

KERALA AGRICULTURAL UNIVERSITY
Aromatic & Medicinal Plants Research Station, Odakkali
Asamannoor P.O. 683 549, Ernakulam District, Kerala State
Tel: 0484-2658221; Email : amprs@kau.in

TENDER NOTICE No. A/480/13 dated 3.05.2016

Sealed tenders are invited for *Supply, erection and commissioning of steamer of lemongrass oil distillation unit* in the farm.

Description of work

The station has 10 acres of lemongrass cultivation and for extraction of essential oil from the harvested leaves a steam distillation unit is installed in the farm. The unit comprises 2 Nos of 500 kg capacity SS chambers, steamer and condenser. The steamer made of MS has now rusted and damaged and it is proposed to replace the same with a newly fabricated steamer.

Technical parameters of the steamer

- Stem capacity : 300 kg/hr
- Fuel : firewood
- Steamer plate : MS plate (8 mm)
- Super heated steamer : MS plate (8mm)
- Fire tube : ERW Boiler quality tube
- Fire box : 4 mm MS plate with 50 mm fire refractory
- Fire bar : Cast iron
- Safety valves : 2 Nos.
- Steam pressure : 5 kg/cm²

Chimney

The existing chimney (8' length) should be placed outside the shed. It should be fixed on MS angle(1.5"x6mm) structured tower of 16' ht. on 2'x2' concrete foundation. The chimney should be connected to the steamer by providing a flue ducting using Aluminium pipe (5 m length, 10" width).

The puncturing made on the roof shed to connect the flue duct to the chimney should be properly sealed to avoid rain water leakage.

The existing 3 m long steamer outlet (connecting steamer to distillation chamber) should be replaced with 2" dia SS tube.

The steamer should be installed in the existing position of distillation unit erected in the farm. All works connected with the installation should be undertaken by the supplier. Test run should be conducted to demonstrate the suitability of the system after loading the chamber with lemongrass.

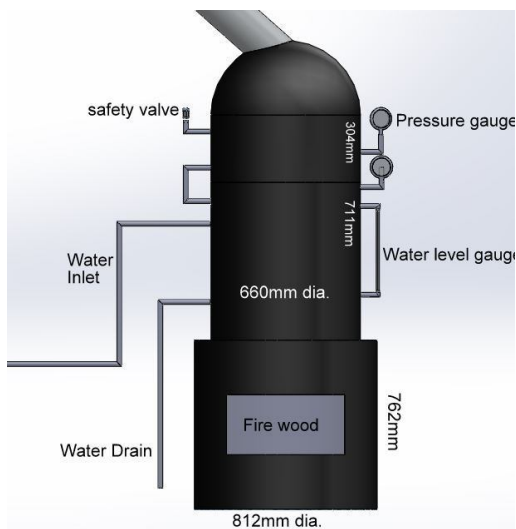
A brief sketch of the required unit is given below. Visit the distillation unit of the farm for more details.

The tender documents and conditions

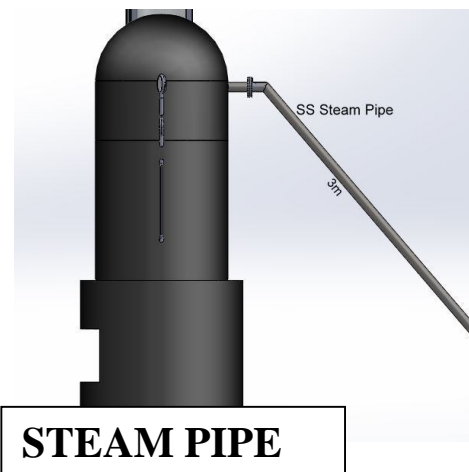
1. The tender form may be downloaded from the following web link in the Internet: <http://www.kau.in/tenders>. The cost of tender form is Rs. 0.20% of cost (rounded to nearest 100/- minimum Rs.500/-) + 5% VAT. A DD for the amount drawn in favour of **The Professor and Head, Aromatic & Medicinal Plants Research Station, Odakkali**, Pin-683549, payable at SBT Odakkali (Code- SBTR0000519) should be enclosed along with the tender submitted.
2. Earnest Money Deposit (EMD) @ 1% of the total cost of equipment 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..
3. Agreement on Kerala Stamp paper for Rs. 150.00. Form of agreement can be downloaded from the website <http://www.kau.in/tenders> under the Related Documents section.
4. Price quoted should be inclusive of all charges, taxes etc.
5. The sealed cover containing the tender documents should be superscribed "Tender for steamer of oil distillation unit " and sent to Professor and Head, **Aromatic & Medicinal Plants Research Station, Odakkali**, Pin-683549, Asamannoor P.O. 683 549, Ernakulam District, Kerala State Kerala.
6. Tenders 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.
7. Successful tenderers will have to execute an agreement and remit security deposit @ 5% of the value of the articles ordered, drawn as DD or fixed deposit receipt.
8. The item should be supplied, erected and commissioned at **Aromatic & Medicinal Plants Research Station, Odakkali**.
9. Payment will be released only after commissioning and satisfactory test running of the unit. No advance payments will be made.
10. Details of warranty, after sale service offered on expiry of normal warranty period etc. should be specified.
11. The undersigned reserves the authority to accept or reject any or all the tenders without assigning any reason.
12. The decision of the undersigned in finalizing the tenders shall be final and binding.
13. Tenders will be received up to 3.00 PM on 27.05.2016 only.
14. Tenders will be opened at 10.30 am on 28.05.2016 in the presence of the tenderers present at that time.
15. The supply, erection and commissioning should be completed under the supervision of the undersigned before 1.07.2016.

16. All conditions of Kerala government tenders are applicable in this case also. Further information can be had from the web site <http://www.kau.in/tenders> or from the office of The Professor and Head, Aromatic & Medicinal Plants Research Station, Odakkali, Pin-683549, Asamanoor P.O., Ernakulam District, Kerala State.

PROFESSOR & HEAD



FRONT VIEW



STEAM PIPE

CHIMNEY

