerships
- It has a close link with numerous CBOs and NGOs who work on development issues and their number is increasingly rapidly
- From sanitation NGOs/CBOs move on to do other things and ask for OPP-RTI support for them
- Its staff is involved in teaching at academic institutions and government training academies
- Its sanitation programme is becoming a movement in Pakistan
- For dealing with these issues it needs a proper communication network and new staff members with a new set of skills