

Questionnaire Continuous Operated columns

(This Questionnaire to be filled up for Revamp of existing Continuously operated columns or for Design of new continuous operated column)

PROJECT: _____ **Dt:** _____

A PROCESS DESIGN PERFORMANCE

(one set of data per column to be filled)

Feed	Parameter		For Design	Range if any	Remarks
	Temperature (° C)				
	Pressure (kg/cm ² abs)				
	Flow rate (kg/hr)				
	Component	Composition (% wt)			
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				

Top product	Parameter		For Design	Range if any	Remarks
	Temperature (° C)				
	Pressure (kg/cm ² abs)				
	Flow rate (kg/hr)				
	Component	Composition (% wt)			
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				

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Bottom product	Parameter		For Design	Range if any	Remarks
	Temperature (° C)				
	Pressure (kg/cm ² abs)				
	Flow rate (kg/hr)				
	Component	Composition (% wt)			
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				

Side draw if any	Parameter		For Design	Range if any	Remarks
	Temperature (° C)				
	Pressure (kg/cm ² abs)				
	Flow rate (kg/hr)				
	Component	Composition (% wt)	Offer value	Actual value	
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				

The below section is to be filled up only for Revamp of columns which are existing

Heat load condenser (M Kcal/hr)	Original Design	Presently operating
Heat load reboiler (M Kcal/hr)	Original Design	Presently operating

Please clearly state below Limitations in existing heat exchangers if any :

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Special issues to be taken for Design

(Please highlight special constraints etc. faced if any like :

- 1) Is material corrossive / non corrosive ?
- 2) Suitable material of construction for your service?
- 3) Is the material to be processed contains dissolved or un dissolved solids ?
- 4) If dissolved solids ,are they going to precipitate out inside the column ?
- 5) If the column is existing ,please give completed mechncial details as follows ?

In case at present Trays		In case at present packings			
Column ID in mm		Column ID in mm			
No. of trays		Total No. of packed beds			
No of trays above Feed		No. of packed beds above Feed			
No. of trays below Feed		No. of packed beds below feed			
Tray spacing in mm		Details of Packed beds		Type of Packing	Size of Packing
downcommer width in mm		Bed no.	Packed ht		mm
downcommer clearance in mm		Top 1			
downcommer clearance in mm		middle 2			
downcommer clearance in mm		middle 3			
		bottom			

- 6) Please add any other issue in case is existing in separation?

(For Client)

(Client Signatures are optional)

Dt:



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