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To,  
The Chief Engineer,  
Zone-I/ II/ III/ IV/ V/VI,  
Vadodara/ Ahmedabad/ Rajkot/  
Kachchh/ Junagadh/Surat

Sub: Instructions for hamlet connectivity works

With reference to above subject, some drawings were studies of hamlet connectivity.

Following instructions for hamlet connectivity works are given for prepration drawing and estimates.

- I. Work of compound wall and approach road shall not be considered.
- II. For in village schemes- Faliya connectivity
  - a. If in-village contour is flat, Faliyas in range of 0-10 mt, then a centrally located ESR of approximate height may be kept ( Storage  $1/4^{\text{th}}$  to  $2/5^{\text{th}}$  of total village requirement) and from there direct supply to Faliya may be provided with appropriate zoning.
  - b. If Faliya size are up to 500 population, and elevation difference is less than 6-8 mt then direct zoning base service from central ESR may be provide.
  - c. If population in Faliya ia above 1500, dedicated ESR of 12 mt height to be provided in that Faliya.
  - d. For population 500-1500, depending on elevation difference and distance, a view of storage may be taken. If elevation difference between main village ESR/ Storage and Faliya is more than 8 mt, then local storage of appropriate height (  $2/5/8$  mt) in faliya may be provided.
- III. Where ground levels of service area are high, direct pumping may be proposed.

- IV. Grouping of Faliyas , zoning, supply from common , centrally located ESR to be planned as much as possible.
- V. Existing storage build for Mini Pipe schemes if they make sense in overall planning, operation and maintenance point of view then may be used. How ever otherwise if they don't fir in overall in-village planning, then such storage of Mini pipe scheme should not be compulsorily used.
- VI. Out let of ESR should have manifold system with number of valves as per the links required to be served.
- VII. In many drawings ESR are proposed within the range of 250 to 300 mt, this shall be avoided, in normal circumstance no ESR or Sump within 1 kms should be proposed.
- VIII. Diameter of the pipelines should be worked out economically and optimized.
- IX. Ductile Iron pipeline shall not be used for In-village pipeline even though it is pumping main, it can be used in exceptional circumstance when village is of large population adjoining urban area/ National Highway. It could be used for lifting water from sump to ESR at central location
- X. Where zoning is planned from centrally located ESR, outflow valves shall be of Pnumetic type for automatic operation on the basis of level of water in the tank, this shall reduce human intervention in operation.

These instructions shall be conveyed to field office, also while reviewing of drawing and estimates the above points shall be taken into consideration.

  
Chief Engineer

Copy respectfully submitted to:  
The Chairman GWSSB for information please  
The Member Secretary for information please