



With you at every step



Keep up with COVID-19 by taking the right measures for your Sewage Treatment Equipment

Bringing you knowledgeable insights and information that will keep your Sewage Treatment Equipment up and running during and post lockdown period. Kindly refer to the Standard Operation Procedures (SOP) for the equipment that is applicable to you.

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SOP for Maintenance of Biological Culture During Shut Down- Fab/BioCask

1	Air Blower will continue to remain on to ensure aeration to the Biocasks / FAB. Air Flow can be reduced to ensure only sufficient mixing of the Biocask or FAB X media or to Maintain DO of 1.5 -2.0 mg/l
2	If sewage or effluent is available, continue feeding the Biocask or FAB at a flow rate proportional to the quantity of the incoming sewage / effluent available, such that continuous and uniform feeding is done for 24 hrs continuously.
3	FOOD AND NUTRIENT ADDITION
a	Dissolve required quantity of Jaggery and Urea in a 20 OR 50 L container. Add required quantity of DAP and mix well till a homogenous mixture is formed. The quantities mentioned are for every 24 hrs.
b	Add the Contents of the Container in each Biocask OR FAB tank within 24 hrs at regular intervals of once in 4 hrs.
4	Check the pH of Mixed Liquor in each Biocask / FAB X Tank , if pH drops below 6.5 add NaOH or Sodium bicarbonate to increase the pH to 7.0- 7.5
5	CALCULATION OF REQUIRED QUANTITY OF JAGGERY, UREA AND DAP
a	Calculate Design COD Loading in Kg/d as per formula: (Design COD in mg/l X Design Capacity in KLD)/1000
b	Consider 40% of the design COD loading. This is approximately equal to Jaggery requirement in Kg/d.
c	Consider Nutrient Addition in the following ratio. Jaggery: Urea: DAP= 100 : 3.5 : 1.7.
NOTE	<i>Some loss of biomass is expected as it has to get acclimatized to the change in nature of food source both during the shutdown period as well as during restarting the plant with effluent. Hence some recommissioning time or re-stabilization period (10-15 days) maybe expected.</i>
NOTE	<i>Shut down preservation/ maintenance procedures must be strictly followed to prevent irreversible changes during long term shut down. TL will not be responsible for any loss of productivity or performance caused by the non-implementation of the proper shutdown preservation/maintenance procedures and guidelines.</i>

