



KERALA AGRICULTURAL UNIVERSITY
AROMATIC AND MEDICINAL PLANTS RESEARCH STATION



Odakkali, Asamannoor P.O., Ernakulam District, Kerala, India, PIN-683 549

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QUOTATION NOTICE

No. A/1752/21

dated: 02.08.2022

Sealed quotations are invited for *revamping the lemongrass distillation units* in the farm (2 Numbers).

Description of work

Two distillation units for extraction of essential oil from the harvested lemongrass leaves are installed in the farm. Each unit comprises 2 Nos of 500 kg capacity - 304 grade SS chambers, a common boiler and condenser and common rotatable lid. The outer cast iron protection around fire pit has now rusted in the upper most one feet circumference and requires an additional cast iron ring protection to prevent flame reaching outside the fire chamber. The steam chamber requires minor repairs and structure modification to prevent steam leakage from distillation chamber. Its locks must be revamped and refixed to prevent steam escape along the lid rims. The semicircle SS 304 grade grill plates at bottom of inner chamber requires total replacement with new SS 304 grill plates in both chambers.

Sl. No	Essential Oil Distillation unit WORK DESCRIPTION	Quantity
1	Open vessel bottom SS grill support: SS 304 grade 6mm rod; 20x5mm thickness flat (for both distillation unit)	For 2 Nos. of distillation unit
2	Replacing damaged outer shell with 1mm thickness GI sheet and 50mm glass wool/rock wool insulation inside for open vessel with bottom and top sealing	”
3	Distillation still and lid and lock repair and modification to prevent water and steam leakage, washer replacement, including material supply (two washers of appropriate size must be supplied additionally)	”
4	Boiler to vessel bottom steam inlet portion repairing including washer replacement for both vessels	
5	Condenser repairing to prevent leakage, and supply and filling of suitable oven graded clay for proper insulation	1 No.
6	Fabrication of Locking system in vessel mouth to Condenser flange	
7	Supply and fixing Non Return Valve (NRV)-1” of boiler	
8	Pressure Gauge repair/ replacement	
9	Boiler Tube cleaning	
10	Repairing of leaking pipes, Supply of necessary washers (LS)	
11	Fire and safety valve resetting work, water gauge repair	
12	Repairing and revamping of steam boiler by fitting round frame of one feet width to prevent flame rising out through holes in the existing MS frame around fire wood pit	

All works connected with the repair and efficient functioning of distillation unit should be undertaken by the quotationer. Test run should be conducted to demonstrate the efficient running of the system after loading the chamber with lemongrass.

It is advised to visit the distillation shed of the farm before placing quotation for further details.

Terms conditions

1. Earnest Money Deposit (EMD) @ 1% of the total cost of revamping offered subject to a minimum of Rs.1500/- may be remitted by a separate DD drawn as detailed above. Those claiming exemptions on payment of EMD should attach all relevant supporting documents failing which the claim shall not be admitted..
2. Price quoted should be inclusive of all charges, taxes etc.
3. The sealed cover containing quotation should be superscribed "Quotation for revamping essential oil distillation unit to be opened on 19-8-22" and send to Professor and Head, **Aromatic & Medicinal Plants Research Station, Odakkali**, Pin-683549, Asamannoor P.O. 683 549, Ernakulam District, Kerala State Kerala and must reach the station by 3.30pm on 19-8-2022.
4. Quotations received late or incomplete in any respect will be summarily rejected without notice and the decision of the undersigned on such matters will be final.
5. Successful quotationer will have to execute an agreement and remit security deposit @ 5% of the value of the quoted amount, drawn as DD or fixed deposit receipt.
6. The revamping must be done with materials of specified quality and unit must be commissioned within three weeks of issue of work order
7. Payment will be released only after commissioning and satisfactory test running of the unit. No advance payments will be made.
8. There should be a warranty of one year for the parts replaced, repaired and functioning of the unit
9. The undersigned reserves the authority to accept or reject any quotation without assigning any reason.
10. Quotation will be opened at 4pm on 19.08.2022 in the presence of the quotationers present at that time.
11. The supply of items as per specification, repair, servicing and commissioning should be completed under the supervision of the undersigned before 09.09.2022.

(Sd/-)
PROFESSOR & HEAD