



FILTRATE:

What are the desired qualities of the filtrate or effluent after SLS:

Suspended solids concentration (TSS) _____ ppm/% by weight / Turbidity in NTU

Other, explain: _____

SOLIDS:

What are the desired qualities of the solids, concentrate, or cake:

Dryness: _____ % by weight, Specific gravity: _____

pH: _____ Color: _____

DESIGN DETAILS:

Acceptable materials of construction for:

Non Wetted parts

Wetted Parts

Metallic: _____

Metallic: _____

Non Metallic: _____

Non Metallic: _____

Operating Vacuum: _____ mm of Mercury

Design Pressure: _____ Kg/cm²

Design Temperature: _____ °C

Electrical Requirements:

Waterproof as per _____

Explosion proof as per _____

Others viz: _____

Auxiliary equipment required:

Precoat System valving

Admix System Piping,

All interconnecting,

Spool pieces only

Automation

Skids,

Filter,

Precoat System,

Admix System

RESULT OF FILTRATION TEST CONDUCTED:

enclose details _____

PAST EXPERIENCE:

Type of Filter: _____

Manufacturer: _____

Model: _____

Filtration Area (Sq. Ft.) _____

Number of Filters _____

Unit flow rate (LPM/filter) _____

Cycle length (hr): _____

Maximum differential pressure reached (Kg/cm²): _____

Cake thickness (in.) _____

Filter Media Fabric Filter Aid (type, grade, amount): _____

SALIENT FEATURES:

OTOKLIN has extensive Lab Testing Agencies. If requested, can a sample for lab analysis be provided: Yes, No.



QUESTIONNAIRE FOR SELECTION OF A CAKE FILTRATION PRODUCT

Note: Complete information on following will help us give recommendation. However if it is not possible to furnish information on all the points, please furnish maximum possible information.

Company : _____

Address : _____

Contact Person : _____ Designation _____

OBJECTIVE:

Objective of Filtration: _____

What is the product ? Solids, Filtrate, Both, Neither, Other, Please explain: _____

Present method of filtration (if any): _____

FEED CHARACTERISTICS:

Name of the Process Stream: _____

Composition of Liquid Fraction: _____

Specify Gravity: _____, pH: _____, Viscosity (cps): _____, Temperature (°F) _____

Composition of Solids	Name/Type	Concentration
1.	_____	_____
2.	_____	_____
3.	_____	_____

Total Suspended Solids : _____

Size/Range of Particles: Smallest: _____ Micron, Largest: _____ Micron, Average: _____ Micron

Solids Nature: Crystalline, Slimy, Granular, Compressible.

PROCESS:

Filtration to be: Continuous at _____ M³ per hour / kg per hr.

Required cycle length: _____ hours

Batch with _____ Kgs./Litres in _____ hours

Other (Explain): _____

What is the feed source: _____

Where does the filtrate or effluent go: _____

How are the solids, cake, or concentrate handled: _____

Will flow be interrupted during a filter cycle at any time: Yes, No, Sometimes, How frequently _____

Is chemical conditioning required before SLS: Yes, No, Don't know, if Yes, please explain: _____

Is filter aid required Yes, No, Don't know. If Yes, please list type and grade: _____

Can filter aid be used: Yes, No. If Yes, please list type and grade preferred: _____

After filtration, are the solids or cake washed: Yes, No. If Yes, what is the purpose of washing _____

What is the wash liquor: _____

How will wash efficiency be measured: _____

Are there any limitations on the amount of wash liquor used: _____

What happens to the spent wash liquor: _____

Are the Solids, or cake to be dried Yes, No.