



## GROUP II

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Comoros

Pakistan

Nepal

Congo

Mongolia



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# Problems and remedies for promoting internet services



# Factors preventing the internet services in rural areas

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- Less Telecom Infrastructure
  - *Urgency(5), Significance (4), Difficulty (2), Cost (3)*
- Power supply Problems
  - *Urgency(5), Significance (5), Difficulty (5), Cost (5)*
- Geographic conditions
  - *Urgency(2), Significance (4), Difficulty (4), Cost (4)*
- Budget constraints
  - *Urgency(2), Significance (3), Difficulty (3)*
- Tariff problems (Low revenue for the Ops)
  - *Urgency(2), Significance (3), Difficulty (2)*
- Access lines (For Dialup services)
  - *Urgency(2), Significance (3), Difficulty (3)*

# Problem Resolution

## Wimax – O/Fiber

- ✓ *Expensive*
- ✓ *Data Collection*
- ✓ *Good Bandwidth*
- ✓ *Difficult deployment*

## Wimax – Microwave

- ✓ *Expensive*
- ✓ *Data Collection*
- ✓ *Line of Sight problems*
- ✓ *Terminal Equipment*
- ✓ *Bandwidth*

## WLL – CDMA 450 MHz

- ✓ *Expensive*
- ✓ *Data Collection*
- ✓ *Bandwidth*
- ✓ *Difficult deployment*

How to develop Internet services in remote Village A of Country Pakistan.

selected

## WLAN- Sat + Point to Multi point

- ✓ *Quick Deployment*
- ✓ *Standardization*
- ✓ *Telecenters*
- ✓ *Education*
- ✓ *Subsidization of Equipment*

## ADSL – Microwave

- ✓ *Expensive*
- ✓ *Least Priority*
- ✓ *Difficult deployment*

## GPRS – Microwave

- ✓ *Expensive*
- ✓ *Low Bandwidth*



# Idea/Plan

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- ✓ Collaboration among the Asian and African countries
- ✓ Steps to having harmonized standards
- ✓ Help establish the nationwide telecom infrastructure
- ✓ Local Manufacturing
- ✓ Establishment of Telecenters