



Bidhan Chandra Krishi Viswavidyalaya

AICRP on Medicinal and Aromatic Plants & Betelvine

Directorate of Research, Kalyani- 741 235 Dist: Nadia, West Bengal

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Officer-in-Charge &

Principal Investigator, RKVY Project on “Promotion of Medicinal and Aromatic Plants through Cultivation and Entrepreneurship Development in West Bengal”

Ref. No.: RKVY-MAP(Q)- 08 /19-20

Date: 06.02. 2020

Sealed Quotations are invited from competent and bonafide vendors/ parties/ distributors/ dealers/ agents/ manufacturers having registration of GST for supply of equipment to University as per specifications and conditions appended below.

i) Quoted rate: The prices of item/items should be in net per unit include all essential accessories and also all taxes and duties, FOR DESTINATION (up to delivery at the laboratory at Kalyani) basis and satisfactory installation and demonstration. **Reduced rate of GST(5%) is applicable to the University.** Requisite certificate will be issued by the university authority on demand.

ii) Payment will be made after successful supply, installation and commissioning of the items.

iii) Warranty- Warranty period minimum **4(four) years** from the date of installation & demonstration.

iv) EMD: Vendors are required to pay the requisite amount of Rs.5,000/- (Rupees five thousand only) as EMD in demand draft. **Without EMD, quotations will not be considered for technical or financial comparison.** Draft must be in favour of "**Bidhan Chandra Krishi Viswavidyalaya**" payable at Kalyani (IFSC: SBIN0001082). EMD exemption certificate (if any) must be submitted with tender document.

v) Supporting documents:-

(a) Bid papers should accompany authorization certificate from original manufacturer, trade license, GST registration, PAN etc.

(b) Photocopy (self attested) of the original supporting document in favour of the specification- claim must have to be submitted.

(c) Price bid of the vendors will be compared only if technical specificity as appended is fulfilled.

(vi) The Viswavidyalaya Authority reserves the right to accept or reject any tender without showing any reason.

vii) Detail Specification:

Item /Equipment	Detail Specification
<p>SS Distillation Units (with SS Calandria Type) for Essential Oil Extraction (Cap 200L & 50L)</p>	<p>a) SS Distillation Unit (with SS Calandria Type) for Essential Oil Extraction (Unit Cap.200Lt): Steel made of SS 304 (Thickness 2mm), Calandria made of SS 304 (Thickness 2mm). Steel vessel insulated by high quality LRB mattress of 50 mm thick with cladding 0.5 mm SS sheet. Steel vessel with extra one steam outlet SS 304 Flange and SS 304 stop cork. Condenser (Shell and Tube type): Shell of condenser made of SS having SS 304 tube, both end side with SS 304 Flange and Cap (Thickness 2mm). Complete top cover SS 304 (Thickness 2mm), insulated by high quality LRB mattress of 50 mm thick with cladding 0.5 mm SS sheet. Heat proof Gasket and C type (SS) clamp. Two Oil Separator made by SS 304 sheet: one for distillate heavier than water and other for lighter than water. Provision of Calandria (SS 304 & 2mm thick) at the bottom of steel vessel for high energy efficiency. Bottom part fixed with Gas Burner. High quality Safety Valve & Temperature Gauge. All Distillation unit contact parts will be made of SS 304.</p> <p>b) SS Distillation Unit (with SS Calandria Type) for Essential Oil Extraction (Unit Cap.50Lt): Steel made of SS 304 (Thickness 2mm), Calandria made of SS 304 (Thickness 1.5mm). Steel vessel insulated by high quality LRB mattress of 50 mm thick with cladding 0.5 mm SS sheet. Steel vessel with extra one steam outlet SS 304 Flange and SS 304 stop cork. Condenser (Shell and Tube type): Shell of condenser made of SS having SS 304 tube, both end side with SS 304 Flange and Cap (Thickness 1.5mm). Complete top cover SS 304 (Thickness 2mm), insulated by high quality LRB mattress of 50 mm thick with cladding 0.5 mm SS sheet. Heat proof Gasket and C type (SS) clamp. Two Oil Separator made by SS 304 sheet: one for distillate heavier than water and other for lighter than water. Provision of Calandria (SS 304 & 1.5mm thick) at the bottom of Steel vessel for high energy efficiency. Bottom part fixed with Gas Burner. High quality Safety Valve & Temperature Gauge. All Distillation unit contact parts will be made of SS 304. Full Sketch of design of whole unit and various components thereof should be provided along with quotation. Leak test of complete unit by water filling and hydraulic test of condenser at 80 psi to be demonstrated by vender. After installation of the plant, satisfactory steam test to be demonstrated. Leak test of complete unit by water filling and hydraulic test of condenser at 80 psi to be demonstrated by vender. After installation of the plant, satisfactory steam test to be demonstrated. Full Sketch of design of whole unit and various components thereof should be provided along with quotation. Design for the Distillation Unit from any authentic organization will be preferred.</p>

Filled in quotations should be submitted to Prof. B. K. Das, Principal Investigator, RKVY Project on “Promotion of Medicinal and Aromatic Plants through Cultivation and Entrepreneurship Development in West Bengal”, Directorate of Research, BCKV, Kalyani-741235 on or before 21st February, 2020.

Sd/-

(BIJAN KUMAR DAS)