

**Subject name :Sanitary Engineeing**

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- **ACIDITY INCREASES DUE TO**

- OVERDOSING OF RAW SLUDGE .
- OVERWITHDRAWAL OF DIGESTED SLUDGE.

- **REMEDY**

- ADD HYDRATED LIME ( $2.3- 4.5 \text{ KG}/1000 \text{ PERSON}$ ) IN RAW SLUDGE.

- **FOR THE MAINTENANCE OF OPTIMUM VALUE OF PH**

- WEIGHT OF RAW SLUDGE TO BE ADDED SHOULD BE 2 - 3%

WEIGHT OF DIGESTED SLUDGE WHICH IS REMOVING FROM  
THE SLUDGE DIGESTER.

# SEEDING WITH THE SLUDGE DIGESTER

## WHAT IS SEEDING ?

- \*A SLUDGE DIGESTION TANK .
- \*WHEN FIRST PUT IN OPERATION –
- \*DIGESTED SLUDGE FROM OLD SLUDGE DIGESTER IS KEPT IN IT FOR SOME DAYS .

- WITHOUT SEEDING , IT MAY TAKE A FEW MONTHS TO GET A TANK TO OPERATE PROPERLY.
- PROPER SEEDING CAN GIVE GOOD RESULTS QUICKLY.

# MIXING AND STIRRING OF THE RAW SLUDGE WITH THE DIGESTED SLUDGE

- RAW SLUDGE + DIGESTED SLUDGE

(MIX WELL)

HOMOGENEOUS MIXTURE

\*HELPS IN DECOMPOSITION OF ORGANIC MATTER QUICKLY.

\*MIXING IS DONE IN SLUDGE DIGESTOR USING AGITATOR / OTHER DEVICES.

*THANK YOU..*