

**TAMRALIPTA MAHAVIDYALAYA**  
**DEPARTMENT OF CHEMISTRY**

Sealed quotations are invited by 11.09.2019 from the eligible suppliers / distributors for the purchase of scientific instruments & chemicals for UGC minor project No. F. PSW- 232/15-16(ERO), sanctioned in favour of Dr. Dipankar Mishra, Asst. Professor of Tamralipta Mahavidyalaya as per the detailed given below:

**List of scientific instruments / computer**

SL. NO.	ITEMS	SPECIFICATION	QUANTITY	Within unit price.
1	<b>MICROPROCESS OR UV-VIS DOUBLE BEAM SPECTROPHOTO METER (TWO CELL HOLDER) WITH FREE SOFTWARE SUITABLE PC WITH WINDOWS 10 COMPATIBLE WITH UV-VIS</b>	<ul style="list-style-type: none"> <li>• Wavelength- 200-1100 nm</li> <li>• Microcontroller based stand alone unit</li> <li>• Resolution- 0.1 nm</li> <li>• Monochromator - Czerny Turner</li> <li>• Inbuilt RS 232 and printer port for DM printer</li> <li>• Measurement-%T, Abs, Conc by K factor, Scan, Time scan</li> <li>• Expansion of spectra- 1<sup>st</sup>,2<sup>nd</sup>,3<sup>rd</sup>,4<sup>th</sup> Derivatives.</li> <li>• Display- 4 line backlit alphanumeric LCD</li> <li>• Bandwidth- 1 nm</li> <li>• Stray light- 0.1%</li> <li>• Detector- Si photodiode</li> <li>• Sample holder- 5 nos</li> <li>• Body-Aluminum chassis, not plastic or fiber</li> <li>• Porting software</li> <li>• UV and VIS lamp separate control switch</li> <li>• Cuvette- 1 pair quartz</li> <li>• Instrument must have at least 50 installations in and around Kolkata.</li> </ul>	1pc	2,15,000.00
2	Laboratory Hot Air Oven	<ul style="list-style-type: none"> <li>• 30 Liter</li> </ul>	1 Pc	15000
3	Remi Magnetic Stirrer with Hotplate,2 MLH,	<ul style="list-style-type: none"> <li>• Stirring Capacity: 2 L</li> <li>• Heating Capacity: 300 W</li> </ul>	1 pc	12000
4	Tarson 30050 Accupipet Variable Volume Pipette Capacity Model No : 30050	<ul style="list-style-type: none"> <li>• Type : Accupipet - Variable Volume Pipette</li> <li>• Volume Range :100-1000 µL</li> <li>• Material :Plastic</li> </ul>	1pc	7,000.00
5	Heating Mantle	<ul style="list-style-type: none"> <li>• Capacity : 500ml</li> </ul>	1Pc	2000.00

<b>6</b>	<b>Vaccum Pump Oil free</b>	Pumping Speed:6.0CMH(100L/Min) Capacity: Up to 50 litres	<b>1 pc</b>	<b>6000.00</b>
<b>7.</b>	<b>Refregerator (Whirlpool) 220lt.</b>	IceMagic Pro 245 L, 3 Star Direct Cool Refrigerator, without Pedestal MODEL: 260 IMPRO PRM 3S ALPHA STEEL <b>Or</b> Vitamagic 215 L, 3 Star Direct Cool Refrigerator without Pedestal MODEL: 230 VITAMAGIC PRO PRM 3S ALPHA STEEL	<b>1pc</b>	<b>20000.00</b>
<b>8.</b>	<b>Laptop</b>	HP 15-DAO326TU,i3 7 <sup>th</sup> GEN , 4GB RAM, 1TB HD, Windows 10, 15.6 LED Monitor	<b>1pc</b>	<b>32000/-</b>
<b>9</b>	<b>Printer</b>	HP LASER 1020plus	<b>1pc</b>	<b>10500/-</b>

**List of chemicals**

SL No.	Name of Chemicals	Cas number	Amount & Quantity	Expected price
1.	2-(Dimethylamino)ethylamine	108-00-9	25g x 1	
2.	KSeCN	3425-46-5	10gx 1	
3.	Ca(SCN) <sub>2</sub> .4H <sub>2</sub> O	65114-14-9	100gx 1	
4.	5-Bromo-o-vanillin	5034-74-2	25gx 1	
5.	5-NO <sub>2</sub> -o-vanillin	17028-61-4	5gx 1	
6.	5-Br-Salicylaldehyde	1761-61-1	25g x 1	
7.	5-Cl-Salicylaldehyde	635-93-8	5g x 1	
8.	2-Picolinic acid	98-98-6	100g x 1	
9.	8-aminoquinoline	578-66-5	5g x 1	
10.	2-(Diethylamino)ethylamine	100-36-7	5g x 1	
11.	N,N-dimethyl-1,3diaminopropane	109-55-7	25 mL	
12.	N,N-diethyl-1,3diaminopropane	104-78-9	25 mL x 1	
13.	<i>N,N</i> -Dimethylneopentanediamine	53369-71-4	25g x 1	
14.	DCM(Dichloromethan)	-	500 mL x 2	
15.	Methanol (AR)	-	2.5 mL x 5	
16.	4-tert-Butyl-2,6-diformylphenol	84501-28-0	1 gm x 1	
17.	DMF(Dimethylformamide)	-	500 mL x 1	
18.	DMSO (Dimethylsulphoxide)	-	500 mL x 1	
19.	ACN(Acetonitrile)	-	500 mL x 2	

Quotations are to be submitted to the office of the Principal within 11.09.2019. In addition quotations may be submitted by e-mail in the email id of Principal Investigator ( [dmishra.ic@gmail.com](mailto:dmishra.ic@gmail.com)) for quick action.

Dr. Dipankar Mishra  
Principal Investigator

Principal  
Tamralipta Mahavidyalaya