



Raja Peary Mohan College

NAAC accredited with B grade (2.7); ISO 9001:2015

Uttarpada, Hooghly, West Bengal Pin- 712 258

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Dated: December 14, 2019

Notice Inviting Tender No. : RPMC/Tender/ ⁷⁵ ~~74~~ /2019-20

Sealed tender invited on behalf of the Raja Peary Mohan College from the Original Equipment Manufacturer or their authorized dealers for the **Supply & Installation of Lab Equipments** in two-bid format for the laboratory of the institute as per the specifications in **Annexure-I** in two bid system. The tender document can be downloaded from the Institute website at URL Link: <http://www.rpmcollege.org>.

1. Schedule

Date of Issue/Publishing	December 14, 2019
Last Date and Time for submission of Bids	December 23, 2019 03:00 PM
Date and Time of Opening of Technical Bids	December 23, 2019, 04:00 PM
No. of Covers	01
Cover heading	The cover containing the quotation should be subscribed as Bid for Supply & Installation of Lab Equipments .
Bid Validity days	90 days (From last date of opening of tender)
Address for Communication	Principal, Raja Peary Mohan College

2. Two Bid System :

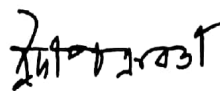
- Technical bid consisting of all technical details alongwith commercial terms and conditions; and
- Financial bid indicating item-wise price for the items mentioned in the technical bid.

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- iii. Technical bid and financial bid should be sealed in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed as **"Technical Bid for the supply of installation of Lab Equipments" due on December 23, 2019, 03:00 PM.** Technical bids shall be opened at the first instance and evaluated by technical committee. At the second stage financial bids of the only technically qualified bidders shall be opened for financial evaluation and ranking before awarding the contract. Mixing price bid with technical bid will disqualify your bid for further evaluation.

3. Submission of tender:

Offers addressed to the 'Principal, Raja Peary Mohan College' and valid for 90 days (From last date of opening of tender) should reach the office on or before the last date and time. Tenders received late shall not be considered.



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Tender specifications for -86°C Deep Freezer

1. Capacity 400 L to 420 L
2. Must be capable to hold ≥ 24000 nos of 2ml vials
3. **Power consumption of the freezer (with shelves) at set point -80 °C, 21 – 23 °C ambient conditions, should be < 11 kW/day**
4. Should have space saving foot print (WxD): 80 x 86 cm
5. **Pull down time of empty freezer (with shelves) from 22°C to -85 °C should be <4.2 hrs.**
6. Should have at least 5 compartments with 4 adjustable height shelves
7. Each compartment must have individual inner door.
8. **Heat output should be less than 450W**
9. Lowest temperature must go upto -86°C
10. Should maintain -86°C even at 32°C room temperature,
11. Micro Processor control of temperature and alarms with non-volatile memory,
12. Key pad programming only (not touch screen)
13. Automatic reset to prevent microprocessor controller from failure caused by power spikes.
14. Display should be in the eye level.
15. Must have hermetically-sealed two stage cascade system (Compressor 2 x ¾ HP)
16. Noise level must be <59dB
17. Insulation by 5" thick polyurethane foam only
18. Temperature should be placed at the middle of the freezer
19. Should have inbuilt diagnostic software for service issues
20. 4-digit password to prevent unauthorized use,
21. Should have battery backup to activate alarms and display temperature during power outage.
22. Should have audible and visible alarms for temperature, filter clean, power out, low Battery, system fail, fault analysis,
23. **Should have option from the same manufacturer to provide polypropylene autoclavable cryoboxes with high-contrast permanent alphanumeric marking of each location through laser labeling and transparent lid with writing areas on it.**
24. **Compressor lubricants should be biodegradable and commercially-available and should prevent oil-logging**
25. Must have heated air vent with manual plunger to prevent vacuum formation,
26. Must have auto restart function after power failure,
27. Should meet WEEE directives for disposal
28. Certification : CE and CSA certified,
29. Should have > 50 nos of installations in and around Kolkata
30. Service from direct manufacturer with their service centre in Kolkata is preferable


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