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OFFICE OF THE PRINCIPAL
ANCHALIKA DEGREE MAHAVIDYALAYA, SWAMPATNA, KEONJHAR
(UGC Approved)
At/Po- Swampatna, Ps-Patna, Dist-Keonjhar, Odisha, Pin-758030

Tender Document

For

Procurement of "Science Lab Equipment "

to

Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar

Tender Document No : AMVS/2021-22/OHEPEE/002
Dated :

Issued by : Principal
Anchalika Degree Mahavidyalaya,
Swampatna, Keonjhar, Odisha

M. Sahoo
PRINCIPAL 17/12/2021

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SCHEDULE OF TENDER

Tender No.	AMVS/2021-22/OHEPEE/001
Name of the tender issuer	Principal, Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar
Scope of Work	"Supply of Science Lab Equipment" Details as per Annexure I
Quantity to be supplied	As per Annexure I
Cost /fee of Tender Documents	Rs. 500/- in form of a DD drawn in favour of Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar Payable at Swampatna, Keonjhar
Earnest Money Deposit (EMD) (Two Different EMDs to be submitted if one bidder is applying for both parts of the tender)	EMD - Rs. 18000/-
Performance Bank Guarantee (PBG)	Rs. 18000/-
Date of issue of tender document	20.12.2021
Date & Time of Pre Bid clarification	27.12.2021, 10.00 AM
Last Date & Time for Submission of Bids	20.01.2022, 5.00 PM
Date & Time of Opening of Technical Bids	25.01.2022, 11.00 AM
Date & Time of Price Bid Opening	01.02.2022, 11.00 AM
Name of the contact person for Communication	Mrs. Susnata Sovalin Mohapatra
Contact Number of the concerned person	7008626835
Address for Communication	Principal, Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar, Odisha At/PO- Swampatna PS-Patna, Dist-Keonjhar-758030

ELIGIBILITY CRITERIA

The bidders who are desirous for above work require fulfilling the following conditions:

- 1) Must be registered under GST Act.
- 2) Must have average annual turnover for the last three years i.e., 18-19, 19-20 & 20-21 should not be less than Rs 2 Lakhs. The bidder must submit copy of audited balance sheet and profit & loss account certified by the Chartered Accountant along with the acknowledgement of Income tax return as a proof in the Technical bid.
- 3) Should not have been blacklisted by any State Govt. / Central Govt. / PSU in India.
A self declaration is required as per **Annexure IV**.
- 4) Must have a valid PAN.

BID SUBMISSION

Steps to be followed for submission of bid:

1. The bid shall be submitted in three parts, the EMD, Technical Bid & the Price Bid.

i) **Earnest money Deposit (EMD):** Bidder has to submit EMD of required amount in the form of Demand draft drawn in favour of "OHEPEE, Principal Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar, Odisha Payble at Swampatna, Keonjhar. The EMD should be sealed in one envelope marked as "EMD".

Earnest Money Deposit will not carry any interest. The EMD of unsuccessful bidders will be refunded on acceptance of the work order by the successful bidder. The EMD of successful bidder will be returned on submission of performance security.

The bid not accompanying EMD is liable to be rejected.

ii) **The Technical bid** sealed in another envelope marked as "Technical Bid" and shall contain

- The bidder should supply the items as per technical specification mentioned in **Annexure I**. The list of items that are available with the tenderer.
- The bidder should provide details as per **Annexure II**, duly filled in, signed and complete in all respects. No alteration / modification in the format shall be permitted.
- A self declaration that the tenderer has not been blacklisted by any State Government/ / Central Govt. / PSU in India as per **Annexure IV**.
- Audited balance sheet and profit & loss account along with copy of acknowledgement of Income Tax return of last three financial years i.e. 18-19, 19-20 & 20-21

(iii) **The Price bid** shall be sealed in an envelope marked as "Price Bid" and shall contain the price bid as per **Annexure III** duly completed in all respects.

Rate quoted should be inclusive of GST. No price increase on account of change in tax structure, duties, levies, charges etc shall be permitted.

The three separate envelope containing EMD, technical bid and price bid should be sealed in one envelope and should be addressed as per tender schedule super-scribed as "Science Lab Equipment"

GENERAL TERMS AND CONDITIONS OF THE BID

Note: Bidders must go through these conditions carefully and comply strictly while submitting their bids.

- 1) Bidder shall prepare the bid and submit it in a sealed envelope addressed to Principal, Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar ,At/Po-Swampatna, PS-Patna Dist-Keonjhar Odisha-758030 and send it through **Speed Post/ Registered Post/Courier only** (no hand delivery will be entertained). Each envelope should bear the name of bidder, along with the tender number. However the authority shall not be responsible for postal and other delay in receipt of the bids.
- 2) Bidders are requested to check for any notice /amendment/ clarification etc. to the Tender Document through the website <http://www.amvswampatna.org.in> / **Notice board of the office of Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar**. No separate notification will be issued for such notice / amendment /clarification etc. in the print media or individually.
- 3) The Bidders should note that Prices should not be indicated in the Technical bid and should be quoted only in the Price Bid as per **Annexure III**. In case the prices are indicated in the Technical bid, the bid shall stand rejected.
- 4) **"PRE-BID Meeting"** with the intending bidders shall be held on **27th December, 2021** from 10:00 A.M. at Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar. Any queries related to this tender shall be sent to the mail id: amvswampatna2011@gmail.com one day in advance. The clarifications, if any will be uploaded in the college web site. All bidders are invited to attend the pre-bid meeting. No deviation to any of the terms will be permitted after freezing of the same at pre-bid meeting.

On the date of pre bid meeting the bidders may make site verification where installations are to be made.

5) OPENING OF TECHNICAL BID

The Technical proposal will be opened on **25th January 2022**, at 11:00 A.M in the presence of the tender Committee and representative of the bidders. No separate intimation will be given to the bidders in this regard.

6) EVALUATION PROCESS

Technical proposals will be evaluated on the basis of compliance to eligibility criteria, technical specification, and other terms & conditions stipulated in the tender documents. Financial proposal will be opened only of those bidders who qualify in the technical evaluation. The Committee reserves the right to reject any or all the tenders without assigning any reason thereof.

- 7) **Award of Contract:** Financial bids with lowest price quotation for the assignment as per Annexure-III will be considered for negotiations and award of contract. However where there is tie between bidders in lowest evaluated package price, the person having highest financial turnover in the preceding 3 financial year will be given preference.
- 8) **PERFORMANCE BANK GUARANTEE:** The selected bidder shall deposit performance security of Rs. 18000.00 in the form of a demand draft/ fixed deposit receipt from a commercial bank / bank guarantee from a commercial bank within fifteen working days of the date of notice of award of the tender. The performance security deposit will be retained till completion of the warranty period.
- 9) The bids not submitted in prescribed format or in prescribed manner, shall be rejected by the Tender Committee at the risk and responsibility of the bidder.
- 10) All the information as called for in the tender document should be submitted truly, clearly, legibly, transparently, unambiguously and without using abbreviations.
- 11) In the financial bid the total figures should be written in figures followed by words.
- 12) Each page of the tender document should be signed by the bidder with seal, in token of having understood and accepted the terms and conditions of the contract and serially numbered and page marked.
- 13) Once a bid submitted cannot be withdrawn. The bidder or his authorized representative (one person only) will be allowed to be present at the time of opening of tenders.
- 14) The Tendering Authority reserves the right to accept any bid, and to annul the bid process and reject all bids at any time prior to award of contract, without assigning reasons & without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the action.
- 15) All the transit risks shall be the responsibility of the supplier.
- 16) All the disputes shall be subjected to the jurisdiction of Civil Courts situated in Keonjhar.

- 17) Any matter which has not been covered under these provisions shall be governed as per the provisions of Odisha State Government Rules.
- 18) If the work is found un-satisfactory or, the firm dishonors the contract, the Performance Security Deposit may be forfeited and the job may be entrusted to another firm. In this regard the decision of the Committee is final and binding on the contractor.
- 19) Any notice given by one party to the other pursuant to this contract shall be sent in writing to Principal, Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar
- 20) **Payment Terms:** All payments will be made within 30 days of submission of invoice, based on completion of respective terms & conditions. TDS will be deducted as per the rules. The invoice will be raised in favour of Principal Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar, At/ Po: Swampatna PS-Patna Dist-Keonjhar, Odisha-758030.
- 21) **Completion Period:** The work shall be completed in all respect within 30 days from the date of issue of work order.

ANNEXURE - I**List of Lab equipment to be Supplied****PHYSICS LAB EQUIPMENTS**

DEPARTMENT OF PHYSICS, ANCHALIKA MAHAVIDYALAYA, SWAMPATNA, KEONJHAR.

SL. NO	NAME OF EQUIPMENTS	DESCRIPTION	No
1	Determine Moment Of Intertie Of a Flywheel		1 Set
2	Determine The Value Of g By Bar Pendulum		1 SET
3	Determine The Value Of g By Katers Pendulum		1 SET
4	To Study The Characteristics Of a Series R C circuit		1 SET
5	Carey Fosters Bridge		1 SET
6	Wave Length Of Sodium Light Using Newton's ring		1 SET
7	Plane Diffraction Grating		1 SET
8	Ohm's Law to calculate R' Hooke's law to Calculate Spring Cons tent		1 SET
9	Determine Mechanical Equivalent Of Heat	Joule's Calorimeter Nickel Plated Cover	1 SET
10	Determination Of 'J' By Calorimets	Legated & enclosed With Vessel, Ebonite Lead ,Pair Of 4 mm Socket terminal	1 SET
11	Zenor Diode(v-I Characteristics)	Power supply D.C in ter – 65 w. + 175 ,Vot.4.5-5.4 max 5MA	1SET
12	To Study The Various biasing Configuration of BJT	To 3 .To 126 , To 92 Sot 23	1SET
13	Millicon -oil drop apparaturs to Determine the charge electurn	Voltage – 220 to 240 Power Source Eclectic 15kg	1 SET
14	Determine The Planck Const Using LEDS	By a Photo Cell	1 SET

ZOOLOGY LAB EQUIPMENTS

DEPARTMENT OF ZOOLOGY, ANCHALIKA MAHAVIDYALAYA, SWAMPATNA, KEONJHAR.

Sl.No	Name of the INSTRUMENTS	SPECIFICATION	NO
1.	Compound microscope	NSI Student microscope	1
2.	Binocular compound Microscope	MSI Lab Binocular microscope	1
3.	Aneroid sphygmomanometer	Dr Trust USA or Russ max GB 102	1
4.	Digital sphygmomanometer	OmeronHeM T124	1
5.	Gel electrophoresis system	EPS Submarini EPS/SGE/0001 if Aarson Horizontal Gel electrophoresis	1
6.	Turbidity Meter (digital)	SSU Digital SSU- 334	1
7.	PH Meter (digital)	Hitech Lab India dimension 125 x 175 x 16	1

BOTANY LAB EQUIPMENTS

DEPARTMENT OF BOTANY, ANCHALIKA MAHAVIDYALAYA, SWAMPATNA, KEONJHAR.

SL. NO	NAME OF EQUIPMENTS	DESCRIPTION	No
1	Digital Microscope With LCD Screen And Built In Camera Microscope-03 Non	Trinocular Microscope, Plano Automatic Objective 4x,10x,40x,100x, Halogen Lamp 6v/20w, Image 1/3", Inbuilt Image Analysis Software ,All Function Controlled By Remote	01
2	UV –Spectrophotometer	200nm-1000nm, Two Position Sample Holder Operating Software, USB Support	1
3	Laminar Flow	Stainless Steel Table Top ,UV Light Built In ,4'	1
4	Distillation Apparatus	6lit, Stainless Steel	1
5	Bod Incubator	170 Lit ,Stainless Steel Inner	1
6	Gel Electrophoresis	Vertical & Submarine, Power Pack For Electrophoresis	1
7	Autoclave (Vertical)	Both Outer & Inner Stainless Steel, 22 Lit, Control 5 Psi To 20 Psi	1
8	Inoculation Chamber	40" X 24" X 24"	1
9	Hot Air Oven	300 X 300 X 300 Mm Working Space ,28 Lit ,Stainless Steel Memmert Type , Bimetallic Thermostat Till 253c ,Digital Temperature Controller , Air Circulating Fan , Digital Timer	1
10	Seed Germinator	555 X 910 X 605 Mm , Stainless Steel Interior , More Than 10 Trays	1
11	Refrigerator		1
12	Soil Thermometer	6" ,Metal Cone	1
13	Apha (Hazen) Colour Scale		1
14	Tristulus Colorimeter	Digital Imaging , Silicon Photodiodes	1
15	Laboratory Water Bath Automatic	6 Holes , 50hz, Upto 95 Degree C With 220 Volts	1
16	Infrared Optical Microscope		1

LIST OF CHEMISTRY LAB EQUIPMENTS

**LIST OF MINIMUM INSTRUMENT REQUIRED FOR UNDER TAKING PRACTICAL CLASSES OF
UG –CBCS IN CHEMISTRY (CORE AND DSC PRACTICAL)**

SL NO	NAME OF THE INSTRUMENT	DESCRIPTION	No
1	Ostwald's Viscometer	Size -120 x 1mm Length x Interval Diameter Over all height Material - Glass	01
2	Tensiometer (Surface Tension Measurements)	Measuring range :10 -800 HZ Input ranges : Standard Length up to 9.99mm Belt mass : up to 9.999kg/m Temperature Ranges : Operation : +10 c 50 c ,Transport : -5 c+50o c Air humidity : 85 ./. RH max Power Supply 9 V – Battery	01
3	Digital PH –Meter With Accessories	Resolution : 0.01 PH Accuracy : ± 0.2 PH Calibration manual , 2points Electrode HI (1270) Battery type 1.5 v (2) approximately 3000 hours of cont. uses Environment 0 to 50 c (32 io 122 f)RH Mm 95 ./. Dimensions 66x 50x 25 mm (2.6x 2.0 x1.01) Weight 50 g (1.8) without probe	01
4	Digital Conductivity Meter With Accessories	Measurement Range conductivity 0s200ms / am Spread into 5 ranges 0.0mm 2000mm 20.0mmto 200mm Resistivity 0-100 m TDS: 0 to 100 ppt (GIL) Salinity : 0 to 100ppt Temp : -~110c Precision Conductivity ± 1 ./ . FS ATC 0-50c Display Back Lite LCD Power 9v /500 Ma External adaptor or Battery Back up Unit Operating Tamp 15-45c Meter dimensions mm 165 (l) x 19 (D) x 60(H) Meter Weight 700g Electrode Conductivity Electrode ECN GOI Temp Sensor Electrode ETSoi	01
5	Potenttiometer With	Rotary type shaft potentiometer	01

	Accessories	15 mm shaft length Total Resistance 10k ohm	
6	Colorimeter	Output Optical Density 0 to 1.99 Display Type LED No of Digit 2.5 Size / Dimension 225 x 230 x 150 mm Weight 4 Kg	01
7	Colorimeter With Accessories (Precision Thermometer)	Single Beam UV / VIS Spectro Photometer Display 128 x 64 Dost LCD Power Requirements AC 220 v / 50hz Wavelength ravanse 195- 1000 nm Band with 1 nm	01
8	Visible Spectrophotometer (Single Beam)	Light Source – Halogen lamp, Deuterium lamp Wavelength range – 190 to 1600nm Wavelength accuracy – 0.3 nm (at 656.1nm) \pm 1.0nm (at 1312.2nm) Wavelength repeatability \pm 0.05nm (UV-VIS)	01
9	Magnetic Stirrer (With / Without Hot Plate)	<ul style="list-style-type: none"> • Speed Control Range (250-1250 Rpm) • Length of Magnets Stirring Recumbent (10-50mm) <ul style="list-style-type: none"> • Maximum Stirring Liquid viscosity (up to 1170 mpa.s) • Fault indication output sound Signal • Over all dimension (W X D X H =190x270x100mm) 	01
10	Heating Mantle	<ul style="list-style-type: none"> • Heating Mantle Material – Glass • Mantle Capacity - To hold standard Round Bottom Flask upto 50 liters • Temperature range – Approx 400c • Heating Control – Electronic power Regulator 	01
11	Melting Point Apparatus	<ul style="list-style-type: none"> • Temperature range – Ambient to 275c • Display – 4 Digits • Resolution – 1c • Temperature Sensor – Grade A 'P' PT-100 (Platinum Sensor) • Sample capacity – 3+1 Provision for Samples (one 6mm) Test tube For the Determination of melting point 	01
12	Vacuum Pump For Filtration	<ul style="list-style-type: none"> • Model –V 300 A • Flow rate of Pump (l/min)-171/min • Ultimate vacuum mbar- 150 mbar • Filtration Glass Set –VF6 • Suction Bottle Capacity (ml) -1000ml 	01
13	Single Distillation Unit (All Glass) 2lit/Hr Capacity	<ul style="list-style-type: none"> • Cat. No -3361-1.5L 3361-4.0 L • Dist Water Out Put - 1.5 Lit 4lit • Electrical Requirements -230 - 250 230 - 250 	01

		<ul style="list-style-type: none"> • Volts Single Volts Single • Phase 1.5 Kw Phase 3.5 Kw • Quarter Heater Quarter Heater • Minimum Cooling Water Requirements -1Lit -2lit /min • Biological Activity - 	
14	Single Pan Digital Balance With Precision 0.1 Gm And 0.001 Gm	<ul style="list-style-type: none"> • Accuracy – 0. 0001 Gram • Pan Size - 1 000 mm • Voltage - 210 V • Power Source - Battery 	01
15	Water Bath (Electrical)	<ul style="list-style-type: none"> • Capacity - 2-4 Racks. • Temp. Range – 5 deg C to 80 deg C • Accuracy - ± 2deg C • Voltage – 220 VOH ,50 HZ • Rating Watts – 250 -500 • Inner Size – (W X D X H) = 11 x 7 x 6 	01
16	Fume Hood	<ul style="list-style-type: none"> • Exhaust System - Motor Blower Assembly Covered With G.I. Sheet • Door / Sash - Door vertical Folding Type • Air velocity - 70.5 m/s • Noise level - DBA 	01
17	Kipp's apparatus(Pp)	<ul style="list-style-type: none"> • Material - Glass • Capacity – 250 -500ml • Packaging type - Box 	01
18	Aspirator For Chromatographic Developer	Nominal Capacity -10,Dn-40,D-215-Dn-25,L-410,L1-100	01
19	Air Oven (Up To 300 ^o C)	<ul style="list-style-type: none"> • Digital Laboratory Hot Air Oven. –Glass ware (Petri dishes , Flastspipehe, Testable) • Powders Starch ,Zing, 	01
20	Microwave Oven (Kitchen Quality)	<ul style="list-style-type: none"> • Material Contain Oils • Metal Equipments 	01
21	Small Lab Accessories Like Glassware ,Plastic Wares, Laboratory Wires And Other Small Accessories As Per Requirement	1000ml measuring flask (Borosil) 1000ml measuring cylinder (Borosil) 100ml measuring flask (Borosil) 500ml measuring flask (Borosil)	05

ANNEXURE - II**DETAILS OF THE TENDERER**

Sl No	Particular	
1	Name of the Firm/Agency/Company	
2	Registered office Address & Complete postal address	
3	Telephone Number &E-Mail Id	
4	Name of Authorized Signatory (in block letters)	
5	Contact No. of authorized signatory	
6	Type of /Firm (Proprietary/ Partnership/ Pvt. Ltd./Public Ltd)	Tenderer has to provide relevant documents (with the technical bid) as a proof of firm type.
7	Date of Establishment and Experience in business (number of years)	Work order to be attached for complying point no 4 of eligibility criteria
8	G.S.T. Registration No.	
9	PAN No.	
10	Details of Earnest Money Deposit i.e Draft no, date and bank name.	
11	Yearly turnover of the organization during last 3 years (year wise) and furnish audited balance sheet and Profit and Loss A/c for the last 3 years 2017-18, 2018-19,2019-20	
12	Furnish the names of 3 responsible persons along with their designation, address, Telephone Number etc. For whose organization, you have completed /work in progress as mentioned in Annexure V and who will be in a position to certify about the performance of your organization.	

Place:

Signature & Seal of the Bidder

ANNEXURE – III

PRICE SCHEDULE

To,

The Principal,
Anchalika Degree Mahavidyalaya,
Swampatna, Keonjhar.
At/Po: Swampatna, PS-Patna
Dist: Keonjhar, Odisha-758030

Ref: Bid no. ----- Dated -----

Sir,

I/We ----- hereby offer to supply the following items at the prices and within the period indicated below:

Sl No.	Name	Manufacturer and Models	Qty.	Unit Price	Total Price
1					
2					
3					
Total					

It is herewith certified that we have understood the general Terms and Conditions of the bid and our offer is to supply items strictly in accordance with the requirements and the terms mentioned in the bid.

Note

No change in the proforma is permissible.

Date:

Place:

(Signature and seal of the bidder)

ANNEXURE – IV

SELF DECLARATION FOR NOT BEING BLACK LISTED

To,

The Principal,
Anchalika Degree Mahavidyalaya, Swampatna, Keonjhar .
At/Po: Swampatna, PS-Patna
Dist-Keonjhar, Odisha-758030.

Ref: Tender no. Dated:

Madam/Sir,

I / We hereby confirm that our firm has not been
banned or blacklisted by any Government organization/Financial institution/Court
/Public sector Unit /Central Government.

Date:

Place:

Signature & Seal of the Bidder