

BIDHAN CHANDRA KRISHI VISWAVIDYALAYA
ALL INDIA NETWORK PROJECT ON PESTICIDE RESIDUES
DIRECTORATE OF RESEARCH,
KALYANI-741 235, WEST BENGAL, INDIA

From:
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QUOTATION FOR THE PURCHASE OF THE LISTED ITEMS

The following items with specification listed below are required for AINP on Pesticide Residue Laboratory, Directorate of Research, Research Complex Building, Kalyani-741235. The interested enlisted vendors, Authorized dealers, Reputed Organization and Manufacturers are requested to submit the quotation on or before **20.01.2012** by 5PM in a **sealed envelope** addressed to Dr. Hemanta Banerjee, OIC, AINP on Pesticide Residues, Directorate of Research, Kalyani-741235, mentioning the **Group & item no.** on the top of the envelope. **Separate sealed envelope for each group is required otherwise it will not be considered.** In case of Manufacturer, a Manufacturing certificate is essential or a certificate of the authorized agent from the manufacturer is required. The Central Purchase Committee reserves the right to reject any or all quotations without assigning any reasons. **Delivery and Installation charges are free of cost. The rate must be given inclusive of all taxes.**

Group A (Equipment consumables)		
	Material	Specification
1	PWA Power Board for Saturn 2200 GC-MS/MS, Varian Make	Part No. 03-930210-02
2	GC-MS Filament disk assay with wires for Saturn 2200 GC-MS/MS, Varian Make	Part No. 03-930601-91
3	Flow Meter ADM 1000 Agilent Make, Part No. 220-1170	Accuracy $\pm 3\%$, Calibration – traceable to NIST primary standards, Operating temperature 0 to 45°C for the instrument, Real time, split ratio measurement, Measures flow rate from 0.5 to 1000 mL/min.
4	Flow Meter ADM 2000 Agilent Make, Part No. 220-1171-U	Accuracy $\pm 3\%$, Calibration – traceable to NIST primary standards, Operating temperature 0 to 45°C for the instrument, Real time, split ratio measurement, Measures flow rate from 0.5 to 1000 mL/min. Data output through RS -232 port, AC adopter.
5	Gas Leak Detector Agilent Make, Part No. G3388A	Detects thermal conductivity differences, Fast detection within 1 second, Audible and visual alerts, minimum detection limit 0.01 mL/min hydrogen and helium
6	Digital Temperature sensor- with NABL Calibration Certification	capacity to measure ambient to 450°C, accuracy ± 0.1 °C
7	Acquity UPLC vial	Waters Maximum Recovery vial, 12x 32 Type-1, 33-Expansion glass, screw neck with quick thread design (6 mm opening, 9 mm cap).
8	Vent valve for QP 2010 plus	Shimadzu make GC-MS

Group B (Solvent)		
	Material	Specification
1	Hexane	JT Baker, 4 Lit
2	Acetone	JT Baker, 4 Lit
3	Ethyl acetate	JT Baker, 4 Lit
4	Acetonitrile	JT Baker, 4 Lit
5	Methanol	JT Baker, 4 Lit
6	Water	JT Baker, 4 Lit
7	Dichloromethane	JT Baker, 4 Lit
8	n-Hexane for liquid chromatography LiChrosolv 1.04391.4000	EMERCK, Germany , 4 Lit
9	Acetone for Gas Chromatography SupraSolv 1.00012.2500	EMERCK, Germany , 2.5 Lit
10	Ethyl Acetate for Gas Chromatography SupraSolv 1.04371.1000	EMERCK, Germany 2.5 Lit
11	Acetonitrile gradient grade for liquid chromatography LiChrosolv 1.00030.4004	EMERCK, Germany , 4 Lit
12	Methanol gradient grade for liquid chromatography LiChrosolv 1.06007.4004	EMERCK, Germany , 4 Lit
13	Water for chromatography LC-MS and UPLC/UHPLC LiChrosolv 1.15333.2500	EMERCK, Germany 2.5 Lit
14	Nickel chloride (500 g)	Fisher Scientific
15	Tetra Butyl Ammonium Hydrogen Sulfate (100 g)	Spectrochem
16	Tetra Butyl Ammonium Acetate (25 g)	Spectrochem
17	Iodomethane (100 ml)	SRL

Group C		
	Material	Specification
1	Bottle (1000 ml)	Schott Duran Make, Cat. No. 1200380, Stirrer Reactor Anchor type, Magnetic , complete with GLS 80
2	Micropipette, Transferpette®S, 100 – 1000 µL,	Brand Make, Made in Germany
3	Rotary bulb	50, 100, 500 ml capacity
4	Diamond Glass Marker	For writing in the glasswares
5	Round Bottomed Flask	10 and 25 ml capacity

Group D		
	Material	Specification
1	Sigma 4-16 High Speed Table Top Centrifuge for angle, swing-out, microtiter and deepwell plate rotors with LC display screen. Max r.p.m : 13500 rpm, Max rcf: 20,380 x g Maximum capacity: 4 x 500 ml with swingout rotor 6 x 250 ml with Angle rotor Magnetic rotor identification and imbalance sensor Self diagnostic error messages Motorised lid lock and interlock Angle rotor 6x 250 mL for bottle no. 13255, 15247,15248, 15249 and adapter 14122-14134, sealable with hermetic aluminium lid no. 17893	Sigma Make, Cat. No. 10490 Sigma make, Cat. No. 12256 – H
2	ROTA 6R - V/FM Microprocessor based High Speed High capacity Centrifuge, Plasto Craft Make Rotar specification Cat. No. 6 place x 100 ml Angle 86100 6 place x 250 ml Angle 86250	<ul style="list-style-type: none"> • Maximum Speed: 12,000 RPM • Maximum RCF: 11,270 x g • Maximum Sample Volume: 1.5 Liters • Speed Control: Microprocessor Controlled Variable frequency • Speed Accuracy: 0 to 12,000 RPM • Power Requirement: 240 Volts (+ /-10 %) / 50 Hz,
3	Kubota Model 4200 Centrifuge	Max speed 16000 rpm

		Max capacity 1020 mL Power requirement 220-230 volt
4	Kubota Model 5911 Centrifuge	Max speed 8500 rpm Max capacity 2000 mL Temperature -20to40°C Power requirement 220-230 volt
5	Kubota Rotar ST 2504MS	4800 rpm, 4x250 mL
6	Kubota Rotar ST 504M	5000 rpm, 4x50 mL
7	Kubota Rotar ST 5004M	4000 rpm, 4x500 mL
8	Milli-Q Integral 3 Milipore Integral water purification system Millipore make	Product Water TOC, ppb: Pure water: < 30, Ultrapure water: < 5 Water Delivery, L/min: At E-POD: up to 2.0 At Q-POD: 0.05–2.0 Product Water Resistivity, MΩ·cm (@ 25 °C): <ul style="list-style-type: none"> • Pure Water: > 5 • Ultrapure Water: 18.2

Group E		
1	Twister Mixer Grinder	Bajaj make Powerful motor: 750 Watts, 30 minutes rating 5 year guarantee on motor & 2 year guarantee on product 1.5 Ltr. Stainless steel liquidising jar 1 Ltr. Stainless steel dry / wet grinding jar 0.3 Ltr. Stainless Steel chutney jar Multi functional blade system
2	Midea BW04	Bajaj make Sweep - 400 Speed (RPM) - 1300
3	Victor VW 01	Bajaj make Sweep – 400 Speed (RPM) - 1330
4	Victor VW R01	Bajaj make Sweep - 400 Speed (RPM) - 1330

Group F (Analytical Standards) All minimum pack		
1	Protocatechuic acid	SIGMA-ALDRICH/FLUKA
2	p-hydroxy benzoic acid	SIGMA-ALDRICH/FLUKA
3	Vanillic acid	SIGMA-ALDRICH/FLUKA
4	p-coumaric acid	SIGMA-ALDRICH/FLUKA
5	Ferulic acid	SIGMA-ALDRICH/FLUKA
6	Sinapic acid	SIGMA-ALDRICH/FLUKA
7	Chlorogenic acid	SIGMA-ALDRICH/FLUKA
8	Kaemferol	SIGMA-ALDRICH/FLUKA
9	Quercetin	SIGMA-ALDRICH/FLUKA
10	Lutein	SIGMA-ALDRICH/FLUKA
11	Myrcetin	SIGMA-ALDRICH/FLUKA
12	Apigenin	SIGMA-ALDRICH/FLUKA

Copy for display in the notice board as per list:

1. The Director of Research, BCKV, Kalyani
2. The Dean, F/Agriculture, BCKV, Mohanpur
3. The Head, Dept of Agril. Chemicals, BCKV, Mohanpur
4. The Comptroller, BCKV, Mohanpur
5. University website

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