

2. Criteria for selection of 100 candidate villages

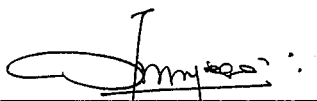
Technical Note
on
Selection Criteria of 100 Candidate Villages for Detailed Survey
in
the 2 Regions of Lindi and Mtwara

(LINDI REGION)

The criteria for selection of 100 candidate villages for the detailed survey, that is the candidate villages for Project Implementation in the 2 regions of Lindi and Mtwara, were discussed between the JICA Study Team and the Regional Water Engineers after conducting the sampling survey in two months of February and March 2000.

The selection criteria agreed upon between the two parties are stipulated in the following pages.

April 5, 2000 Lindi



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Selection Criteria of 100 Villages in the 2 Regions

General

1) Number of the villages to be selected in the two regions shall not necessarily be equal, and number of the villages in each of the district shall not also necessarily be equal. In determination of the number of the villages, following matters shall be taken into consideration:

-Number of the villages to be selected in each of the district shall be nearly in proportion to the total number of the villages in the concerned district, or the total population of the selected villages shall be nearly in proportion to the total population of the concerned district.

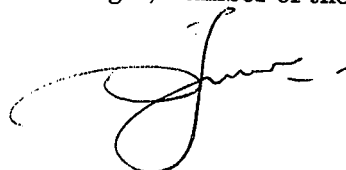
-Total number of the villages in each of the two regions shall be nearly in proportion to the total number of the villages of the regions, or the total population of the selected villages shall be nearly in proportion to the total population of the Regions.

-Above said villages are the villages of urgent requirement of the project, either of the ones without public water supply facility or with not functioning existing facilities.

2) Since the sampling survey has brought absolute shortage of the sources for water supply in both of the 2 regions, the water resources development shall be the most concern in the detailed survey in the coming study stage, even in the villages where rehabilitation is required for the existing supply facilities. Therefore, high priority shall be put on the potential of water sources development. The sources development for the rural water supply shall preferably be groundwater or spring in consideration of safe and stable sources through the year, and no necessity of treatment.

(Dam construction for use of surface water or construction of rainwater collection system shall be lower prioritized.)

3) Special attention will be paid for rehabilitation of large scale water scheme, especially in Mtwara Region, where it has been found that water does not reach to every villages under the scheme due mainly to too long pipe line and shortage of the source. The transmission pipes will be disconnected at near the end portion of the scheme, and the new source seems better be constructed at the disconnected portion. If the new source covers 3 villages, number of the selected villages will be counted as three.



Special Criteria

The villages will be categorized into following criterion items of A-C, and younger number of each criterion will be prioritized

A. Existing condition of water supply

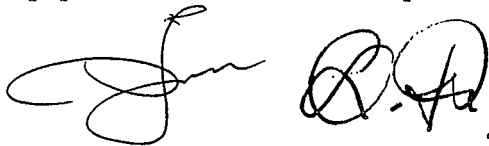
- 1) The villages without any public supply facilities or with abandoned facility
- 2) The villages with poorly functioning facility or shortage in supply
- 3) The villages where supply facility exists, but it is unsatisfactory operated

B. Water resources development availability

- 1) Borehole seems surely hit groundwater within a depth of 100m, or a good spring source exists within 3km distance and higher elevation than the village
- 2) Water table seems deep causing high cost for pump operation, or spring source is located much lower elevation than the level of the village
- 3) Water sources development seems very difficult

C. Population scale

In consideration of burden for operation and maintenance cost by individual household, the population scale should be one of the important factors in choice of the facility type. If the population of the village is smaller than 1000 (Number of household smaller than 150), piped water scheme may be difficult to be maintained. But, the population scale is not so important criterion for selection of the villages.



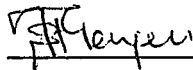
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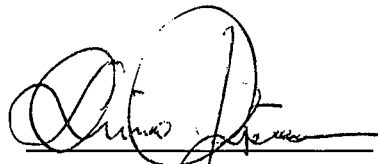
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April 6, 2000 Mtwara



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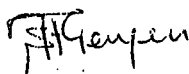
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