



**SIKKIM UNIVERSITY**

(A central university established by an Act of Parliament of India in 2007 and accredited by NAAC in 2015)

**Department of Horticulture  
School of Life Sciences  
6<sup>th</sup> Mile, Samdur, Tadong-737102, Gangtok, Sikkim**

Ref. No. SU/2016/ACA-06/Project/ "ESLIFSITLS"/DR. SU/3206/ Quot.1-3 Date: 25/11/2016

**NOTICE INVITING QUOTATION (NIQ) FOR LABORATORY EQUIPMENTS/  
CONSUMABLES OF THE DEPARTMENT OF HORTICULTURE, SIKKIM UNIVERSITY,  
GANGTOK**

Sealed Quotations in prescribed format are invited by Dr. Sujata Upadhyay, Principal Investigator, DAE project, Department of Horticulture, Sikkim University, Gangtok from authorized agents/Indian Manufacturers/Dealers/Registered Firms etc. for the supply of the following laboratory equipments /chemicals and glasswares required for ongoing research project of Department of Horticulture, Sikkim University, Gangtok

**Project details:** Supply of laboratory equipments/ chemicals and glasswares at Department of Horticulture for the DAE funded research project entitled "**Extension in Shelf Life of Indigenous Fruits of Sikkim by Irradiation Technology for Livelihood Security**".

**NOTICE INVITING QUOTATION (NIQ) NO.1**

Sl. No.	Name of equipments	Specifications	Quantity	Total price (without tax)	Total price (with tax)
1.	Digital flourometer	Measures fluorophors like vitamins, quinine, steroids and metal. Results are displayed on 3 digit 7 segment LED. Sensitivity in 4 ranges. Dimensions 262×340×165 mm, weight: 5 kg (approx.), 12 V, 50 W tungsten halogen lamp, Supplied with standard accessories : A set of five filters and a set of five test tubes [Primary filter (Corning 5840, 5113), Secondary filter (Corning 4308, 3486, 3385), Sample test tube 15 mm (D) × 80 mm (H), Highly sensitive wide range photo diode / cell]	1		
2.	Reefer containers (cold chain boxes)	LLDPE boxes of 23-25 litres capacity (Approx. external dimensions 77.0×61.5×51.5 cm and internal dimension 52×37×28.2 cm) for keeping fresh fruits during collection time and while carrying from Gangtok to Mumbai and back. The shelf life of box may be 100-140 hours with the temperature of 4 <sup>0</sup> C to 6 <sup>0</sup> C. The lid of the box may be hinged or removable. CFC free polyurethane may be insulation material. The gelling or cooling items along with the box will be preferred.	75		

**NOTICE INVITING QUOTATION (NIQ) NO.2**

Sl. No.	Name of equipments	Specifications	Quantity	Total price (without tax)	Total price (with tax)
1.	Desktop computer	All-in-One - 22-b035in (W2U40AA), Intel® Core™ i5-6200U Processor 4GB DDR4 RAM / 1TB HDD Windows 10 Home 21.5" FHD IPS display 3 years warranty	1		
2.	Colour printer- 3 in one	Color LaserJet Pro MFP M177fw Multifunction for print, copy, scan and fax	1		
3.	Refrigerator	Double Door 450 Litres Frost Free Body: Toughened Glass, Top Freezer (for storing chemicals and fresh fruits)	1		

**NOTICE INVITING QUOTATION (NIQ) NO.3****A. NIQ for laboratory chemicals**

Sl. No.	Name of chemicals	Packing	Total price (without tax)	Total price (with tax)
1.	1,10-Phenanthroline hydrochloride monohydrate, A.R	25g		
2.	2,2-Diphenyl-1-picrylhydrazyl	1g		
3.	2,6- Dichlorophenol	100 gm		
4.	Acetic Acid aldehyde free AR	500 ml		
5.	Acetone, A.R.	2.5 L		
6.	Ammonium molybdate tetrahydrate, A.R	100 g		
7.	L-Ascorbic Acid, AR	50 g		
8.	Bovine Serum Albumin fraction-V	25g		
9.	Catechol	500g		
10	Copper (II) sulphate pentahydrate, A.R.	500g		
11	D(+)- Glucose, Anhydrous, AR	500g		
12	EDTA	1KG		
13	Ferrous sulphate heptahydrate, A.R.	500g		
14	Ferrozine,	5g		
15	Ferric Chloride anhydrous, A.R.	500g		
16	Ferulic acid, Pure	25 g		

17	Filter paper (Whatman 1)	100C		
18	Filter Paper Whatman 4	100C		
19	Folin & Ciocalteu's Reagent	100ml		
20	Folin & Ciocalteu's phenol reagent	500ml		
21	Gallic acid monohydrate	500g		
22	Methanol, HPLC	2.5L		
23	MethanoL, AR	2.5L		
24	m-Phosphoric acid sticks	500g		
25	Nitric Acid min. 69% pure, A.R.	2.5 L		
26	Perchloric Acid about 70%, AR	500ml		
27	Petroleum ether 40-60 <sup>0</sup> C, A.R.	2.5 L		
28	Phosphate buffer	1PK		
29	Potassium ferricyanide, A.R.	500g		
30	Potassium phosphate monobasic, ACS	500g		
31	Potassium Phosphate dibasic, anhydrous, A.R.	500g		
32	Quercetin dihydrate	25g		
33	Rutin trihydrate	25g		
34	Sodium Acetate anhydrous, AR	500g		
35	Sodium arsenate dibasic heptahydrate, A.R.	250g		
36	Sodium Carbonate, Anhydrous, AR	500g		
37	Sodium Hydroxide pellets, AR	500g		
38	Sodium nitrite, A.R.	500g		
39	Sodium phosphate monobasic Anhydrous	500g		
40	Sodium potassium tartrate tetrahydrate, A.R.	500g		
41	Sulfuric acid pure AR	500ml		
42	Trichloroacetic acid, A.R.	500g		
43	Sodium bicarbonate, A.R.	500 g		
44	Sulfuric acid about 98% EMPLURA	2.5 l		
45	Ethanol GR, ACS	500ml		
46	Aluminum chloride	250g		
47	Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ),	500ml		
48	Potassium permanganate solution (0.1 N)	500 ml		
49	Potassium permanganate	500 g		
50	Ammonium thiocyanate	500 g		
51	Formic acid 98-100 % EMPLURA	500 ml		
52	Potassium hydroxide	500g		
53	Dichloromethane	2.5l		
54	Ethyl acetate	2.5l		
55	Acetic acid (glacial) 100% anhydrous	1l		
56	Trolox 6-HYDROXY-2,5,7,8-	500mg		

	TETRAMETHYLC			
57	Magnesium oxide	500g		
58	Anthrone	25g		
59	Nutrient Agar, pH 7.0	100 g		
60	Sodium chloride	500g		
61	Iron(III) chloride anhydrous	500 g		
62	Fehling's solution A	500ml		
63	Fehling's solution B	500ml		
64	Methylene blue	125ml		
65	Methylene blue	100 g		
66	Lead(II) hydroxide acetate anhydrous,	1Kg		
67	di-Potassium oxalate monohydrate	500 g		
68	Sucrose	500g		
69	Hydrochloric acid	1l		
70	Phenolphthalein 1% indicator solution	125ml		
71	Oxalic acid	500g		
72	Multi element calibration standard 3	100 ml		
73	Multi element calibration standard 5	100 ml		

#### B. NIQ for Glasswares

Sl. No.	Name of glasswares	Packing	Total price (without tax)	Total price (with tax)
1.	Funnels separating PTFE STCK	500ml		
2.	Volumetric flask	250 ml		
3.	Amber glass crimp vial, 100/pk	11mm, 2ml		
4.	Crucible without lid	25 ml		
5.	Volumetric flask	100ml		
6.	Bottles Reagent STPR Amber	500ml		
7.	Stirrer	7×150 mm		

#### Terms & Conditions:

1. The NIQ is open from the date of uploading on [www.cus.ac.in](http://www.cus.ac.in) , the official website of Sikkim University, Gangtok.
2. The quotations will be received till 15<sup>th</sup> December, 2016 (Thursday), 2:00 P.M. at Dept. of Horticulture, Sikkim University, Gangtok.
3. Only prescribed format, to be downloaded from Sikkim University website [www.cus.ac.in](http://www.cus.ac.in) shall be considered.
4. An amount of Rs.500/- (non-refundable) as the cost of downloaded quotation form and Earnest Money Deposit (EMD-refundable) i.e. 1% of the quoted price of equipment /

chemicals /glasswares pledged in favour of Sikkim University by Demand Draft payable at Gangtok should also be sent along with quotation.

5. The sealed quotations will be opened on: 15/12/2016 (Thursday) at 3:00 P.M. at Dept. of Horticulture, Sikkim University, Gangtok. Representative of firms are welcome to be present at the time of opening.
6. All bidding documents must be sent to University in a sealed format by registered or speed post or hand delivered to the Department of Horticulture, Sikkim University, 6th Mile, Tadong-737102, Gangtok, Sikkim on or before 15/12/2016, 2:00 P.M.
7. The envelope should be super scribed as 'QUOTATION FOR SUPPLY OF LABORATORY EQUIPMENTS/CHEMICALS & GLASSWARES: DAE PROJECT, DEPARTMENT OF HORTICULTURE, SIKKIM UNIVERSITY, GANGTOK
8. The rates should be FOR at Dept. of Horticulture, Sikkim University, 6<sup>th</sup> Mile, Tadong-737 102, Gangtok, Sikkim.
9. The University reserves the right to accept or reject quotation in whole or in part in the manner decided by the Project Purchase Committee, whose decision shall be final and binding.
10. The quotes should be mentioned without tax and with tax in the quotation form and should be delivered at Dept. of Horticulture laboratory, Gangtok, Sikkim. No separate freight shall be chargeable under any circumstance.
11. The rates quoted should be valid for at least three months.
12. Any other terms and conditions may be exclusively mentioned along with submitted quotation.

**Note : Annexure I & II should be submitted in the official letter head of the firm.**

**Dr. Sujata Upadhyay**

(Principal Investigator)

## ANNEXURE I (FORMAT FOR QUOTATION)

1. Name of the firm:
2. Full postal address of the firm:
3. Registration details:
4. PAN details:
5. Account details:
6. Telephone/Mobile:
7. Email:
8. Website:
9. Item wise cost (inclusive of all taxes and duties)
10. VAT/CST No.

Certified that the quoted price is for the equipments/chemicals and glasswares with specifications as mentioned by Sikkim University without any deviation.

Name and Signature:

Designation:

Place:

Date:

Official Seal

**ANNEXURE II**

**CERTIFICATE OF ORIGINALITY**

Date:

To,

Dr. Sujata Upadhyay  
Assistant Professor & PI  
Department of Horticulture  
Sikkim University  
6th Mile, Tadong-737 102  
Gangtok, Sikkim

Madam,

We are registered dealer of the quoted laboratory equipments/chemicals and glasswares. The copy of registration certificate is enclosed. We further testify that the products proposed to be supplied for which quotation has been made are original and genuine company products and confirm to the specification desired by you. The rates are valid for **three** months.

Name and Signature:

Designation:

Place:

Date:

Official Seal