

TECHNICAL SPECIFICATIONS/REQUIREMENTS FOR SS JACKETED VESSEL, STANDARD BIDDING DOCUMENT, MSPCL

Specific Instructions for filling in the “Specifications Offered” column

- 1) All potential supplier or tender participants are required to fill in the “Specifications Offered” column with any of the following:
 - a) Fill in or list the specifications matching the requirements; or
 - b) Put a tick mark if you agree with the stated requirements/specifications or cross mark if it is different; or
 - c) Write ‘Yes’ in agreement to our requirements/specifications and ‘No’ in disagreement.
- 2) Failure to provide rates or if any “Specifications Offered” columns are left blank, the bid will be considered as incomplete tender and result in the disqualification of the tender.
- 3) The tender must accompany or submit a brochure that describes the technical specifications and working principles of the intended equipment for the supply.
- 4) The rates offered should be inclusive of supply, installation and commissioning of the equipments.

Item Number	Items	Quantity	Rates offered in Nu.	Notes/Remarks
1	<p>STAINLESS STEEL STEAM JACKETED VESSEL</p> <p><u>Description</u> Steam Jacketed Vessel is intended to be used for concentrating filtrate oil/water extracts formulation prepared from herbal ingredients. It has a vessel in which the product to be concentrated is stored and heated with a steam supplied from the electrode boiler. All design and construction must be of Stainless Steel. It must conform to cGMP requirements including but not limited to the following:</p>	1 set		

Requirement Number	Specifications/Requirements	Specifications Offered (List/Tick/Yes/No)	Evaluation Committee’s notes	Notes/Remarks
GENERAL ESSENTIAL REQUIREMENTS				
URS 1	Stainless Steel Steam Jacketed Vessel should be GMP model totally enclosed with SS 316 cladding and framework for ease of cleaning.			
URS 2	Should produce GMP or other mark of Quality certification such as ISO, CE, etc. of the principal			

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	manufacturer and products including a list of firm's client.			
URS 3	Should be designed for herbal material hot extraction for herbal medicine production.			
URS 4	Should be ideal for both batch and continuous processing of a wide variety of materials.			
URS 5	Should be designed and constructed to ensure easy and quick clean-up, quick product change-over and should prevent contamination.			
URS 6	Should avoid spillage of products and water/oil.			
URS 7	Should be compact and efficient for both heat sensitive and non heat sensitive products.			
URS 8	All product contact parts including outlet pipes, valves should be made of SS or better quality material.			
URS 9	Should provide user friendly, draw-off faucet steam trap valve, steam inlet valve, safety release valve and braided stainless steel flexible pipe for steam connection.			
URS 10	Must be able to withstand more than 10 kg/cm.sq. steam pressure.			
URS 11	Warranty: minimum of 1 year warranty.			
URS 12	The equipment design should be qualified by the User as a part of DQ before fabrication.			
TECHNICAL SPECIFICATIONS/REQUIREMENTS				
TS 01	Model: SS Jacketed Vessel GMP model as per attached drawing or equivalent.			
TS 02	Capacity: 130 Liters			

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Requirement Number	Specifications/Requirements	Specifications Offered (List/Tick/Yes/No)	Evaluation Committee's notes	Notes/Remarks
TS 03	Designed for uniform boiling of liquid/water extracts.			
TS 04	Working temperature range: > 30 - 150 degree Celsius			
TS 05	Working steam pressure: > 10 kg/cm.sq.			
TS 06	Machine dimension: As per attached drawing or equivalent.			