



Office of the Principal

ARYA VIDYAPEETH COLLEGE (Autonomous)
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No.AVC/Supply/2022/

Date: 22/12/2022

**Notice inviting quotation to bid for supply of the following equipments,
Glassware & Chemical for the Chemistry Department of this College**

DETAIL TENDER NOTICE

22/12/2022

Sealed tenders in affixing court Fees stamp of Rs. 8.25 (Rupees eight and twenty five paisa) only with a validity period of 6 (six) month from the date of opening of tenders for each tender are hereby invited for the following work from the intending reputed firms and will be received by the undersign up to **2.00 P.M.** of **06/01/2023** and will be opened on the next day at **12.00 noon.** in presence of the tenderers or their authorized representatives. In case of unscheduled holiday in the date of opening of the tender, the tender will received and opened in the next working day at the same time.

1. Name of the work: Supply of equipments, Glassware & Chemical for Chemistry Departments at Arya Vidyapeeth College (Autonomous), Guwahati-16.

2. Cost of Tender Paper: Rs. 500/- (Rupees five hundred) The tender papers may be obtained from College Office on any working days or from the College website: www.avcollege.ac.in

TERMS AND CONDITIONS:

1. The time allowed for completion is 15 (Fifteen) Days from the date of issue of the formal work order.
2. Earnest Money at the rate of 2% (1% only for the tenderer belonging to ST, SC & OBC) of the estimated cost will have to be submitted along with the tender in the form of Demand draft/Banker's cheque only (other form will not be accepted), pledged to the Principal, Arya Vidyapeeth College, Guwahati-16 and payable to Guwahati. Reduced rate of earnest money as per Govt. circular will be applicable for ST, SC and OBC etc tenderers provided

the copy of the circular is enclosed along with the tender. Without earnest money, the tender will not be accepted.

3. The acceptance of tender will rest with the Principal, Arya Vidyapeeth College (Autonomous) who does not bind himself to accept the lowest tender and reserves to himself the Authority to reject any or all the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or re incomplete in any respect are liable to be rejected.
4. Canvassing in connection with tender is strictly prohibited and the tender submitted the tenderers who resort to such canvassing will be liable to rejection.
5. The tenderers must enclose true copies of **Pan Card, and GST Registration Certificate, Trade Licence** (as applicable) on the latest form as prescribed by the Ministry of Finance/Commerce, Government of India duly attested by Gazetted officer or self-attached without which the tender will not be accepted. Further, the tenderers also must enclose the photocopies of **upto date Registration Certificate, Work Experience Certificate** etc. duly attested by Gazetted officer or self-attached without which the tender will not be accepted.
6. Tenderer must submit their tender in two bidding envelope (i) Technical Bid & (ii) Financial Bid.
7. At least one similar work of value not less than amounting to tenderers quoted value in any one year of the last five year.
8. The validity of acceptance of the tenders shall remain open for a period of 180 (one eighty) days from the date of opening the tenders. If any tenderer withdraws his tender before the said period or makes any modification in the items and conditions of the tender, which are not acceptable to the authority, then, the Authority shall without prejudice to any other right or remedy be at liberty to forfeit an amount equivalent to 2% of the value of the contract.
9. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may tender for the same work. Failure to observe this condition shall render tenders of the Contractors tendering as well as witnessing the tender, liable to summary rejection.

10. Detailed particulars of the tenderer like permanent address, partnership deed if applicable etc. shall be submitted along with the tenders. Power of Attorney or other proof of authority of the person signing the tender shall be submitted in case of firms which should be duly attested by Gazetted Officer or self-attached, if photocopy is submitted.
11. The tenderer shall submit a list of works similar in nature to the work under tender executed during the last three to five years giving the following details:-
 - (a) Name of Work
 - (b) Name of Departments under which the work was executed
 - (c) Value of works
 - (d) Date of starting and completion
 - (e) Remarks if any
12. The tenders shall submit list of work which are in hand giving the following details:-
 - (a) Name of work
 - (b) Name and particulars where work is being executed
 - (c) Amount of works
 - (d) Position of works in progress, Remarks, if any
13. The tenders responsibility for the contract shall commence from the date of issue orders of acceptance of tender.
14. Unsealed tender will be summarily rejected.
15. The tenderer, should read the specifications and study the other terms and conditions carefully before submitting the tender.
16. If it is found that the tender is not submitted in the proper manner or conditions too many corrections or absurd rates or amount are entered, it would be open for the Authority to take suitable action against the contractor. The tenderer also must sign on the every pages of the detailed tender, otherwise his tender will be summarily rejected.
17. It may be noted that the lowest quoted rates may not be the sole criteria for selection of successful tenderer. Other requirements like experience of work in similar nature, work at hand, financial soundness will be considered for selection. Certificates regarding work experience, financial soundness etc.

will have to be duly attested by Gazetted officer of self-attached and original copies may be required to submit if asked for.

18. The tenderer shall sign a declaration as per format given in the covering letter or the tender under the official secret act for maintaining secrecy of the tender documents, drawings or any other records connected with the work given to them (if any). The tenders who had been issued with tender papers but did not submit tenders shall return all the documents given to them.
19. Tenderer should quote their rates keeping in mind all the taxes.
20. Tenderer should be quoted their rate as per our specification, other specification summarily reject the tender.

LIST OF CHEMICALS

SL. NO.	CHEMICALS	QUANTITY
1	AMMONIUM CHLORIDE	500 g
2	AMMONIUM SULPHATE	500 g
3	AMMONIUM OXALATE	500 g
4	AMMONIUM THIOCYANATE	500 g
5	ALUMINIUM SULPHATE	500 g
6	BARIUM CHLORIDE	500 g
7	CUPRIC CHLORIDE	500 g
8	COBALT CHLORIDE	500 g
9	COBALTOUS NITRATE	500 g
10	CUPRIC NITRATE	500 g
11	COPPER TURNING	500 g
12	CITRIC ACID	500 g
13	FERRIC CHLORIDE	500 g
14	GLYCINE	500 g
15	AMMONIA SOLUTION	5 Litre
16	FERROUS SULPHATE	500 g
17	n- BUTANOL	500 mL
18	SODIUM HYDROXIDE	500 g
19	EDTA	500 g
20	POTASSIUM HYDROXIDE	500 g
21	POTASSIUM PERMANGANATE	500 g
22	POTASSIUM OXALATE	500 g
23	POTASSIUM DICHROMATE	500 g
24	FERROUS SULPHIDE	1 Kg
25	POTASSIUM CHLORIDE	500 g
26	POTASSIUM FERROCYANIDE	500 g
27	POTASSIUM CHROMATE	500 g
28	SODIUM HYDROGEN CARBONATE	500 g

29	HYDROGEN PEROXIDE 30%	1 Litre
30	SODIUM CARBONATE	500 g
31	MAGNESIUM SULPHATE	500 g
32	MAGNESIUM CHLORIDE	500 g
33	SODIUM METAL	500 g
34	POTASSIUM IODIDE	500 g
35	METHANOL	500 mL
36	SPIRIT	500 mL
37	AMMONIA SOLUTION	1 Litre
38	2,4- DINITROPHENYL HYDRAZINE	250 g
39	PVA(polyvinyl alcohol) (Hot)	500g
40	SDS(sodium dodecyl sulphate)	500g
41	BENZOYL PEROXIDE	100g/ 500g
42	STYRENE	500 mL
43	ADIPIC ACID	500g
44	HEXAMETHYLENE DIAMINE	500g
45	ACETIC ACID, GLACIAL	500 mL
46	BENZOYL CHLORIDE	500 mL
47	DICHLOROMETHANE	500 mL
48	CHLOROFORM	500 mL
49	DIETHYL ETHER	500 mL
50	ACETONE	2 Litre
51	SULPHURIC ACID	7.5 liter
52	HYDROCHLORIC ACID	7.5 liter
53	PHENOLPHTHALIEN	100g
54	THIONYL CHLORIDE	500 mL
55	ACETYL CHLORIDE	500 mL
56	SODIUM BOROHYDRIDE	500g
57	CERIC AMMONIUM NITRATE	500g
58	SUNFLOWER OIL	500 mL
59	SILICONE OIL	2.5 LTR
60	METHYL METHACRYLATE	500 mL
62	METHYL ACRYLATE	500 mL
63	ANILINE	250 Ml
64	ETHYLAMINE	500 mL
65	NITROMETHANE	500 Ml
66	SILICA GEL G	1 Kg
67	SILICA GEL GF254	500g
68	UREA	500g
69	SALICYLIC ACID	500g
70	BENZOIC ACID	500g
71	NAPHTHALENE	500g
72	ANTHRACENE	500g
73	RESORCINOL	500g
74	OXALIC ACID	500g
75	PHTHALIC ACID	500g

76	STARCH	500g
77	PARA-DICHLORO BENZENE	500g
78	CINNAMIC ACID	500g
79	BENZOIN	500g
80	BENZOPHENONE	500g
81	BENZIL	500g
82	PARA-CHLOROANILINE	500g
83	BENZIL	500g
84	PARA-HYDROXYBENZOIC ACID	500g
85	ANTHRANILIC ACID	100g
86	ORTHO-NITROPHENOL	500g
87	BROMINE-WATER SOLUTION	500 mL
88	1-PROPANOL	500 mL
89	N-METHYLPYROLIDANE (NMP)	100 mL
90	ETHYL ACETATE	500 mL
91	METHYL ACETATE	500 mL
92	AZO-BIS-ISOBUTYRONITRILE (AIBN)	250g
93	PETROLEUM ETHER	25 Litre
94	GUANIDINE HYDROCHLORIDE	250 g
95	AMMONIUM PERSULPHATE	100 g
96	4-METHOXY BENZALDEHYDE	100 g
97	4-NITRO BENZALDEHYDE	100 g
98	TITANIUM DIOXIDE	500g
99	BARBITURIC ACID	25 g
100	THIOBARBITURIC ACID	25 g
101	FURAN	100 mL
102	PYRROLIDINE	100 ML
103	NIOBIUM PENTOXIDE	10g
104	1,3-DIAMINOPROPANE-N,N,N',N'- TETRAACETICACID	10g

LIST OF LABORATORY GLASSWARES

SL. NO	GLASSWARE/ APPARATUS	QUANTITY
1	WIRE GAUGE	1 DOZEN
2	RED & BLUE LITMUS	1 PKT.
3	TEST TUBE HOLDER (COPPER)	1DOZEN
4	TEST TUBE BRUSH	1 DOZEN
5	TONGE	1 DOZEN
6	TRIPOD STAND	1 DOZEN
7	BUNSEN BURNER	1DOZEN
8	BURETTE STAND	1 DOZEN
9	BURNER GAS PIPE (RUBBER)	500 MTR.
10	CONICAL FLASK 50 ML	1 DOZEN
11	CONICAL FLASK 100 ML	1 DOZEN
12	CONICAL FLASK 250 ML	1 DOZEN
13	CONICAL FLASK 500 ML + 1000 ML	1 DOZEN

14	BEAKER 50 ML	1 DOZEN
15	BEAKER 100 ML	1 DOZEN
16	BEAKER 250 ML	1 DOZEN
17	BEAKER 500 ML	1 DOZEN
18	BEAKER 1000 ML	1 DOZEN
19	VOLUMETRIC FLASK 100 ML	1 DOZEN
20	VOLUMETRIC FLASK 250 ML	1 DOZEN
21	VOLUMETRIC FLASK 500 ML	1 DOZEN
22	BURETTE 50 ML	1 DOZEN
23	WATCH GLASS (MEDIUM SIZE)	1 DOZEN
24	PORCELAIN BASIN	1 DOZEN
25	WATER BATH	1 DOZEN
26	TEST TUBE	1 DOZEN
27	DROPPER	1 DOZEN
28	WASH BOTTLE	1 DOZEN
29	STALAGMOMETER	1 DOZEN
30	VISCOMETER	1 DOZEN
31	PICNOMETER	1 DOZEN
32	MORTAR PESTLE	1 PCS.
33	FILTER STAND	1 DOZEN
34	GLASS PIPE	1 PCS. (LONG)
35	GLASS ROD	1 PCS. (LONG)
36	SPATULA	1 DOZEN
37	GLASS FUNNEL	1 DOZEN
38	FUSION TUBE	1 PKT.
39	ROUND BOTTLE FLASK 100 ML (ONE NECK, SIZE 19)	1 DOZEN
40	ROUND BOTTLE FLASK 250 ML (ONE NECK, SIZE 19)	1 DOZEN
41	ROUND BOTTLE FLASK 500 ML (ONE NECK, SIZE 19)	1 DOZEN
42	ROUND BOTTLE FLASK 250 ML (TWO NECK, SIZE 19)	1 DOZEN
43	CHROMATOGRAPHIC PAPER	1PKT.
44	HARD GLASS TEST TUBE	1 DOZEN
45	RUBBER CORK (CONE SIZE 19)	1 DOZEN
46	PIPETTE 5 ML	1 DOZEN
47	PIPETTE 10 ML	1 DOZEN
48	PIPETTE 20 ML	1 DOZEN
49	PIPETTE 25 ML	1 DOZEN
50	CONDENSER (NECK SIZE 19)	1 DOZEN
51	FILTER PAPER	10 SHEETS
52	BUCHNER FUNNEL	1 PCS.
53	PIPETTE PUMP (PLASTIC)	1 DOZEN
54	WHATMAN FILTER PAPER	1 PKT.
55	CHROMATOGRAPHIC COLUMN	1 PCS.
56	SOXHLET APPARATUS	1 PCS.
57	WATER IMMERSION PUMP	1 PCS.

List of Laboratory Items

Sl. No.	Instrument	Specification	Quantity
1	Muffle Furnace	Temperature Range: 900-1000 °C Size: 250x125x125 mm	01
2	Teflon-lined stainless steel autoclave	Volume: 100 mL Inner body: Teflon	01
		Volume: 50 mL Inner body: Teflon	01
3	Heating mantle	Size: For 100 mL round-bottomed flask	01
4	Overhead mechanical stirrer with SS rod	Shaft Length: 250 mm Speed: 200-2000 rpm Volume: 10 L Stirring Shaft: 8 Impeller: 36 mm Type: Axial Turbine	01

Instrument & Their Specification

Sl. No.	Instrument	Specification	Quantity
1	UV-Vis Spectrophotometer	Dimension: 420 x 280 x 180 mm Optical System: Single Beam and Double Beam, Grating 1200 lines/ mm Wavelength Range: 190 - 1000 nm Data Output Port: USB Port & Parallel Port (Printer) Cell Holder: 10 mm cell 4 position cuvette holder Light Source & Detector: Deuterium Lamp & Tungsten Halogen lamp	01
2	Rotary Evaporator with Low Temperature Circulator, Oil Free Diaphragm Pump, Vacuum controller and Ultra Low temperature cold Trap	Lift Type: Automatic Condenser type: Vertical/Horizontal Rotation speed: 20-230 rpm Size Flask: 50-5000 mL Temperature Range: 20-210 °C Heating Bath: Ceramic coated, 50-5000 mL Motor power: 60 W	01

Sd/-
Principal,
Arya Vidyapeeth College,
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